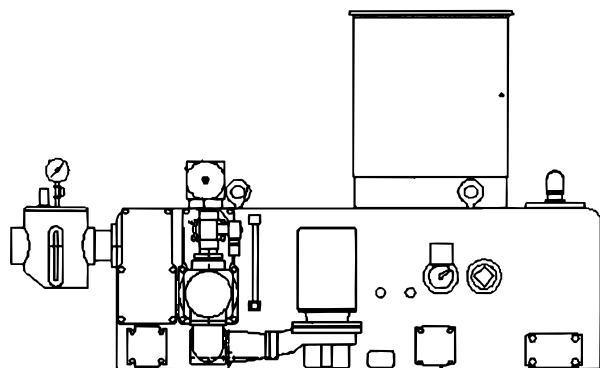


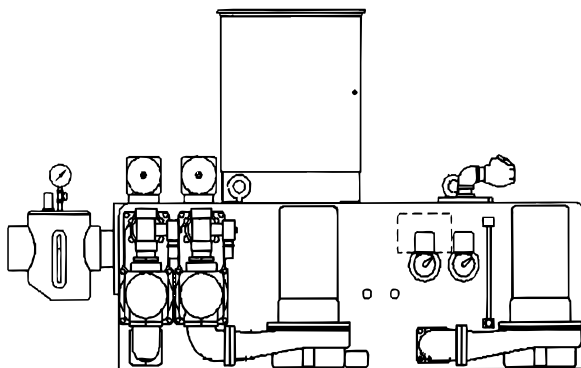
# DOMESTIC/HOFFMAN PUMP

## PARTS LIST

DHP-320-PL  
(REVISION 3)



SIMPLEX UNIT



DUPLEX UNIT

## Replacement Parts for Series VL and HV Vacuum Heating Units Single or Duplex 25,000 thru 65,000 sq. ft. EDR effective June 1, 2000 to present

### IMPORTANT

WHEN ORDERING REPLACEMENT PARTS OR MOTORS PLEASE FURNISH ALL NAMEPLATE DATA



#### SAFETY INSTRUCTION



#### CAUTION / DO NOT RUN DRY SEAL DAMAGE MAY OCCUR

Inspect pump seal regularly for leaks. Replace as required.

Failure to follow these instructions could result in injury or property damage.



#### CAUTION / DO NOT REVERSE

Reverse operation can cause extensive damage to pumps. Jog the motor to test for direction of rotation.

Failure to follow these instructions could result in injury or property damage.

- Pump models are noted on each unit nameplate and should be confirmed when using this Parts List. (Design changes may have affected pump selections.)
- For detailed pump parts information refer to current Series Centriflo / C17 & C35 Parts List.
- For units furnished with Consolitrol® Control Panel, consult the factory for detailed electrical information. Be sure to furnish all nameplate data. For detailed panel parts information, see current Control Panel Parts List.

Domestic Pump



ITT Industries  
*Engineered for life*

# SERIES VL AND HV

## INDEX

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### Pump Identification tables

(provides Pump Size, HP, and Impeller diameter)

|                                                              |         |
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| Replacement vacuum heating pumps for Special Capacity Units  | page 30 |

### Drawings

|                                             |         |
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| Detailed drawing of Simplex Units           | page 31 |
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| Cut away side view of vacuum producing area | page 33 |

## HOW TO USE THIS PARTS LIST

The unit nameplate identifies the unit by Model Number and Serial Number. Pump combinations are noted in the section of the nameplate labeled "Pump" and the number designation refers to either a Series C-35™ or Series C-17™ Centriflo® Condensate Pump. All pump designation numbers 609 through 627 refer to pumps operating at 3500 RPM. All pump designation numbers 650 through 673 refer to pumps operating at 1750 RPM.

All model numbers identify the following information:

- Square Feet of EDR that the unit is rated for.
- Standard Capacity or Special Capacity
- Simplex or Duplex
- Unit rated discharge pressure
- Pump operating RPM

For example refer to the following model number.

**25   VL   S   2 - 20 - 35**  
**a.      b.    c.    d.    e.    f.**

**a.** Denotes the Square Feet of EDR that the unit is rated for (in thousands). In this example the 25 denotes applications for ratings of 25,000 Sq. Ft. EDR.

**b.** Denotes the Series. VL units or HV units

**c.** Denotes Standard Capacity or Special Capacity. If the "S" is present the unit is a Special Capacity Unit. If no "S" is noted then the unit is a Standard Capacity Unit.

**d.** Denotes Simplex (i.e. 1 pump) or Duplex (i.e. 2 pumps)

**e.** Denotes the Discharge pressure the unit is rated for.

**f.** Denotes the motor(s) RPM's. 35 denotes 3500 RPM and 17 denotes 1750 RPM.

## HOW TO USE THIS PARTS LIST (continued)

The following procedure is recommended for determining appropriate replacement parts.

1. By referring to the unit nameplate for the model number, use the index shown on page 2 to determine which parts selection page is appropriate to your unit.
2. Refer to the drawings shown on pages 31,32 & 33 to select items required. Pump parts are detailed in current Series Centriflo / C17 & C35 parts list.
3. Refer to the appropriate parts selection page to identify items by part number.

Replacement vacuum heating pump and motors should be ordered through your authorized ITT Domestic Pump representative to insure proper sizing. When requesting replacement pump and motors, please provide complete unit nameplate information and serial number to insure proper selections.

### **Recommended spare parts:**

The following parts are considered to be recommended spare parts for all sizes of VL(S) / HV(S) units.

Gasket kit 180019 to facilitate unit inspection (1 for Simplex and 2 for Duplex units).

Multi-jet nozzle (see item 36 from appropriate pages).

Float Switch Seal Kit 180095 (1 required per float switch)

## 25 VL / 25 HV SIMPLEX

### STANDARD CAPACITY - 3500 RPM

| Item #        | Description                           | Part number |          |          | Qty |
|---------------|---------------------------------------|-------------|----------|----------|-----|
|               |                                       | 20 PSI      | 30PSI    | 40PSI    |     |
| 1             | RECEIVER ,                            | DR0274      | DR0274   | DR0274   | 1   |
| 3             | 3" INLET BASKET STRAINER ASSEM.       | DA0182      | DA0182   | DA0182   | 1   |
| 3a            | STRAINER SCREEN ONLY                  | DA0018      | DA0018   | DA0018   | 1   |
| 3b            | STRAINER COVER GASKET                 | DG0160      | DG0160   | DG0160   | 1   |
| 3c            | NIPPLE STD 3NPTX4LG                   | DL0153      | DL0153   | DL0153   | 1   |
| 5             | COMPOUND GAUGE                        | DA0114      | DA0114   | DA0114   | 1   |
| 5a            | GAGE COCK 1/4FPT                      | DV0325      | DV0325   | DV0325   | 1   |
| 6             | VACUUM BREAKER 3/4IN #26              | DA0061      | DA0061   | DA0061   | 1   |
| 7             | ANGLE THERMOMETER                     | DA0104      | DA0104   | DA0104   | 1   |
| 8a            | VALVE SET 5/8 WATER                   | DV0342      | DV0342   | DV0342   | 1   |
| 8b            | GAUGE GLASS 5/8X9                     | DV0347      | DV0347   | DV0347   | 1   |
| 8c            | GUARD ROD 3/16DIA X 11                | DV0367      | DV0367   | DV0367   | 2   |
| 10            | VACUUM SWITCH (SIMPLEX)               | DE0988      | DE0988   | DE0988   | 1   |
| 12            | FLOAT SWITCH ASSEMBLY                 | DA0393      | DA0393   | DA0393   | 1   |
| 12a           | FLOAT BALL ONLY                       | DA0165      | DA0165   | DA0165   | 1   |
| 12b           | FLOAT SWITCH SEAL KIT                 | 180095      | 180095   | 180095   | 1   |
| 13            | COPPER TUBING                         | X42104      | X42104   | X42104   | 4   |
| 17            | SWING CHECK VALVE                     | DV1084      | DV1084   | DV1084   | 1   |
| 19            | LIFTING EYE                           | DJ0321      | DJ0321   | DJ0321   | 2   |
| 21            | COVER PLATE DISCH MAN                 | DA0150      | DA0150   | DA0150   | 1   |
| 21a           | GASKET, DRAIN COVER FLAN              | DG0127      | DG0127   | DG0127   | 1   |
| 22            | ELBOW 90 STREET1-1/4NPT               | DF0167      | DF0167   | DF0167   | 1   |
| 23            | FLANGE BLIND                          | DF0210      | DF0210   | DF0210   | 3   |
| 23a           | FLANGE GASKET                         | DG0060      | DG0060   | DG0060   | 4   |
| 24            | PLATE AIR VENT ,                      | DL0600      | DL0600   | DL0600   | 1   |
| 24a           | GASKET, HOUSING                       | DG0135      | DG0135   | DG0135   | 1   |
| 25            | DISCHARGE MANIFOLD BODY               | DL1471      | DL1471   | DL1471   | 1   |
| 25a           | GASKET, NOZ BODY DISCH M              | DG0151      | DG0151   | DG0151   | 1   |
| 26            | NOZZLE BODY COVER PLATE               | DL1480      | DL1480   | DL1480   | 1   |
| 27            | COVER PLATE MANIFOLD ,                | DL1738      | DL1738   | DL1738   | 2   |
| 29            | BUSHING                               | DF0040      | DF0040   | DF0040   | 1   |
| 30            | NIPPLE                                | DL0113      | DL0113   | DL0113   | 1   |
| 31            | DIS. SOLENOID VALVE (115v)            | DE1859      | DE1859   | DE1859   | 1   |
|               | --OR--                                |             |          |          |     |
| 31            | DIS. SOLENOID VALVE (208v / 230v)     | DE1860      | DE1860   | DE1860   | 1   |
| 32            | DIN CONNECTOR                         | DE1645      | DE1645   | DE1645   | 1   |
| 33            | CHECK VALVE ASM3 IN ,                 | DV0083      | DV0083   | DV0083   | 1   |
| 33a           | CHECK VALVE FACING ONLY               | DV0072      | DV0072   | DV0072   | 1   |
| 34            | INSERT MANIFOLD LG ,                  | DL1702      | DL1702   | DL1702   | 1   |
|               | GASKET, NOZZLE BODY 30-7              | DG0154      | DG0154   | DG0154   | 2   |
| 35            | NOZZLE BODY                           | DL1437      | DL1436   | DL1436   | 1   |
| 36            | NOZZLE                                | DL1342      | DL1362   | DL1365   | 1   |
| 37            | VENTURI                               | DL1194      | DL1115   | DL1114   | 1   |
| 38            | MANIFOLD EL 90 RED. 3X2I              | DL1710      | DL1710   | DL1710   | 1   |
| 38a           | GASKET, MANIFOLD ELBOW                | DG0141      | DG0141   | DG0141   | 1   |
| 39            | MANIFOLD EL 90 STR 3IN                | DL1706      | DL1706   | DL1706   | 1   |
| 27a & 39a & b | GASKET, MANIFOLD FLANGE               | DG0142      | DG0142   | DG0142   | 4   |
| 40            | NOZZLE RETAINING RING (or Ret. Screw) | DL1486      | (P03840) | (P03840) | 1   |

## FASTENER INFORMATION

| Where used    | Description                     | Part number | Part number | Part number | Qty / unit |
|---------------|---------------------------------|-------------|-------------|-------------|------------|
|               | CONN MALE STR 1/4OD X 1,        | DF0506      | DF0506      | DF0506      | 1          |
|               | CONN MALE STR 1/4OD X 1,        | DF0510      | DF0510      | DF0510      | 1          |
|               | ELBOW 90 MALE 1/4OD X 1,        | DF0511      | DF0511      | DF0511      | 1          |
| 10            | CAPSCREW HEX HD1/4-20UNC        | DJ0023      | DJ0023      | DJ0023      | 2          |
| 37            | CAPSCREW HEX HD5/16-18NC        | DJ0031      | DJ0031      | DJ0031      | 2          |
| 26            | CAPSCREW HEX HD3/8-16UNC        | DJ0063      | DJ0063      | DJ0063      | 4          |
| 25            | CAPSCREW HEX HD3/8-16UNC        | DJ0066      | DJ0066      | DJ0066      | 12         |
| 33            | NUT HEX STD 5/16-18UN           | DJ0226      | DJ0226      | DJ0226      | 4          |
| 37            | WASHER HOLDING 11/32IDX1        | DJ0277      | DJ0277      | DJ0277      | 2          |
| 35            | STUD BOLT 3/8-16UNX1-7/1        | DJ0471      | DJ0471      | DJ0471      | 20         |
| 24            | STUD BOLT 3/8-16UNX1-13/        | DJ0472      | DJ0472      | DJ0472      | 4          |
| Pump Mounting | STUD PUMP CASE 1/2-13NCX,       | DJ0478      | DJ0478      | DJ0478      | 16         |
| obs           | NIPPLE STD 1/4NPTX1-            | DL0021      | DL0021      | DL0021      | 1          |
| 5             | NIPPLE STD 1/4NPTX1-1/2         | DL0022      | DL0022      | DL0022      | 1          |
| obs           | NIPPLE STD 1-1/4NPTX,           | DL0097      | DL0097      | DL0097      | 1          |
| 33            | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032      | DV0032      | DV0032      | 4          |
| 1             | PLUG EQUALIZINGA711-8235,       | DV1149      | DV1149      | DV1149      | 1          |
| 28            | PLUG SQ HD 2-1/2NPT ,           | F12200      | F12200      | F12200      | 1          |
| 1             | PLUG SQ HD 1/2NPT ,             | H47900      | H47900      | H47900      | 1          |
| 1             | PLUG HEX HD 1/8NPT ,            | P39020      | P39020      | P39020      | 1          |
| 1             | PLUG HEX HD 1/4NPT ,            | P39040      | P39040      | P39040      | 5          |
| 24,38,38,39   | NUT HX STD 3/8-16UNC,           | P52380      | P52380      | P52380      | 24         |
|               | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800      | S41800      | S41800      | 1          |
| 1             | PLUG SQ HD 1NPT ,               | U19200      | U19200      | U19200      | 2          |
| Pump Mounting | NUT HEX LGT 1/2-13UNC,          | F11400      | F11400      | F11400      | 16         |
| 38 & 39       | CAPSCREW HEX HD5/16-18UN        | DJ0034      | DJ0034      | DJ0034      | 4          |
| 38 & 39       | CAPSCREW,HEX HD 3/8-16NC        | H52100      | H52100      | H52100      | 4          |
| 38 & 39       | NUT HX STD 3/8-16UNC            | P52380      | P52380      | P52380      | 4          |

Complete gasket kit - part number 180019

## 25 VL / 25 HV DUPLEX STANDARD CAPACITY - 3500 RPM

| Item #   | Description                           | Part number |          |          | Qty |
|----------|---------------------------------------|-------------|----------|----------|-----|
|          |                                       | 20 PSI      | 30PSI    | 40PSI    |     |
| 1        | RECEIVER ,                            | DR0274      | DR0274   | DR0274   | 1   |
| 4        | 3" INLET BASKET STRAINER ASSEM.       | DA0182      | DA0182   | DA0182   | 1   |
| 4a       | STRAINER SCREEN ONLY                  | DA0018      | DA0018   | DA0018   | 1   |
| 4b       | STRAINER COVER GASKET                 | DG0160      | DG0160   | DG0160   | 1   |
| 4c       | NIPPLE STD 3NPTX4LG                   | DL0153      | DL0153   | DL0153   | 1   |
| 6        | COMPOUND GAUGE                        | DA0114      | DA0114   | DA0114   | 1   |
| 6a       | GAGE COCK 1/4FPT                      | DV0325      | DV0325   | DV0325   | 1   |
| 7        | VACUUM BREAKER 3/4IN #26              | DA0061      | DA0061   | DA0061   | 1   |
| 8        | ANGLE THERMOMETER                     | DA0104      | DA0104   | DA0104   | 1   |
| 9a       | VALVE SET 5/8 WATER                   | DV0342      | DV0342   | DV0342   | 1   |
| 9b       | GAUGE GLASS 5/8X9                     | DV0347      | DV0347   | DV0347   | 1   |
| 9c       | GUARD ROD 3/16DIA X 11                | DV0367      | DV0367   | DV0367   | 2   |
| 11 & 12  | VACUUM SWITCH (DUPLEX)                | DE0987      | DE0987   | DE0987   | 2   |
| 14       | FLOAT SWITCH ASSEMBLY                 | DA0393      | DA0393   | DA0393   | 2   |
| 14a      | FLOAT BALL ONLY                       | DA0165      | DA0165   | DA0165   | 2   |
| 14b      | FLOAT SWITCH SEAL KIT                 | 180095      | 180095   | 180095   | 2   |
| 16       | COPPER TUBING                         | X42104      | X42104   | X42104   | 8   |
| 17 & 19  | DIS. SOLENOID VALVE (115v)            | DE1859      | DE1859   | DE1859   | 2   |
|          | --OR--                                |             |          |          |     |
| 17 & 19  | DIS. SOLENOID VALVE (208v / 230v)     | DE1860      | DE1860   | DE1860   | 2   |
| 22       | SWING CHECK VALVE                     | DV1084      | DV1084   | DV1084   | 1   |
| 24       | LIFTING EYE                           | DJ0321      | DJ0321   | DJ0321   | 2   |
| 26       | COVER PLATE DISCH MAN                 | DA0150      | DA0150   | DA0150   | 2   |
| 26a      | GASKET, DRAIN COVER FLAN              | DG0127      | DG0127   | DG0127   | 2   |
| 27       | ELBOW 90 STREET1-1/4NPT               | DF0167      | DF0167   | DF0167   | 1   |
| 28       | FLANGE BLIND                          | DF0210      | DF0210   | DF0210   | 2   |
| 28a      | FLANGE GASKET                         | DG0060      | DG0060   | DG0060   | 4   |
| 29       | BUSHING                               | DF0040      | DF0040   | DF0040   | 2   |
| 30       | NIPPLE                                | DL0113      | DL0113   | DL0113   | 2   |
| 32       | DIN CONNECTOR                         | DE1645      | DE1645   | DE1645   | 2   |
| 33       | CHECK VALVE ASM3 IN ,                 | DV0083      | DV0083   | DV0083   | 2   |
| 33a      | CHECK VALVE FACING ONLY               | DV0072      | DV0072   | DV0072   | 2   |
| 34       | INSERT MANIFOLD LG ,                  | DL1702      | DL1702   | DL1702   | 2   |
| 35a      | GASKET, NOZZLE BODY 30-7              | DG0154      | DG0154   | DG0154   | 2   |
| 35       | NOZZLE BODY                           | DL1437      | DL1436   | DL1436   | 2   |
| 36       | NOZZLE                                | DL1342      | DL1362   | DL1365   | 2   |
| 37       | VENTURI                               | DL1194      | DL1115   | DL1114   | 2   |
| 38       | MANIFOLD EL 90 RED. 3X2I              | DL1710      | DL1710   | DL1710   | 1   |
| 38a      | GASKET, MANIFOLD ELBOW                | DG0141      | DG0141   | DG0141   | 2   |
| 39       | MANIFOLD EL 90 STR 3IN                | DL1706      | DL1706   | DL1706   | 1   |
| 27,39,41 | GASKET, MANIFOLD FLANGE               | DG0142      | DG0142   | DG0142   | 5   |
| 40       | NOZZLE RETAINING RING (or Ret. Screw) | DL1486      | (P03840) | (P03840) | 2   |
| 41       | MANIFOLD ELBOW                        | DL1712      | DL1712   | DL1712   | 1   |
| 42       | MANIFOLD ELBOW                        | DL1744      | DL1744   | DL1744   | 1   |
| 43       | PLATE AIR VENT ,                      | DL0600      | DL0600   | DL0600   | 1   |
| 43a      | GASKET, HOUSING                       | DG0135      | DG0135   | DG0135   | 1   |
| 44       | DISCHARGE MANIFOLD BODY               | DL1471      | DL1471   | DL1471   | 2   |
| 44a      | GASKET, NOZ BODY DISCH M              | DG0151      | DG0151   | DG0151   | 2   |

## FASTENER INFORMATION

| Where used    | Description                     | Part number | Part number | Part number | Qty / unit |
|---------------|---------------------------------|-------------|-------------|-------------|------------|
|               |                                 | 20 PSI      | 30 PSI      | 40 PSI      |            |
| 11 & 12       | CONN MALE STR 1/4OD X 1,        | DF0506      | DF0506      | DF0506      | 2          |
| 11 & 12       | TEE MALE RUN                    | DF0509      | DF0509      | DF0509      | 1          |
| obs           | ELBOW 90 MALE 1/4OD X 1,        | DF0511      | DF0511      | DF0511      | 2          |
| 11 & 12       | CAPSCREW HEX HD1/4-20UNC        | DJ0023      | DJ0023      | DJ0023      | 4          |
| 37            | CAPSCREW HEX HD5/16-18NC        | DJ0031      | DJ0031      | DJ0031      | 4          |
| 35            | CAPSCREW HEX HD3/8-16UNC        | DJ0063      | DJ0063      | DJ0063      | 8          |
| 44            | CAPSCREW HEX HD3/8-16UNC        | DJ0066      | DJ0066      | DJ0066      | 24         |
| 33            | NUT HEX STD 5/16-18UN           | DJ0226      | DJ0226      | DJ0226      | 8          |
| 37            | WASHER HOLDING 11/32IDX1        | DJ0277      | DJ0277      | DJ0277      | 4          |
| 35            | STUD BOLT 3/8-16UNX1-7/1        | DJ0471      | DJ0471      | DJ0471      | 20         |
| 43            | STUD BOLT 3/8-16UNX1-13/        | DJ0472      | DJ0472      | DJ0472      | 4          |
| Pump Mounting | STUD PUMP CASE 1/2-13NCX,       | DJ0478      | DJ0478      | DJ0478      | 16         |
| obs           | NIPPLE STD 1/4NPTX1-,           | DL0021      | DL0021      | DL0021      | 2          |
| 6             | NIPPLE STD 1/4NPTX1-1/2         | DL0022      | DL0022      | DL0022      | 1          |
| obs           | NIPPLE STD 1-1/4NPTX,           | DL0097      | DL0097      | DL0097      | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE1591      | DE1591      | DE1591      | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE1592      | DE1592      | DE1592      | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE0570      | DE0570      | DE0570      | 1          |
|               | LOCK NUT/ RIGID                 | P34460      | P34460      | P34460      | 12         |
|               | NIPPLE , STD                    | J89374      | J89374      | J89374      | 2          |
| 33            | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032      | DV0032      | DV0032      | 8          |
| 1             | PLUG EQUALIZINGA711-8235,       | DV1149      | DV1149      | DV1149      | 1          |
| 1             | PLUG SQ HD 1/2NPT ,             | H47900      | H47900      | H47900      | 1          |
| 1             | PLUG HEX HD 1/4NPT ,            | P39040      | P39040      | P39040      | 4          |
| 38,38,39,40   | NUT HX STD 3/8-16UNC,           | P52380      | P52380      | P52380      | 24         |
|               | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800      | S41800      | S41800      | 2          |
| 1             | PLUG SQ HD 1NPT ,               | U19200      | U19200      | U19200      | 2          |
| Pump Mounting | NUT HEX LGT 1/2-13UNC,          | F11400      | F11400      | F11400      | 16         |
| 38 & 39       | CAPSCREW HEX HD5/16-18UN        | DJ0034      | DJ0034      | DJ0034      | 8          |
| 38 & 39       | CAPSCREW,HEX HD 3/8-16NC        | H52100      | H52100      | H52100      | 4          |
| 38 & 39       | NUT HX STD 3/8-16UNC            | P52380      | P52380      | P52380      | 4          |

Complete gasket kit - part number 180019 (qty 2 required)

## 25 VLS / 25 HVS SIMPLEX SPECIAL CAPACITY -3500 RPM

| Item #        | Description                           | Part number |        |        | Qty |
|---------------|---------------------------------------|-------------|--------|--------|-----|
|               |                                       | 20 PSI      | 30PSI  | 40PSI  |     |
| 1             | RECEIVER ,                            | DR0274      | DR0274 | DR0274 | 1   |
| 3             | 3" INLET BASKET STRAINER ASSEM.       | DA0182      | DA0182 | DA0182 | 1   |
| 3a            | STRAINER SCREEN ONLY                  | DA0018      | DA0018 | DA0018 | 1   |
| 3b            | STRAINER COVER GASKET                 | DG0160      | DG0160 | DG0160 | 1   |
| 3c            | NIPPLE STD 3NPTX4LG                   | DL0153      | DL0153 | DL0153 | 1   |
| 5             | COMPOUND GAUGE                        | DA0114      | DA0114 | DA0114 | 1   |
| 5a            | GAGE COCK 1/4FPT                      | DV0325      | DV0325 | DV0325 | 1   |
| 6             | VACUUM BREAKER 3/4IN #26              | DA0061      | DA0061 | DA0061 | 1   |
| 7             | ANGLE THERMOMETER                     | DA0104      | DA0104 | DA0104 | 1   |
| 8a            | VALVE SET 5/8 WATER                   | DV0342      | DV0342 | DV0342 | 1   |
| 8b            | GAUGE GLASS 5/8X9                     | DV0347      | DV0347 | DV0347 | 1   |
| 8c            | GUARD ROD 3/16DIA X 11                | DV0367      | DV0367 | DV0367 | 2   |
| 10            | VACUUM SWITCH (SIMPLEX)               | DE0988      | DE0988 | DE0988 | 1   |
| 12            | FLOAT SWITCH ASSEMBLY                 | DA0393      | DA0393 | DA0393 | 1   |
| 12a           | FLOAT BALL ONLY                       | DA0165      | DA0165 | DA0165 | 1   |
| 12b           | FLOAT SWITCH SEAL KIT                 | 180095      | 180095 | 180095 | 1   |
| 13            | COPPER TUBING                         | X42104      | X42104 | X42104 | 4   |
| 17            | SWING CHECK VALVE                     | DV1084      | DV1084 | DV1084 | 1   |
| 19            | LIFTING EYE                           | DJ0321      | DJ0321 | DJ0321 | 2   |
| 21            | COVER PLATE DISCH MAN                 | DA0150      | DA0150 | DA0150 | 1   |
| 21a           | GASKET, DRAIN COVER FLAN              | DG0127      | DG0127 | DG0127 | 1   |
| 22            | ELBOW 90 STREET1-1/4NPT               | DF0167      | DF0167 | DF0167 | 1   |
| 23            | FLANGE BLIND                          | DF0210      | DF0210 | DF0210 | 3   |
| 23a           | FLANGE GASKET                         | DG0060      | DG0060 | DG0060 | 4   |
| 24            | PLATE AIR VENT ,                      | DL0600      | DL0600 | DL0600 | 1   |
| 24a           | GASKET, HOUSING                       | DG0135      | DG0135 | DG0135 | 1   |
| 25            | DISCHARGE MANIFOLD BODY               | DL1471      | DL1471 | DL1471 | 1   |
| 25a           | GASKET, NOZ BODY DISCH M              | DG0151      | DG0151 | DG0151 | 1   |
| 26            | NOZZLE BODY COVER PLATE               | DL1480      | DL1480 | DL1480 | 1   |
| 27            | COVER PLATE MANIFOLD ,                | DL1738      | DL1738 | DL1738 | 2   |
| 29            | BUSHING                               | DF0040      | DF0040 | DF0040 | 1   |
| 30            | NIPPLE                                | DL0113      | DL0113 | DL0113 | 1   |
| 31            | DIS. SOLENOID VALVE (115v)            | DE1859      | DE1859 | DE1859 | 1   |
|               | --OR--                                |             |        |        |     |
| 31            | DIS. SOLENOID VALVE (208v / 230v)     | DE1860      | DE1860 | DE1860 | 1   |
| 32            | DIN CONNECTOR                         | DE1645      | DE1645 | DE1645 | 1   |
| 33            | CHECK VALVE ASM3 IN ,                 | DV0083      | DV0083 | DV0083 | 1   |
| 33a           | CHECK VALVE FACING ONLY               | DV0072      | DV0072 | DV0072 | 1   |
| 34            | INSERT MANIFOLD LG ,                  | DL1702      | DL1702 | DL1702 | 1   |
|               | GASKET, NOZZLE BODY 30-7              | DG0154      | DG0154 | DG0154 | 2   |
| 35            | NOZZLE BODY                           | DL1437      | DL1437 | DL1437 | 1   |
| 36            | NOZZLE                                | DL1318      | DL1335 | DL1322 | 1   |
| 37            | VENTURI                               | DL1174      | DL1192 | DL1193 | 1   |
| 38            | MANIFOLD EL 90 RED. 3X2I              | DL1710      | DL1710 | DL1710 | 1   |
| 38a           | GASKET, MANIFOLD ELBOW                | DG0141      | DG0141 | DG0141 | 1   |
| 39            | MANIFOLD EL 90 STR 3IN                | DL1706      | DL1706 | DL1706 | 1   |
| 27a & 39a & b | GASKET, MANIFOLD FLANGE               | DG0142      | DG0142 | DG0142 | 4   |
| 40            | NOZZLE RETAINING RING (or Ret. Screw) | DL1486      | DL1486 | DL1486 | 1   |

## FASTENER INFORMATION

| Where used    | Description                     | Part number | Part number | Part number | Qty / unit |
|---------------|---------------------------------|-------------|-------------|-------------|------------|
|               | CONN MALE STR 1/4OD X 1,        | DF0506      | DF0506      | DF0506      | 1          |
|               | CONN MALE STR 1/4OD X 1,        | DF0510      | DF0510      | DF0510      | 1          |
|               | ELBOW 90 MALE 1/4OD X 1,        | DF0511      | DF0511      | DF0511      | 1          |
| 10            | CAPSCREW HEX HD1/4-20UNC        | DJ0023      | DJ0023      | DJ0023      | 2          |
| 37            | CAPSCREW HEX HD5/16-18NC        | DJ0031      | DJ0031      | DJ0031      | 2          |
| 26            | CAPSCREW HEX HD3/8-16UNC        | DJ0063      | DJ0063      | DJ0063      | 4          |
| 25            | CAPSCREW HEX HD3/8-16UNC        | DJ0066      | DJ0066      | DJ0066      | 12         |
| 33            | NUT HEX STD 5/16-18UN           | DJ0226      | DJ0226      | DJ0226      | 4          |
| 37            | WASHER HOLDING 11/32IDX1        | DJ0277      | DJ0277      | DJ0277      | 2          |
| 35            | STUD BOLT 3/8-16UNX1-7/1        | DJ0471      | DJ0471      | DJ0471      | 20         |
| 24            | STUD BOLT 3/8-16UNX1-13/        | DJ0472      | DJ0472      | DJ0472      | 4          |
| Pump Mounting | STUD PUMP CASE 1/2-13NCX,       | DJ0478      | DJ0478      | DJ0478      | 16         |
| obs           | NIPPLE STD 1/4NPTX1-            | DL0021      | DL0021      | DL0021      | 1          |
| 5             | NIPPLE STD 1/4NPTX1-1/2         | DL0022      | DL0022      | DL0022      | 1          |
| obs           | NIPPLE STD 1-1/4NPTX,           | DL0097      | DL0097      | DL0097      | 1          |
| 33            | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032      | DV0032      | DV0032      | 4          |
| 1             | PLUG EQUALIZINGA711-8235,       | DV1149      | DV1149      | DV1149      | 1          |
| 28            | PLUG SQ HD 2-1/2NPT ,           | F12200      | F12200      | F12200      | 1          |
| 1             | PLUG SQ HD 1/2NPT ,             | H47900      | H47900      | H47900      | 1          |
| 1             | PLUG HEX HD 1/8NPT ,            | P39020      | P39020      | P39020      | 1          |
| 1             | PLUG HEX HD 1/4NPT ,            | P39040      | P39040      | P39040      | 5          |
| 24,38,38,39   | NUT HX STD 3/8-16UNC,           | P52380      | P52380      | P52380      | 24         |
|               | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800      | S41800      | S41800      | 1          |
| 1             | PLUG SQ HD 1NPT ,               | U19200      | U19200      | U19200      | 2          |
| Pump Mounting | NUT HEX LGT 1/2-13UNC,          | F11400      | F11400      | F11400      | 16         |
| 38 & 39       | CAPSCREW HEX HD5/16-18UN        | DJ0034      | DJ0034      | DJ0034      | 4          |
| 38 & 39       | CAPSCREW,HEX HD 3/8-16NC        | H52100      | H52100      | H52100      | 4          |
| 38 & 39       | NUT HX STD 3/8-16UNC            | P52380      | P52380      | P52380      | 4          |

Complete gasket kit - part number 180019

## 25 VLS / 25 HVS DUPLEX SPECIAL CAPACITY - 3500 RPM

| Item #   | Description                           | Part number |        |        | Qty |
|----------|---------------------------------------|-------------|--------|--------|-----|
|          |                                       | 20 PSI      | 30PSI  | 40PSI  |     |
| 1        | RECEIVER ,                            | DR0274      | DR0274 | DR0274 | 1   |
| 4        | 3" INLET BASKET STRAINER ASSEM.       | DA0182      | DA0182 | DA0182 | 1   |
| 4a       | STRAINER SCREEN ONLY                  | DA0018      | DA0018 | DA0018 | 1   |
| 4b       | STRAINER COVER GASKET                 | DG0160      | DG0160 | DG0160 | 1   |
| 4c       | NIPPLE STD 3NPTX4LG                   | DL0153      | DL0153 | DL0153 | 1   |
| 6        | COMPOUND GAUGE                        | DA0114      | DA0114 | DA0114 | 1   |
| 6a       | GAGE COCK 1/4FPT                      | DV0325      | DV0325 | DV0325 | 1   |
| 7        | VACUUM BREAKER 3/4IN #26              | DA0061      | DA0061 | DA0061 | 1   |
| 8        | ANGLE THERMOMETER                     | DA0104      | DA0104 | DA0104 | 1   |
| 9a       | VALVE SET 5/8 WATER                   | DV0342      | DV0342 | DV0342 | 1   |
| 9b       | GAUGE GLASS 5/8X9                     | DV0347      | DV0347 | DV0347 | 1   |
| 9c       | GUARD ROD 3/16DIA X 11                | DV0367      | DV0367 | DV0367 | 2   |
| 11 & 12  | VACUUM SWITCH (DUPLEX)                | DE0987      | DE0987 | DE0987 | 2   |
| 14       | FLOAT SWITCH ASSEMBLY                 | DA0393      | DA0393 | DA0393 | 2   |
| 14a      | FLOAT BALL ONLY                       | DA0165      | DA0165 | DA0165 | 2   |
| 14b      | FLOAT SWITCH SEAL KIT                 | 180095      | 180095 | 180095 | 2   |
| 16       | COPPER TUBING                         | X42104      | X42104 | X42104 | 8   |
| 17 & 19  | DIS. SOLENOID VALVE (115v)            | DE1859      | DE1859 | DE1859 | 2   |
|          | --OR--                                |             |        |        |     |
| 17 & 19  | DIS. SOLENOID VALVE (208v / 230v)     | DE1860      | DE1860 | DE1860 | 2   |
| 22       | SWING CHECK VALVE                     | DV1084      | DV1084 | DV1084 | 1   |
| 24       | LIFTING EYE                           | DJ0321      | DJ0321 | DJ0321 | 2   |
| 26       | COVER PLATE DISCH MAN                 | DA0150      | DA0150 | DA0150 | 2   |
| 26a      | GASKET, DRAIN COVER FLAN              | DG0127      | DG0127 | DG0127 | 2   |
| 27       | ELBOW 90 STREET1-1/4NPT               | DF0167      | DF0167 | DF0167 | 1   |
| 28       | FLANGE BLIND                          | DF0210      | DF0210 | DF0210 | 2   |
| 28a      | FLANGE GASKET                         | DG0060      | DG0060 | DG0060 | 4   |
| 29       | BUSHING                               | DF0040      | DF0040 | DF0040 | 2   |
| 30       | NIPPLE                                | DL0113      | DL0113 | DL0113 | 2   |
| 32       | DIN CONNECTOR                         | DE1645      | DE1645 | DE1645 | 2   |
| 33       | CHECK VALVE ASM3 IN ,                 | DV0083      | DV0083 | DV0083 | 2   |
| 33a      | CHECK VALVE FACING ONLY               | DV0072      | DV0072 | DV0072 | 2   |
| 34       | INSERT MANIFOLD LG ,                  | DL1702      | DL1702 | DL1702 | 2   |
| 35a      | GASKET, NOZZLE BODY 30-7              | DG0154      | DG0154 | DG0154 | 2   |
| 35       | NOZZLE BODY                           | DL1437      | DL1437 | DL1437 | 2   |
| 36       | NOZZLE                                | DL1318      | DL1335 | DL1322 | 2   |
| 37       | VENTURI                               | DL1174      | DL1192 | DL1193 | 2   |
| 38       | MANIFOLD EL 90 RED. 3X2I              | DL1710      | DL1710 | DL1710 | 1   |
| 38a      | GASKET, MANIFOLD ELBOW                | DG0141      | DG0141 | DG0141 | 2   |
| 39       | MANIFOLD EL 90 STR 3IN                | DL1706      | DL1706 | DL1706 | 1   |
| 27,39,41 | GASKET, MANIFOLD FLANGE               | DG0142      | DG0142 | DG0142 | 5   |
| 40       | NOZZLE RETAINING RING (or Ret. Screw) | DL1486      | DL1486 | DL1486 | 2   |
| 41       | MANIFOLD ELBOW                        | DL1712      | DL1712 | DL1712 | 1   |
| 42       | MANIFOLD ELBOW                        | DL1744      | DL1744 | DL1744 | 1   |
| 43       | PLATE AIR VENT ,                      | DL0600      | DL0600 | DL0600 | 1   |
| 43a      | GASKET, HOUSING                       | DG0135      | DG0135 | DG0135 | 1   |
| 44       | DISCHARGE MANIFOLD BODY               | DL1471      | DL1471 | DL1471 | 2   |
| 44a      | GASKET, NOZ BODY DISCH M              | DG0151      | DG0151 | DG0151 | 2   |

## FASTENER INFORMATION

| Where used    | Description                     | Part number | Part number | Part number | Qty / unit |
|---------------|---------------------------------|-------------|-------------|-------------|------------|
|               |                                 | 20 PSI      | 30 PSI      | 40 PSI      |            |
| 11 & 12       | CONN MALE STR 1/4OD X 1,        | DF0506      | DF0506      | DF0506      | 2          |
| 11 & 12       | TEE MALE RUN                    | DF0509      | DF0509      | DF0509      | 1          |
| obs           | ELBOW 90 MALE 1/4OD X 1,        | DF0511      | DF0511      | DF0511      | 2          |
| 11 & 12       | CAPSCREW HEX HD1/4-20UNC        | DJ0023      | DJ0023      | DJ0023      | 4          |
| 37            | CAPSCREW HEX HD5/16-18NC        | DJ0031      | DJ0031      | DJ0031      | 4          |
| 35            | CAPSCREW HEX HD3/8-16UNC        | DJ0063      | DJ0063      | DJ0063      | 8          |
| 44            | CAPSCREW HEX HD3/8-16UNC        | DJ0066      | DJ0066      | DJ0066      | 24         |
| 33            | NUT HEX STD 5/16-18UN           | DJ0226      | DJ0226      | DJ0226      | 8          |
| 37            | WASHER HOLDING 11/32IDX1        | DJ0277      | DJ0277      | DJ0277      | 4          |
| 35            | STUD BOLT 3/8-16UNX1-7/1        | DJ0471      | DJ0471      | DJ0471      | 20         |
| 43            | STUD BOLT 3/8-16UNX1-13/        | DJ0472      | DJ0472      | DJ0472      | 4          |
| Pump Mounting | STUD PUMP CASE 1/2-13NCX,       | DJ0478      | DJ0478      | DJ0478      | 16         |
| obs           | NIPPLE STD 1/4NPTX1-,           | DL0021      | DL0021      | DL0021      | 2          |
| 6             | NIPPLE STD 1/4NPTX1-1/2         | DL0022      | DL0022      | DL0022      | 1          |
| obs           | NIPPLE STD 1-1/4NPTX,           | DL0097      | DL0097      | DL0097      | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE1591      | DE1591      | DE1591      | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE1592      | DE1592      | DE1592      | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE0570      | DE0570      | DE0570      | 1          |
|               | LOCK NUT/ RIGID                 | P34460      | P34460      | P34460      | 12         |
|               | NIPPLE , STD                    | J89374      | J89374      | J89374      | 2          |
| 33            | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032      | DV0032      | DV0032      | 8          |
| 1             | PLUG EQUALIZINGA711-8235,       | DV1149      | DV1149      | DV1149      | 1          |
| 1             | PLUG SQ HD 1/2NPT ,             | H47900      | H47900      | H47900      | 1          |
| 1             | PLUG HEX HD 1/4NPT ,            | P39040      | P39040      | P39040      | 4          |
| 38,38,39,40   | NUT HX STD 3/8-16UNC,           | P52380      | P52380      | P52380      | 24         |
|               | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800      | S41800      | S41800      | 2          |
| 1             | PLUG SQ HD 1NPT ,               | U19200      | U19200      | U19200      | 2          |
| Pump Mounting | NUT HEX LGT 1/2-13UNC,          | F11400      | F11400      | F11400      | 16         |
| 38 & 39       | CAPSCREW HEX HD5/16-18UN        | DJ0034      | DJ0034      | DJ0034      | 8          |
| 38 & 39       | CAPSCREW,HEX HD 3/8-16NC        | H52100      | H52100      | H52100      | 4          |
| 38 & 39       | NUT HX STD 3/8-16UNC            | P52380      | P52380      | P52380      | 4          |

Complete gasket kit - part number 180019 (qty 2 required)

## 25 VL / 25 HV SIMPLEX STANDARD CAPACITY-1750 RPM

| Item #        | Description                           | Part number    |                | Qty |
|---------------|---------------------------------------|----------------|----------------|-----|
|               |                                       | 20 PSI         | 30PSI          |     |
| 1             | RECEIVER ,                            | DR0274         | DR0274         | 1   |
| 3             | 3" INLET BASKET STRAINER ASSEM.       | DA0182         | DA0182         | 1   |
| 3a            | STRAINER SCREEN ONLY                  | DA0018         | DA0018         | 1   |
| 3b            | STRAINER COVER GASKET                 | DG0160         | DG0160         | 1   |
| 3c            | NIPPLE STD 3NPTX4LG                   | DL0153         | DL0153         | 1   |
| 5             | COMPOUND GAUGE                        | DA0114         | DA0114         | 1   |
| 5a            | GAGE COCK 1/4FPT                      | DV0325         | DV0325         | 1   |
| 6             | VACUUM BREAKER 3/4IN #26              | DA0061         | DA0061         | 1   |
| 7             | ANGLE THERMOMETER                     | DA0104         | DA0104         | 1   |
| 8a            | VALVE SET 5/8 WATER                   | DV0342         | DV0342         | 1   |
| 8b            | GAUGE GLASS 5/8X9                     | DV0347         | DV0347         | 1   |
| 8c            | GUARD ROD 3/16DIA X 11                | DV0367         | DV0367         | 2   |
| 10            | VACUUM SWITCH (SIMPLEX)               | DE0988         | DE0988         | 1   |
| 12            | FLOAT SWITCH ASSEMBLY                 | DA0393         | DA0393         | 1   |
| 12a           | FLOAT BALL ONLY                       | DA0165         | DA0165         | 1   |
| 12b           | FLOAT SWITCH SEAL KIT                 | 180095         | 180095         | 1   |
| 13            | COPPER TUBING                         | X42104         | X42104         | 4   |
| 17            | SWING CHECK VALVE                     | DV1084         | DV1084         | 1   |
| 19            | LIFTING EYE                           | DJ0321         | DJ0321         | 2   |
| 21            | COVER PLATE DISCH MAN                 | DA0150         | DA0150         | 1   |
| 21a           | GASKET, DRAIN COVER FLAN              | DG0127         | DG0127         | 1   |
| 22            | ELBOW 90 STREET1-1/4NPT               | DF0167         | DF0167         | 1   |
| 23            | FLANGE BLIND                          | DF0210         | DF0210         | 3   |
| 23a           | FLANGE GASKET                         | DG0060         | DG0060         | 4   |
| 24            | PLATE AIR VENT ,                      | DL0600         | DL0600         | 1   |
| 24a           | GASKET, HOUSING                       | DG0135         | DG0135         | 1   |
| 25            | DISCHARGE MANIFOLD BODY               | DL1471         | DL1471         | 1   |
| 25a           | GASKET, NOZ BODY DISCH M              | DG0151         | DG0151         | 1   |
| 26            | NOZZLE BODY COVER PLATE               | DL1480         | DL1480         | 1   |
| 27            | COVER PLATE MANIFOLD ,                | DL1738         | DL1738         | 2   |
| 29            | BUSHING                               | DF0040         | DF0040         | 1   |
| 30            | NIPPLE                                | DL0113         | DL0113         | 1   |
| 31            | DIS. SOLENOID VALVE (115v)            | DE1859         | DE1859         | 1   |
|               | --OR--                                |                |                |     |
| 31            | DIS. SOLENOID VALVE (208v / 230v)     | DE1860         | DE1860         | 1   |
| 32            | DIN CONNECTOR                         | DE1645         | DE1645         | 1   |
| 33            | CHECK VALVE ASM3 IN ,                 | DV0083         | DV0083         | 1   |
| 33a           | CHECK VALVE FACING ONLY               | DV0072         | DV0072         | 1   |
| 34            | INSERT MANIFOLD LG ,                  | DL1702         | DL1702         | 1   |
|               | GASKET, NOZZLE BODY 30-7              | DG0154         | DG0154         | 2   |
| 35            | NOZZLE BODY                           | DL1437         | DL1437         | 1   |
| 36            | NOZZLE                                | DL1342         | DL1320         | 1   |
| 37            | VENTURI                               | DL1194         | DL1194         | 1   |
| 38            | MANIFOLD EL 90 RED. 3X2I              | not applicable | DL1710         | 1   |
| 38a           | GASKET, MANIFOLD ELBOW                | not applicable | DG0141         | 1   |
|               | CASE GASKET                           | DG0070         | not applicable | 1   |
| 39            | MANIFOLD EL 90 STR 3IN                | DL1708         | DL1706         | 1   |
| 27a & 39a & b | GASKET, MANIFOLD FLANGE               | DG0142         | DG0142         | 4   |
| 40            | NOZZLE RETAINING RING (or Ret. Screw) | DL1486         | DL1486         | 1   |

## FASTENER INFORMATION

| Where used    | Description                     | Part number    | Part number    | Qty / unit |
|---------------|---------------------------------|----------------|----------------|------------|
|               | CONN MALE STR 1/4OD X 1,        | DF0506         | DF0506         | 1          |
|               | CONN MALE STR 1/4OD X 1,        | DF0510         | DF0510         | 1          |
|               | ELBOW 90 MALE 1/4OD X 1,        | DF0511         | DF0511         | 1          |
| 10            | CAPSCREW HEX HD1/4-20UNC        | DJ0023         | DJ0023         | 2          |
| 37            | CAPSCREW HEX HD5/16-18NC        | DJ0031         | DJ0031         | 2          |
| 26            | CAPSCREW HEX HD3/8-16UNC        | DJ0063         | DJ0063         | 4          |
| 25            | CAPSCREW HEX HD3/8-16UNC        | DJ0066         | DJ0066         | 12         |
| 33            | NUT HEX STD 5/16-18UN           | DJ0226         | DJ0226         | 4          |
| 37            | WASHER HOLDING 11/32IDX1        | DJ0277         | DJ0277         | 2          |
| 35            | STUD BOLT 3/8-16UNX1-7/1        | DJ0471         | DJ0471         | 20         |
| 24            | STUD BOLT 3/8-16UNX1-13/        | DJ0472         | DJ0472         | 4          |
| Pump Mounting | STUD PUMP CASE 1/2-13NCX,       | DJ0478         | DJ0478         | 16         |
| obs           | NIPPLE STD 1/4NPTX1-,           | DL0021         | DL0021         | 1          |
| 5             | NIPPLE STD 1/4NPTX1-1/2         | DL0022         | DL0022         | 1          |
| obs           | NIPPLE STD 1-1/4NPTX,           | DL0097         | DL0097         | 1          |
| 33            | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032         | DV0032         | 4          |
| 1             | PLUG EQUALIZINGA711-8235,       | DV1149         | DV1149         | 1          |
| 28            | PLUG SQ HD 2-1/2NPT ,           | F12200         | F12200         | 1          |
| 1             | PLUG SQ HD 1/2NPT ,             | H47900         | H47900         | 1          |
| 1             | PLUG HEX HD 1/8NPT ,            | P39020         | P39020         | 1          |
| 1             | PLUG HEX HD 1/4NPT ,            | P39040         | P39040         | 5          |
|               | CAPSCREW 3/4-10 X 1-1/2         | P19810         | not applicable | 1          |
| 24,38,38,39   | NUT HX STD 3/8-16UNC,           | P52380         | P52380         | 24         |
|               | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800         | S41800         | 1          |
| 1             | PLUG SQ HD 1NPT ,               | U19200         | U19200         | 2          |
| Pump Mounting | NUT HEX LGT 1/2-13UNC,          | F11400         | F11400         | 16         |
| 38 & 39       | CAPSCREW HEX HD5/16-18UN        | DJ0034         | DJ0034         | 4          |
| 38 & 39       | CAPSCREW,HEX HD 3/8-16NC        | not applicable | H52100         | 4          |
| 38 & 39       | NUT HX STD 3/8-16UNC            | not applicable | P52380         | 4          |

Complete gasket kit - part number 180019

## 25 VL / 25 HV DUPLEX STANDARD CAPACITY-1750 RPM

| Item #   | Description                           | Part number    |                | Qty |
|----------|---------------------------------------|----------------|----------------|-----|
|          |                                       | 20 PSI         | 30PSI          |     |
| 1        | RECEIVER ,                            | DR0274         | DR0274         | 1   |
| 4        | 3" INLET BASKET STRAINER ASSEM.       | DA0182         | DA0182         | 1   |
| 4a       | STRAINER SCREEN ONLY                  | DA0018         | DA0018         | 1   |
| 4b       | STRAINER COVER GASKET                 | DG0160         | DG0160         | 1   |
| 4c       | NIPPLE STD 3NPTX4LG                   | DL0153         | DL0153         | 1   |
| 6        | COMPOUND GAUGE                        | DA0114         | DA0114         | 1   |
| 6a       | GAGE COCK 1/4FPT                      | DV0325         | DV0325         | 1   |
| 7        | VACUUM BREAKER 3/4IN #26              | DA0061         | DA0061         | 1   |
| 8        | ANGLE THERMOMETER                     | DA0104         | DA0104         | 1   |
| 9a       | VALVE SET 5/8 WATER                   | DV0342         | DV0342         | 1   |
| 9b       | GAUGE GLASS 5/8X9                     | DV0347         | DV0347         | 1   |
| 9c       | GUARD ROD 3/16DIA X 11                | DV0367         | DV0367         | 2   |
| 11 & 12  | VACUUM SWITCH (DUPLEX)                | DE0987         | DE0987         | 2   |
| 14       | FLOAT SWITCH ASSEMBLY                 | DA0393         | DA0393         | 2   |
| 14a      | FLOAT BALL ONLY                       | DA0165         | DA0165         | 2   |
| 14b      | FLOAT SWITCH SEAL KIT                 | 180095         | 180095         | 2   |
| 16       | COPPER TUBING                         | X42104         | X42104         | 8   |
| 17 & 19  | DIS. SOLENOID VALVE (115v)            | DE1859         | DE1859         | 2   |
|          | --OR--                                |                |                |     |
| 17 & 19  | DIS. SOLENOID VALVE (208v / 230v)     | DE1860         | DE1860         | 2   |
| 22       | SWING CHECK VALVE                     | DV1084         | DV1084         | 1   |
| 24       | LIFTING EYE                           | DJ0321         | DJ0321         | 2   |
| 26       | COVER PLATE DISCH MAN                 | DA0150         | DA0150         | 2   |
| 26a      | GASKET, DRAIN COVER FLAN              | DG0127         | DG0127         | 2   |
| 27       | ELBOW 90 STREET 1-1/4NPT              | DF0167         | DF0167         | 1   |
| 28       | FLANGE BLIND                          | DF0210         | DF0210         | 2   |
| 28a      | FLANGE GASKET                         | DG0060         | DG0060         | 4   |
| 29       | BUSHING                               | DF0040         | DF0040         | 2   |
| 30       | NIPPLE                                | DL0113         | DL0113         | 2   |
| 32       | DIN CONNECTOR                         | DE1645         | DE1645         | 2   |
| 33       | CHECK VALVE ASM3 IN ,                 | DV0083         | DV0083         | 2   |
| 33a      | CHECK VALVE FACING ONLY               | DV0072         | DV0072         | 2   |
| 34       | INSERT MANIFOLD LG ,                  | DL1702         | DL1702         | 2   |
| 35a      | GASKET, NOZZLE BODY 30-7              | DG0154         | DG0154         | 2   |
| 35       | NOZZLE BODY                           | DL1437         | DL1437         | 2   |
| 36       | NOZZLE                                | DL1342         | DL1320         | 2   |
| 37       | VENTURI                               | DL1194         | DL1194         | 2   |
| 38       | MANIFOLD EL 90 RED. 3X2I              | not applicable | DL1710         | 1   |
| 38a      | GASKET, MANIFOLD ELBOW                | not applicable | DG0141         | 2   |
|          | CASE GASKET                           | DG0070         | not applicable | 2   |
| 39       | MANIFOLD EL 90 STR 3IN                | DL1708         | DL1706         | 1   |
| 27,39,41 | GASKET, MANIFOLD FLANGE               | DG0142 (qty 6) | DG0142 (qty 5) | **  |
| 40       | NOZZLE RETAINING RING (or Ret. Screw) | DL1486         | DL1486         | 2   |
| 41       | MANIFOLD ELBOW                        | DL1746         | DL1712         | 1   |
| 42       | MANIFOLD ELBOW                        | DL1744         | DL1744         | 1   |
| 43       | PLATE AIR VENT ,                      | DL0600         | DL0600         | 1   |
| 43a      | GASKET, HOUSING                       | DG0135         | DG0135         | 1   |
| 44       | DISCHARGE MANIFOLD BODY               | DL1471         | DL1471         | 2   |
| 44a      | GASKET, NOZ BODY DISCH M              | DG0151         | DG0151         | 2   |

## FASTENER INFORMATION

| Where used    | Description                     | Part number    |                | Qty / unit |
|---------------|---------------------------------|----------------|----------------|------------|
|               |                                 | 20 PSI         | 30 PSI         |            |
| 11 & 12       | CONN MALE STR 1/4OD X 1,        | DF0506         | DF0506         | 2          |
| 11 & 12       | TEE MALE RUN                    | DF0509         | DF0509         | 1          |
| obs           | ELBOW 90 MALE 1/4OD X 1,        | DF0511         | DF0511         | 2          |
| 11 & 12       | CAPSCREW HEX HD1/4-20UNC        | DJ0023         | DJ0023         | 4          |
| 37            | CAPSCREW HEX HD5/16-18NC        | DJ0031         | DJ0031         | 4          |
| 35            | CAPSCREW HEX HD3/8-16UNC        | DJ0063         | DJ0063         | 8          |
| 44            | CAPSCREW HEX HD3/8-16UNC        | DJ0066         | DJ0066         | 24         |
| 33            | NUT HEX STD 5/16-18UN           | DJ0226         | DJ0226         | 8          |
| 37            | WASHER HOLDING 11/32IDX1        | DJ0277         | DJ0277         | 4          |
| 35            | STUD BOLT 3/8-16UNX1-7/1        | DJ0471         | DJ0471         | 20         |
| 43            | STUD BOLT 3/8-16UNX1-13/        | DJ0472         | DJ0472         | 4          |
| Pump Mounting | STUD PUMP CASE 1/2-13NCX,       | DJ0478         | DJ0478         | 16         |
| obs           | NIPPLE STD 1/4NPTX1-,           | DL0021         | DL0021         | 2          |
| 6             | NIPPLE STD 1/4NPTX1-1/2         | DL0022         | DL0022         | 1          |
| obs           | NIPPLE STD 1-1/4NPTX,           | DL0097         | DL0097         | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE1591         | DE1591         | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE1592         | DE1592         | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE0570         | DE0570         | 1          |
|               | LOCK NUT/ RIGID                 | P34460         | P34460         | 12         |
|               | NIPPLE , STD                    | J89374         | J89374         | 2          |
| 33            | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032         | DV0032         | 8          |
| 1             | PLUG EQUALIZINGA711-8235,       | DV1149         | DV1149         | 1          |
| 1             | PLUG SQ HD 1/2NPT ,             | H47900         | H47900         | 1          |
| 1             | PLUG HEX HD 1/4NPT ,            | P39040         | P39040         | 4          |
|               | CAPSCREW 3/4-10 X 1-1/2         | P19810         | not applicable | 2          |
| 38,38,39,40   | NUT HX STD 3/8-16UNC,           | P52380         | P52380         | 24         |
|               | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800         | S41800         | 2          |
| 1             | PLUG SQ HD 1NPT ,               | U19200         | U19200         | 2          |
| Pump Mounting | NUT HEX LGT 1/2-13UNC,          | F11400         | F11400         | 16         |
| 38 & 39       | CAPSCREW HEX HD5/16-18UN        | not applicable | DJ0034         | 8          |
| 38 & 39       | CAPSCREW,HEX HD 3/8-16NC        | not applicable | H52100         | 4          |
| 38 & 39       | NUT HX STD 3/8-16UNC            | not applicable | P52380         | 4          |

Complete gasket kit - part number 180019 (qty 2 required)

## 25 VLS / 25 HVS SIMPLEX SPECIAL CAPACITY - 1750 RPM

| Item #        | Description                           | Part number    |                | Qty |
|---------------|---------------------------------------|----------------|----------------|-----|
|               |                                       | 20 PSI         | 30PSI          |     |
| 1             | RECEIVER ,                            | DR0274         | DR0274         | 1   |
| 3             | 3" INLET BASKET STRAINER ASSEM.       | DA0182         | DA0182         | 1   |
| 3a            | STRAINER SCREEN ONLY                  | DA0018         | DA0018         | 1   |
| 3b            | STRAINER COVER GASKET                 | DG0160         | DG0160         | 1   |
| 3c            | NIPPLE STD 3NPTX4LG                   | DL0153         | DL0153         | 1   |
| 5             | COMPOUND GAUGE                        | DA0114         | DA0114         | 1   |
| 5a            | GAGE COCK 1/4FPT                      | DV0325         | DV0325         | 1   |
| 6             | VACUUM BREAKER 3/4IN #26              | DA0061         | DA0061         | 1   |
| 7             | ANGLE THERMOMETER                     | DA0104         | DA0104         | 1   |
| 8a            | VALVE SET 5/8 WATER                   | DV0342         | DV0342         | 1   |
| 8b            | GAUGE GLASS 5/8X9                     | DV0347         | DV0347         | 1   |
| 8c            | GUARD ROD 3/16DIA X 11                | DV0367         | DV0367         | 2   |
| 10            | VACUUM SWITCH (SIMPLEX)               | DE0988         | DE0988         | 1   |
| 12            | FLOAT SWITCH ASSEMBLY                 | DA0393         | DA0393         | 1   |
| 12a           | FLOAT BALL ONLY                       | DA0165         | DA0165         | 1   |
| 12b           | FLOAT SWITCH SEAL KIT                 | 180095         | 180095         | 1   |
| 13            | COPPER TUBING                         | X42104         | X42104         | 4   |
| 17            | SWING CHECK VALVE                     | DV1084         | DV1084         | 1   |
| 19            | LIFTING EYE                           | DJ0321         | DJ0321         | 2   |
| 21            | COVER PLATE DISCH MAN                 | DA0150         | DA0150         | 1   |
| 21a           | GASKET, DRAIN COVER FLAN              | DG0127         | DG0127         | 1   |
| 22            | ELBOW 90 STREET1-1/4NPT               | DF0167         | DF0167         | 1   |
| 23            | FLANGE BLIND                          | DF0210         | DF0210         | 3   |
| 23a           | FLANGE GASKET                         | DG0060         | DG0060         | 4   |
| 24            | PLATE AIR VENT ,                      | DL0600         | DL0600         | 1   |
| 24a           | GASKET, HOUSING                       | DG0135         | DG0135         | 1   |
| 25            | DISCHARGE MANIFOLD BODY               | DL1471         | DL1471         | 1   |
| 25a           | GASKET, NOZ BODY DISCH M              | DG0151         | DG0151         | 1   |
| 26            | NOZZLE BODY COVER PLATE               | DL1480         | DL1480         | 1   |
| 27            | COVER PLATE MANIFOLD ,                | DL1738         | DL1738         | 2   |
| 29            | BUSHING                               | DF0040         | DF0040         | 1   |
| 30            | NIPPLE                                | DL0113         | DL0113         | 1   |
| 31            | DIS. SOLENOID VALVE (115v)            | DE1859         | DE1859         | 1   |
|               | --OR--                                |                |                |     |
| 31            | DIS. SOLENOID VALVE (208v / 230v)     | DE1860         | DE1860         | 1   |
| 32            | DIN CONNECTOR                         | DE1645         | DE1645         | 1   |
| 33            | CHECK VALVE ASM3 IN ,                 | DV0083         | DV0083         | 1   |
| 33a           | CHECK VALVE FACING ONLY               | DV0072         | DV0072         | 1   |
| 34            | INSERT MANIFOLD LG ,                  | DL1702         | DL1702         | 1   |
|               | GASKET, NOZZLE BODY 30-7              | DG0154         | DG0154         | 2   |
| 35            | NOZZLE BODY                           | DL1437         | DL1437         | 1   |
| 36            | NOZZLE                                | DL1333         | DL1335         | 1   |
| 37            | VENTURI                               | DL1171         | DL1192         | 1   |
| 38            | MANIFOLD EL 90 RED. 3X2I              | not applicable | not applicable | 1   |
| 38a           | GASKET, MANIFOLD ELBOW                | not applicable | not applicable | 1   |
|               | CASE GASKET                           | DG0070         | DG0070         | 1   |
| 39            | MANIFOLD EL 90 STR 3IN                | DL1708         | DL1708         | 1   |
| 27a & 39a & b | GASKET, MANIFOLD FLANGE               | DG0142         | DG0142         | 4   |
| 40            | NOZZLE RETAINING RING (or Ret. Screw) | DL1486         | DL1486         | 1   |

## FASTENER INFORMATION

| Where used    | Description                     | Part number    | Part number    | Qty / unit     |
|---------------|---------------------------------|----------------|----------------|----------------|
|               | CONN MALE STR 1/4OD X 1,        | DF0506         | DF0506         | 1              |
|               | CONN MALE STR 1/4OD X 1,        | DF0510         | DF0510         | 1              |
|               | ELBOW 90 MALE 1/4OD X 1,        | DF0511         | DF0511         | 1              |
| 10            | CAPSCREW HEX HD1/4-20UNC        | DJ0023         | DJ0023         | 2              |
| 37            | CAPSCREW HEX HD5/16-18NC        | DJ0031         | DJ0031         | 2              |
| 26            | CAPSCREW HEX HD3/8-16UNC        | DJ0063         | DJ0063         | 4              |
| 25            | CAPSCREW HEX HD3/8-16UNC        | DJ0066         | DJ0066         | 12             |
| 33            | NUT HEX STD 5/16-18UN           | DJ0226         | DJ0226         | 4              |
| 37            | WASHER HOLDING 11/32IDX1        | DJ0277         | DJ0277         | 2              |
| 35            | STUD BOLT 3/8-16UNX1-7/1        | DJ0471         | DJ0471         | 20             |
| 24            | STUD BOLT 3/8-16UNX1-13/        | DJ0472         | DJ0472         | 4              |
| Pump Mounting | STUD PUMP CASE 1/2-13NCX,       | DJ0478         | DJ0478         | 16             |
| obs           | NIPPLE STD 1/4NPTX1-,           | DL0021         | DL0021         | 1              |
| 5             | NIPPLE STD 1/4NPTX1-1/2         | DL0022         | DL0022         | 1              |
| obs           | NIPPLE STD 1-1/4NPTX,           | DL0097         | DL0097         | 1              |
| 33            | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032         | DV0032         | 4              |
| 1             | PLUG EQUALIZINGA711-8235,       | DV1149         | DV1149         | 1              |
| 28            | PLUG SQ HD 2-1/2NPT ,           | F12200         | F12200         | 1              |
| 1             | PLUG SQ HD 1/2NPT ,             | H47900         | H47900         | 1              |
| 1             | PLUG HEX HD 1/8NPT ,            | P39020         | P39020         | 1              |
| 1             | PLUG HEX HD 1/4NPT ,            | P39040         | P39040         | 5              |
|               | CAPSCREW 3/4-10 X 1-1/2         | P19810         | P19810         | 1              |
| 24,38,38,39   | NUT HX STD 3/8-16UNC,           | P52380         | P52380         | 24             |
|               | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800         | S41800         | 1              |
| 1             | PLUG SQ HD 1NPT ,               | U19200         | U19200         | 2              |
| Pump Mounting | NUT HEX LGT 1/2-13UNC,          | F11400         | F11400         | 16             |
| 38 & 39       | CAPSCREW HEX HD5/16-18UN        | DJ0034         | DJ0034         | 4              |
| 38 & 39       | CAPSCREW,HEX HD 3/8-16NC        | not applicable | not applicable | not applicable |
| 38 & 39       | NUT HX STD 3/8-16UNC            | not applicable | not applicable | not applicable |

Complete gasket kit - part number 180019

## 25 VL / 25 HV DUPLEX SPECIAL CAPACITY - 1750 RPM

| Item #   | Description                           | Part number    |                | Qty |
|----------|---------------------------------------|----------------|----------------|-----|
|          |                                       | 20 PSI         | 30PSI          |     |
| 1        | RECEIVER ,                            | DR0274         | DR0274         | 1   |
| 4        | 3" INLET BASKET STRAINER ASSEM.       | DA0182         | DA0182         | 1   |
| 4a       | STRAINER SCREEN ONLY                  | DA0018         | DA0018         | 1   |
| 4b       | STRAINER COVER GASKET                 | DG0160         | DG0160         | 1   |
| 4c       | NIPPLE STD 3NPTX4LG                   | DL0153         | DL0153         | 1   |
| 6        | COMPOUND GAUGE                        | DA0114         | DA0114         | 1   |
| 6a       | GAGE COCK 1/4FPT                      | DV0325         | DV0325         | 1   |
| 7        | VACUUM BREAKER 3/4IN #26              | DA0061         | DA0061         | 1   |
| 8        | ANGLE THERMOMETER                     | DA0104         | DA0104         | 1   |
| 9a       | VALVE SET 5/8 WATER                   | DV0342         | DV0342         | 1   |
| 9b       | GAUGE GLASS 5/8X9                     | DV0347         | DV0347         | 1   |
| 9c       | GUARD ROD 3/16DIA X 11                | DV0367         | DV0367         | 2   |
| 11 & 12  | VACUUM SWITCH (DUPLEX)                | DE0987         | DE0987         | 2   |
| 14       | FLOAT SWITCH ASSEMBLY                 | DA0393         | DA0393         | 2   |
| 14a      | FLOAT BALL ONLY                       | DA0165         | DA0165         | 2   |
| 14b      | FLOAT SWITCH SEAL KIT                 | 180095         | 180095         | 2   |
| 16       | COPPER TUBING                         | X42104         | X42104         | 8   |
| 17 & 19  | DIS. SOLENOID VALVE (115v)            | DE1859         | DE1859         | 2   |
|          | --OR--                                |                |                |     |
| 17 & 19  | DIS. SOLENOID VALVE (208v / 230v)     | DE1860         | DE1860         | 2   |
| 22       | SWING CHECK VALVE                     | DV1084         | DV1084         | 1   |
| 24       | LIFTING EYE                           | DJ0321         | DJ0321         | 2   |
| 26       | COVER PLATE DISCH MAN                 | DA0150         | DA0150         | 2   |
| 26a      | GASKET, DRAIN COVER FLAN              | DG0127         | DG0127         | 2   |
| 27       | ELBOW 90 STREET1-1/4NPT               | DF0167         | DF0167         | 1   |
| 28       | FLANGE BLIND                          | DF0210         | DF0210         | 2   |
| 28a      | FLANGE GASKET                         | DG0060         | DG0060         | 4   |
| 29       | BUSHING                               | DF0040         | DF0040         | 2   |
| 30       | NIPPLE                                | DL0113         | DL0113         | 2   |
| 32       | DIN CONNECTOR                         | DE1645         | DE1645         | 2   |
| 33       | CHECK VALVE ASM3 IN ,                 | DV0083         | DV0083         | 2   |
| 33a      | CHECK VALVE FACING ONLY               | DV0072         | DV0072         | 2   |
| 34       | INSERT MANIFOLD LG ,                  | DL1702         | DL1702         | 2   |
| 35a      | GASKET, NOZZLE BODY 30-7              | DG0154         | DG0154         | 2   |
| 35       | NOZZLE BODY                           | DL1437         | DL1437         | 2   |
| 36       | NOZZLE                                | DL1342         | DL1342         | 2   |
| 37       | VENTURI                               | DL1194         | DL1194         | 2   |
| 38       | MANIFOLD EL 90 RED. 3X2I              | not applicable | not applicable | 1   |
| 38a      | GASKET, MANIFOLD ELBOW                | not applicable | not applicable | 2   |
|          | CASE GASKET                           | DG0070         | DG0070         | 2   |
| 39       | MANIFOLD EL 90 STR 3IN                | DL1708         | DL1708         | 1   |
| 27,39,41 | GASKET, MANIFOLD FLANGE               | DG0142 (qty 6) | DG0142 (qty 6) | **  |
| 40       | NOZZLE RETAINING RING (or Ret. Screw) | DL1486         | DL1486         | 2   |
| 41       | MANIFOLD ELBOW                        | DL1746         | DL1746         | 1   |
| 42       | MANIFOLD ELBOW                        | DL1744         | DL1744         | 1   |
| 43       | PLATE AIR VENT ,                      | DL0600         | DL0600         | 1   |
| 43a      | GASKET, HOUSING                       | DG0135         | DG0135         | 1   |
| 44       | DISCHARGE MANIFOLD BODY               | DL1471         | DL1471         | 2   |
| 44a      | GASKET, NOZ BODY DISCH M              | DG0151         | DG0151         | 2   |

| FASTENER INFORMATION |                                 |                |                |                |
|----------------------|---------------------------------|----------------|----------------|----------------|
| Where used           | Description                     | Part number    |                | Qty / unit     |
|                      |                                 | 20 PSI         | 30 PSI         |                |
| 11 & 12              | CONN MALE STR 1/4OD X 1,        | DF0506         | DF0506         | 2              |
| 11 & 12              | TEE MALE RUN                    | DF0509         | DF0509         | 1              |
| obs                  | ELBOW 90 MALE 1/4OD X 1,        | DF0511         | DF0511         | 2              |
| 11 & 12              | CAPSCREW HEX HD1/4-20UNC        | DJ0023         | DJ0023         | 4              |
| 37                   | CAPSCREW HEX HD5/16-18NC        | DJ0031         | DJ0031         | 4              |
| 35                   | CAPSCREW HEX HD3/8-16UNC        | DJ0063         | DJ0063         | 8              |
| 44                   | CAPSCREW HEX HD3/8-16UNC        | DJ0066         | DJ0066         | 24             |
| 33                   | NUT HEX STD 5/16-18UN           | DJ0226         | DJ0226         | 8              |
| 37                   | WASHER HOLDING 11/32IDX1        | DJ0277         | DJ0277         | 4              |
| 35                   | STUD BOLT 3/8-16UNX1-7/1        | DJ0471         | DJ0471         | 20             |
| 43                   | STUD BOLT 3/8-16UNX1-13/        | DJ0472         | DJ0472         | 4              |
| Pump Mounting        | STUD PUMP CASE 1/2-13NCX,       | DJ0478         | DJ0478         | 16             |
| obs                  | NIPPLE STD 1/4NPTX1-,           | DL0021         | DL0021         | 2              |
| 6                    | NIPPLE STD 1/4NPTX1-1/2         | DL0022         | DL0022         | 1              |
| obs                  | NIPPLE STD 1-1/4NPTX,           | DL0097         | DL0097         | 1              |
| 11,12,14             | NIPPLE, RIGID                   | DE1591         | DE1591         | 1              |
| 11,12,14             | NIPPLE, RIGID                   | DE1592         | DE1592         | 1              |
| 11,12,14             | NIPPLE, RIGID                   | DE0570         | DE0570         | 1              |
|                      | LOCK NUT/ RIGID                 | P34460         | P34460         | 12             |
|                      | NIPPLE , STD                    | J89374         | J89374         | 2              |
| 33                   | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032         | DV0032         | 8              |
| 1                    | PLUG EQUALIZINGA711-8235,       | DV1149         | DV1149         | 1              |
| 1                    | PLUG SQ HD 1/2NPT ,             | H47900         | H47900         | 1              |
| 1                    | PLUG HEX HD 1/4NPT ,            | P39040         | P39040         | 4              |
|                      | CAPSCREW 3/4-10 X 1-1/2         | P19810         | P19810         | 2              |
| 38,38,39,40          | NUT HX STD 3/8-16UNC,           | P52380         | P52380         | 24             |
|                      | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800         | S41800         | 2              |
| 1                    | PLUG SQ HD 1NPT ,               | U19200         | U19200         | 2              |
| Pump Mounting        | NUT HEX LGT 1/2-13UNC,          | F11400         | F11400         | 16             |
| 38 & 39              | CAPSCREW HEX HD5/16-18UN        | not applicable | not applicable | not applicable |
| 38 & 39              | CAPSCREW,HEX HD 3/8-16NC        | not applicable | not applicable | not applicable |
| 38 & 39              | NUT HX STD 3/8-16UNC            | not applicable | not applicable | not applicable |

Complete gasket kit - part number 180019 (qty 2 required)

### 30 VL / 30 HV SIMPLEX STANDARD CAPACITY-3500 RPM

| Item #        | Description                           | Part number |          |          | Qty |
|---------------|---------------------------------------|-------------|----------|----------|-----|
|               |                                       | 20 PSI      | 30PSI    | 40PSI    |     |
| 1             | RECEIVER ,                            | DR0274      | DR0274   | DR0274   | 1   |
| 3             | 3" INLET BASKET STRAINER ASSEM.       | DA0182      | DA0182   | DA0182   | 1   |
| 3a            | STRAINER SCREEN ONLY                  | DA0018      | DA0018   | DA0018   | 1   |
| 3b            | STRAINER COVER GASKET                 | DG0160      | DG0160   | DG0160   | 1   |
| 3c            | NIPPLE STD 3NPTX4LG                   | DL0153      | DL0153   | DL0153   | 1   |
| 5             | COMPOUND GAUGE                        | DA0114      | DA0114   | DA0114   | 1   |
| 5a            | GAGE COCK 1/4FPT                      | DV0325      | DV0325   | DV0325   | 1   |
| 6             | VACUUM BREAKER 3/4IN #26              | DA0061      | DA0061   | DA0061   | 1   |
| 7             | ANGLE THERMOMETER                     | DA0104      | DA0104   | DA0104   | 1   |
| 8a            | VALVE SET 5/8 WATER                   | DV0342      | DV0342   | DV0342   | 1   |
| 8b            | GAUGE GLASS 5/8X9                     | DV0347      | DV0347   | DV0347   | 1   |
| 8c            | GUARD ROD 3/16DIA X 11                | DV0367      | DV0367   | DV0367   | 2   |
| 10            | VACUUM SWITCH (SIMPLEX)               | DE0988      | DE0988   | DE0988   | 1   |
| 12            | FLOAT SWITCH ASSEMBLY                 | DA0393      | DA0393   | DA0393   | 1   |
| 12a           | FLOAT BALL ONLY                       | DA0165      | DA0165   | DA0165   | 1   |
| 12b           | FLOAT SWITCH SEAL KIT                 | 180095      | 180095   | 180095   | 1   |
| 13            | COPPER TUBING                         | X42104      | X42104   | X42104   | 4   |
| 17            | SWING CHECK VALVE                     | DV1084      | DV1084   | DV1084   | 1   |
| 19            | LIFTING EYE                           | DJ0321      | DJ0321   | DJ0321   | 2   |
| 21            | COVER PLATE DISCH MAN                 | DA0150      | DA0150   | DA0150   | 1   |
| 21a           | GASKET, DRAIN COVER FLAN              | DG0127      | DG0127   | DG0127   | 1   |
| 22            | ELBOW 90 STREET1-1/4NPT               | DF0167      | DF0167   | DF0167   | 1   |
| 23            | FLANGE BLIND                          | DF0210      | DF0210   | DF0210   | 3   |
| 23a           | FLANGE GASKET                         | DG0060      | DG0060   | DG0060   | 4   |
| 24            | PLATE AIR VENT ,                      | DL0600      | DL0600   | DL0600   | 1   |
| 24a           | GASKET, HOUSING                       | DG0135      | DG0135   | DG0135   | 1   |
| 25            | DISCHARGE MANIFOLD BODY               | DL1471      | DL1471   | DL1471   | 1   |
| 25a           | GASKET, NOZ BODY DISCH M              | DG0151      | DG0151   | DG0151   | 1   |
| 26            | NOZZLE BODY COVER PLATE               | DL1480      | DL1480   | DL1480   | 1   |
| 27            | COVER PLATE MANIFOLD ,                | DL1738      | DL1738   | DL1738   | 2   |
| 29            | BUSHING                               | DF0041      | DF0041   | DF0041   | 1   |
| 30            | NIPPLE                                | J89331      | J89331   | J89331   | 1   |
| 31            | DIS. SOLENOID VALVE (115v)            | DE1861      | DE1861   | DE1861   | 1   |
|               | --OR--                                |             |          |          |     |
| 31            | DIS. SOLENOID VALVE (208v / 230v)     | DE1862      | DE1862   | DE1862   | 1   |
| 32            | DIN CONNECTOR                         | DE1645      | DE1645   | DE1645   | 1   |
| 33            | CHECK VALVE ASM3 IN ,                 | DV0083      | DV0083   | DV0083   | 1   |
| 33a           | CHECK VALVE FACING ONLY               | DV0072      | DV0072   | DV0072   | 1   |
| 34            | INSERT MANIFOLD LG ,                  | DL1702      | DL1702   | DL1702   | 1   |
|               | GASKET, NOZZLE BODY 30-7              | DG0154      | DG0154   | DG0154   | 2   |
| 35            | NOZZLE BODY                           | DL1437      | DL1436   | DL1436   | 1   |
| 36            | NOZZLE                                | DL1342      | DL1364   | DL1365   | 1   |
| 37            | VENTURI                               | DL1194      | DL1112   | DL1114   | 1   |
| 38            | MANIFOLD EL 90 RED. 3X2I              | DL1710      | DL1710   | DL1710   | 1   |
| 38a           | GASKET, MANIFOLD ELBOW                | DG0141      | DG0141   | DG0141   | 1   |
| 39            | MANIFOLD EL 90 STR 3IN                | DL1706      | DL1706   | DL1706   | 1   |
| 27a & 39a & b | GASKET, MANIFOLD FLANGE               | DG0142      | DG0142   | DG0142   | 4   |
| 40            | NOZZLE RETAINING RING (or Ret. Screw) | DL1486      | (P03840) | (P03840) | 1   |

## FASTENER INFORMATION

| Where used    | Description                     | Part number | Part number | Part number | Qty / unit |
|---------------|---------------------------------|-------------|-------------|-------------|------------|
|               | CONN MALE STR 1/4OD X 1,        | DF0506      | DF0506      | DF0506      | 1          |
|               | CONN MALE STR 1/4OD X 1,        | DF0510      | DF0510      | DF0510      | 1          |
|               | ELBOW 90 MALE 1/4OD X 1,        | DF0511      | DF0511      | DF0511      | 1          |
| 10            | CAPSCREW HEX HD1/4-20UNC        | DJ0023      | DJ0023      | DJ0023      | 2          |
| 37            | CAPSCREW HEX HD5/16-18NC        | DJ0031      | DJ0031      | DJ0031      | 2          |
| 26            | CAPSCREW HEX HD3/8-16UNC        | DJ0063      | DJ0063      | DJ0063      | 4          |
| 25            | CAPSCREW HEX HD3/8-16UNC        | DJ0066      | DJ0066      | DJ0066      | 12         |
| 33            | NUT HEX STD 5/16-18UN           | DJ0226      | DJ0226      | DJ0226      | 4          |
| 37            | WASHER HOLDING 11/32IDX1        | DJ0277      | DJ0277      | DJ0277      | 2          |
| 35            | STUD BOLT 3/8-16UNX1-7/1        | DJ0471      | DJ0471      | DJ0471      | 20         |
| 24            | STUD BOLT 3/8-16UNX1-13/        | DJ0472      | DJ0472      | DJ0472      | 4          |
| Pump Mounting | STUD PUMP CASE 1/2-13NCX,       | DJ0478      | DJ0478      | DJ0478      | 16         |
| obs           | NIPPLE STD 1/4NPTX1-,           | DL0021      | DL0021      | DL0021      | 1          |
| 5             | NIPPLE STD 1/4NPTX1-1/2         | DL0022      | DL0022      | DL0022      | 1          |
| obs           | NIPPLE STD 1-1/4NPTX,           | DL0097      | DL0097      | DL0097      | 1          |
| 33            | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032      | DV0032      | DV0032      | 4          |
| 1             | PLUG EQUALIZINGA711-8235,       | DV1149      | DV1149      | DV1149      | 1          |
| 28            | PLUG SQ HD 2-1/2NPT ,           | F12200      | F12200      | F12200      | 1          |
| 1             | PLUG SQ HD 1/2NPT ,             | H47900      | H47900      | H47900      | 1          |
| 1             | PLUG HEX HD 1/8NPT ,            | P39020      | P39020      | P39020      | 1          |
| 1             | PLUG HEX HD 1/4NPT ,            | P39040      | P39040      | P39040      | 5          |
| 24,38,38,39   | NUT HX STD 3/8-16UNC,           | P52380      | P52380      | P52380      | 24         |
|               | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800      | S41800      | S41800      | 1          |
| 1             | PLUG SQ HD 1NPT ,               | U19200      | U19200      | U19200      | 2          |
| Pump Mounting | NUT HEX LGT 1/2-13UNC,          | F11400      | F11400      | F11400      | 16         |
| 38 & 39       | CAPSCREW HEX HD5/16-18UN        | DJ0034      | DJ0034      | DJ0034      | 4          |
| 38 & 39       | CAPSCREW,HEX HD 3/8-16NC        | H52100      | H52100      | H52100      | 4          |
| 38 & 39       | NUT HX STD 3/8-16UNC            | P52380      | P52380      | P52380      | 4          |

Complete gasket kit - part number 180019

### 30 VL / 30 HV DUPLEX STANDARD CAPACITY-3500 RPM

| Item #   | Description                           | Part number |          |          | Qty |
|----------|---------------------------------------|-------------|----------|----------|-----|
|          |                                       | 20 PSI      | 30PSI    | 40PSI    |     |
| 1        | RECEIVER ,                            | DR0274      | DR0274   | DR0274   | 1   |
| 4        | 3" INLET BASKET STRAINER ASSEM.       | DA0182      | DA0182   | DA0182   | 1   |
| 4a       | STRAINER SCREEN ONLY                  | DA0018      | DA0018   | DA0018   | 1   |
| 4b       | STRAINER COVER GASKET                 | DG0160      | DG0160   | DG0160   | 1   |
| 4c       | NIPPLE STD 3NPTX4LG                   | DL0153      | DL0153   | DL0153   | 1   |
| 6        | COMPOUND GAUGE                        | DA0114      | DA0114   | DA0114   | 1   |
| 6a       | GAGE COCK 1/4FPT                      | DV0325      | DV0325   | DV0325   | 1   |
| 7        | VACUUM BREAKER 3/4IN #26              | DA0061      | DA0061   | DA0061   | 1   |
| 8        | ANGLE THERMOMETER                     | DA0104      | DA0104   | DA0104   | 1   |
| 9a       | VALVE SET 5/8 WATER                   | DV0342      | DV0342   | DV0342   | 1   |
| 9b       | GAUGE GLASS 5/8X9                     | DV0347      | DV0347   | DV0347   | 1   |
| 9c       | GUARD ROD 3/16DIA X 11                | DV0367      | DV0367   | DV0367   | 2   |
| 11 & 12  | VACUUM SWITCH (DUPLEX)                | DE0987      | DE0987   | DE0987   | 2   |
| 14       | FLOAT SWITCH ASSEMBLY                 | DA0393      | DA0393   | DA0393   | 2   |
| 14a      | FLOAT BALL ONLY                       | DA0165      | DA0165   | DA0165   | 2   |
| 14b      | FLOAT SWITCH SEAL KIT                 | 180095      | 180095   | 180095   | 2   |
| 16       | COPPER TUBING                         | X42104      | X42104   | X42104   | 8   |
| 17 & 19  | DIS. SOLENOID VALVE (115v)            | DE1861      | DE1861   | DE1861   | 2   |
|          | --OR--                                |             |          |          |     |
| 17 & 19  | DIS. SOLENOID VALVE (208v / 230v)     | DE1862      | DE1862   | DE1862   | 2   |
| 22       | SWING CHECK VALVE                     | DV1084      | DV1084   | DV1084   | 1   |
| 24       | LIFTING EYE                           | DJ0321      | DJ0321   | DJ0321   | 2   |
| 26       | COVER PLATE DISCH MAN                 | DA0150      | DA0150   | DA0150   | 2   |
| 26a      | GASKET, DRAIN COVER FLAN              | DG0127      | DG0127   | DG0127   | 2   |
| 27       | ELBOW 90 STREET1-1/4NPT               | DF0167      | DF0167   | DF0167   | 1   |
| 28       | FLANGE BLIND                          | DF0210      | DF0210   | DF0210   | 2   |
| 28a      | FLANGE GASKET                         | DG0060      | DG0060   | DG0060   | 4   |
| 29       | BUSHING                               | DF0041      | DF0041   | DF0041   | 2   |
| 30       | NIPPLE                                | J89331      | J89331   | J89331   | 2   |
| 32       | DIN CONNECTOR                         | DE1645      | DE1645   | DE1645   | 2   |
| 33       | CHECK VALVE ASM3 IN ,                 | DV0083      | DV0083   | DV0083   | 2   |
| 33a      | CHECK VALVE FACING ONLY               | DV0072      | DV0072   | DV0072   | 2   |
| 34       | INSERT MANIFOLD LG ,                  | DL1702      | DL1702   | DL1702   | 2   |
| 35a      | GASKET, NOZZLE BODY 30-7              | DG0154      | DG0154   | DG0154   | 2   |
| 35       | NOZZLE BODY                           | DL1437      | DL1436   | DL1436   | 2   |
| 36       | NOZZLE                                | DL1342      | DL1364   | DL1365   | 2   |
| 37       | VENTURI                               | DL1194      | DL1112   | DL1114   | 2   |
| 38       | MANIFOLD EL 90 RED. 3X2I              | DL1710      | DL1710   | DL1710   | 1   |
| 38a      | GASKET, MANIFOLD ELBOW                | DG0141      | DG0141   | DG0141   | 2   |
| 39       | MANIFOLD EL 90 STR 3IN                | DL1706      | DL1706   | DL1706   | 1   |
| 27,39,41 | GASKET, MANIFOLD FLANGE               | DG0142      | DG0142   | DG0142   | 5   |
| 40       | NOZZLE RETAINING RING (or Ret. Screw) | DL1486      | (P03840) | (P03840) | 2   |
| 41       | MANIFOLD ELBOW                        | DL1712      | DL1712   | DL1712   | 1   |
| 42       | MANIFOLD ELBOW                        | DL1744      | DL1744   | DL1744   | 1   |
| 43       | PLATE AIR VENT ,                      | DL0600      | DL0600   | DL0600   | 1   |
| 43a      | GASKET, HOUSING                       | DG0135      | DG0135   | DG0135   | 1   |
| 44       | DISCHARGE MANIFOLD BODY               | DL1471      | DL1471   | DL1471   | 2   |
| 44a      | GASKET, NOZ BODY DISCH M              | DG0151      | DG0151   | DG0151   | 2   |

## FASTENER INFORMATION

| Where used    | Description                     | Part number | Part number | Part number | Qty / unit |
|---------------|---------------------------------|-------------|-------------|-------------|------------|
|               |                                 | 20 PSI      | 30 PSI      | 40 PSI      |            |
| 11 & 12       | CONN MALE STR 1/4OD X 1,        | DF0506      | DF0506      | DF0506      | 2          |
| 11 & 12       | TEE MALE RUN                    | DF0509      | DF0509      | DF0509      | 1          |
| obs           | ELBOW 90 MALE 1/4OD X 1,        | DF0511      | DF0511      | DF0511      | 2          |
| 11 & 12       | CAPSCREW HEX HD1/4-20UNC        | DJ0023      | DJ0023      | DJ0023      | 4          |
| 37            | CAPSCREW HEX HD5/16-18NC        | DJ0031      | DJ0031      | DJ0031      | 4          |
| 35            | CAPSCREW HEX HD3/8-16UNC        | DJ0063      | DJ0063      | DJ0063      | 8          |
| 44            | CAPSCREW HEX HD3/8-16UNC        | DJ0066      | DJ0066      | DJ0066      | 24         |
| 33            | NUT HEX STD 5/16-18UN           | DJ0226      | DJ0226      | DJ0226      | 8          |
| 37            | WASHER HOLDING 11/32IDX1        | DJ0277      | DJ0277      | DJ0277      | 4          |
| 35            | STUD BOLT 3/8-16UNX1-7/1        | DJ0471      | DJ0471      | DJ0471      | 20         |
| 43            | STUD BOLT 3/8-16UNX1-13/        | DJ0472      | DJ0472      | DJ0472      | 4          |
| Pump Mounting | STUD PUMP CASE 1/2-13NCX,       | DJ0478      | DJ0478      | DJ0478      | 16         |
| obs           | NIPPLE STD 1/4NPTX1-,           | DL0021      | DL0021      | DL0021      | 2          |
| 6             | NIPPLE STD 1/4NPTX1-1/2         | DL0022      | DL0022      | DL0022      | 1          |
| obs           | NIPPLE STD 1-1/4NPTX,           | DL0097      | DL0097      | DL0097      | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE1591      | DE1591      | DE1591      | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE1592      | DE1592      | DE1592      | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE0570      | DE0570      | DE0570      | 1          |
|               | LOCK NUT/ RIGID                 | P34460      | P34460      | P34460      | 12         |
|               | NIPPLE , STD                    | J89374      | J89374      | J89374      | 2          |
| 33            | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032      | DV0032      | DV0032      | 8          |
| 1             | PLUG EQUALIZINGA711-8235,       | DV1149      | DV1149      | DV1149      | 1          |
| 1             | PLUG SQ HD 1/2NPT ,             | H47900      | H47900      | H47900      | 1          |
| 1             | PLUG HEX HD 1/4NPT ,            | P39040      | P39040      | P39040      | 4          |
| 38,38,39,40   | NUT HX STD 3/8-16UNC,           | P52380      | P52380      | P52380      | 24         |
|               | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800      | S41800      | S41800      | 2          |
| 1             | PLUG SQ HD 1NPT                 | U19200      | U19200      | U19200      | 2          |
| Pump Mounting | NUT HEX LGT 1/2-13UNC,          | F11400      | F11400      | F11400      | 16         |
| 38 & 39       | CAPSCREW HEX HD5/16-18UN        | DJ0034      | DJ0034      | DJ0034      | 8          |
| 38 & 39       | CAPSCREW,HEX HD 3/8-16NC        | H52100      | H52100      | H52100      | 4          |
| 38 & 39       | NUT HX STD 3/8-16UNC            | P52380      | P52380      | P52380      | 4          |

Complete gasket kit - part number 180019 (qty 2 required)

### 30 VLS / 30 HVS SIMPLEX SPECIAL CAPACITY-3500 RPM

| Item #        | Description                           | Part number |        |        | Qty |
|---------------|---------------------------------------|-------------|--------|--------|-----|
|               |                                       | 20 PSI      | 30PSI  | 40PSI  |     |
| 1             | RECEIVER ,                            | DR0274      | DR0274 | DR0274 | 1   |
| 3             | 3" INLET BASKET STRAINER ASSEM.       | DA0182      | DA0182 | DA0182 | 1   |
| 3a            | STRAINER SCREEN ONLY                  | DA0018      | DA0018 | DA0018 | 1   |
| 3b            | STRAINER COVER GASKET                 | DG0160      | DG0160 | DG0160 | 1   |
| 3c            | NIPPLE STD 3NPTX4LG                   | DL0153      | DL0153 | DL0153 | 1   |
| 5             | COMPOUND GAUGE                        | DA0114      | DA0114 | DA0114 | 1   |
| 5a            | GAGE COCK 1/4FPT                      | DV0325      | DV0325 | DV0325 | 1   |
| 6             | VACUUM BREAKER 3/4IN #26              | DA0061      | DA0061 | DA0061 | 1   |
| 7             | ANGLE THERMOMETER                     | DA0104      | DA0104 | DA0104 | 1   |
| 8a            | VALVE SET 5/8 WATER                   | DV0342      | DV0342 | DV0342 | 1   |
| 8b            | GAUGE GLASS 5/8X9                     | DV0347      | DV0347 | DV0347 | 1   |
| 8c            | GUARD ROD 3/16DIA X 11                | DV0367      | DV0367 | DV0367 | 2   |
| 10            | VACUUM SWITCH (SIMPLEX)               | DE0988      | DE0988 | DE0988 | 1   |
| 12            | FLOAT SWITCH ASSEMBLY                 | DA0393      | DA0393 | DA0393 | 1   |
| 12a           | FLOAT BALL ONLY                       | DA0165      | DA0165 | DA0165 | 1   |
| 12b           | FLOAT SWITCH SEAL KIT                 | 180095      | 180095 | 180095 | 1   |
| 13            | COPPER TUBING                         | X42104      | X42104 | X42104 | 4   |
| 17            | SWING CHECK VALVE                     | DV1084      | DV1084 | DV1084 | 1   |
| 19            | LIFTING EYE                           | DJ0321      | DJ0321 | DJ0321 | 2   |
| 21            | COVER PLATE DISCH MAN                 | DA0150      | DA0150 | DA0150 | 1   |
| 21a           | GASKET, DRAIN COVER FLAN              | DG0127      | DG0127 | DG0127 | 1   |
| 22            | ELBOW 90 STREET1-1/4NPT               | DF0167      | DF0167 | DF0167 | 1   |
| 23            | FLANGE BLIND                          | DF0210      | DF0210 | DF0210 | 3   |
| 23a           | FLANGE GASKET                         | DG0060      | DG0060 | DG0060 | 4   |
| 24            | PLATE AIR VENT ,                      | DL0600      | DL0600 | DL0600 | 1   |
| 24a           | GASKET, HOUSING                       | DG0135      | DG0135 | DG0135 | 1   |
| 25            | DISCHARGE MANIFOLD BODY               | DL1471      | DL1471 | DL1471 | 1   |
| 25a           | GASKET, NOZ BODY DISCH M              | DG0151      | DG0151 | DG0151 | 1   |
| 26            | NOZZLE BODY COVER PLATE               | DL1480      | DL1480 | DL1480 | 1   |
| 27            | COVER PLATE MANIFOLD ,                | DL1738      | DL1738 | DL1738 | 2   |
| 29            | BUSHING                               | DF0041      | DF0041 | DF0041 | 1   |
| 30            | NIPPLE                                | J89331      | J89331 | J89331 | 1   |
| 31            | DIS. SOLENOID VALVE (115v)            | DE1861      | DE1861 | DE1861 | 1   |
|               | --OR--                                |             |        |        |     |
| 31            | DIS. SOLENOID VALVE (208v / 230v)     | DE1862      | DE1862 | DE1862 | 1   |
| 32            | DIN CONNECTOR                         | DE1645      | DE1645 | DE1645 | 1   |
| 33            | CHECK VALVE ASM3 IN ,                 | DV0083      | DV0083 | DV0083 | 1   |
| 33a           | CHECK VALVE FACING ONLY               | DV0072      | DV0072 | DV0072 | 1   |
| 34            | INSERT MANIFOLD LG ,                  | DL1702      | DL1702 | DL1702 | 1   |
|               | GASKET, NOZZLE BODY 30-7              | DG0154      | DG0154 | DG0154 | 2   |
| 35            | NOZZLE BODY                           | DL1437      | DL1437 | DL1437 | 1   |
| 36            | NOZZLE                                | DL1323      | DL1334 | DL1322 | 1   |
| 37            | VENTURI                               | DL1184      | DL1174 | DL1177 | 1   |
| 38            | MANIFOLD EL 90 RED. 3X2I              | DL1710      | DL1710 | DL1710 | 1   |
| 38a           | GASKET, MANIFOLD ELBOW                | DG0141      | DG0141 | DG0141 | 1   |
| 39            | MANIFOLD EL 90 STR 3IN                | DL1706      | DL1706 | DL1706 | 1   |
| 27a & 39a & b | GASKET, MANIFOLD FLANGE               | DG0142      | DG0142 | DG0142 | 4   |
| 40            | NOZZLE RETAINING RING (or Ret. Screw) | DL1486      | DL1486 | DL1486 | 1   |

## FASTENER INFORMATION

| Where used    | Description                     | Part number | Part number | Part number | Qty / unit |
|---------------|---------------------------------|-------------|-------------|-------------|------------|
|               | CONN MALE STR 1/4OD X 1,        | DF0506      | DF0506      | DF0506      | 1          |
|               | CONN MALE STR 1/4OD X 1,        | DF0510      | DF0510      | DF0510      | 1          |
|               | ELBOW 90 MALE 1/4OD X 1,        | DF0511      | DF0511      | DF0511      | 1          |
| 10            | CAPSCREW HEX HD1/4-20UNC        | DJ0023      | DJ0023      | DJ0023      | 2          |
| 37            | CAPSCREW HEX HD5/16-18NC        | DJ0031      | DJ0031      | DJ0031      | 2          |
| 26            | CAPSCREW HEX HD3/8-16UNC        | DJ0063      | DJ0063      | DJ0063      | 4          |
| 25            | CAPSCREW HEX HD3/8-16UNC        | DJ0066      | DJ0066      | DJ0066      | 12         |
| 33            | NUT HEX STD 5/16-18UN           | DJ0226      | DJ0226      | DJ0226      | 4          |
| 37            | WASHER HOLDING 11/32IDX1        | DJ0277      | DJ0277      | DJ0277      | 2          |
| 35            | STUD BOLT 3/8-16UNX1-7/1        | DJ0471      | DJ0471      | DJ0471      | 20         |
| 24            | STUD BOLT 3/8-16UNX1-13/        | DJ0472      | DJ0472      | DJ0472      | 4          |
| Pump Mounting | STUD PUMP CASE 1/2-13NCX,       | DJ0478      | DJ0478      | DJ0478      | 16         |
| obs           | NIPPLE STD 1/4NPTX1-            | DL0021      | DL0021      | DL0021      | 1          |
| 5             | NIPPLE STD 1/4NPTX1-1/2         | DL0022      | DL0022      | DL0022      | 1          |
| obs           | NIPPLE STD 1-1/4NPTX,           | DL0097      | DL0097      | DL0097      | 1          |
| 33            | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032      | DV0032      | DV0032      | 4          |
| 1             | PLUG EQUALIZINGA711-8235,       | DV1149      | DV1149      | DV1149      | 1          |
| 28            | PLUG SQ HD 2-1/2NPT ,           | F12200      | F12200      | F12200      | 1          |
| 1             | PLUG SQ HD 1/2NPT ,             | H47900      | H47900      | H47900      | 1          |
| 1             | PLUG HEX HD 1/8NPT ,            | P39020      | P39020      | P39020      | 1          |
| 1             | PLUG HEX HD 1/4NPT ,            | P39040      | P39040      | P39040      | 5          |
| 24,38,38,39   | NUT HX STD 3/8-16UNC,           | P52380      | P52380      | P52380      | 24         |
|               | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800      | S41800      | S41800      | 1          |
| 1             | PLUG SQ HD 1NPT ,               | U19200      | U19200      | U19200      | 2          |
| Pump Mounting | NUT HEX LGT 1/2-13UNC,          | F11400      | F11400      | F11400      | 16         |
| 38 & 39       | CAPSCREW HEX HD5/16-18UN        | DJ0034      | DJ0034      | DJ0034      | 4          |
| 38 & 39       | CAPSCREW,HEX HD 3/8-16NC        | H52100      | H52100      | H52100      | 4          |
| 38 & 39       | NUT HX STD 3/8-16UNC            | P52380      | P52380      | P52380      | 4          |

Complete gasket kit - part number 180019

### 30 VLS / 30 HVS DUPLEX SPECIAL CAPACITY-3500 RPM

| Item #   | Description                           | Part number |        |        | Qty |
|----------|---------------------------------------|-------------|--------|--------|-----|
|          |                                       | 20 PSI      | 30PSI  | 40PSI  |     |
| 1        | RECEIVER ,                            | DR0274      | DR0274 | DR0274 | 1   |
| 4        | 3" INLET BASKET STRAINER ASSEM.       | DA0182      | DA0182 | DA0182 | 1   |
| 4a       | STRAINER SCREEN ONLY                  | DA0018      | DA0018 | DA0018 | 1   |
| 4b       | STRAINER COVER GASKET                 | DG0160      | DG0160 | DG0160 | 1   |
| 4c       | NIPPLE STD 3NPTX4LG                   | DL0153      | DL0153 | DL0153 | 1   |
| 6        | COMPOUND GAUGE                        | DA0114      | DA0114 | DA0114 | 1   |
| 6a       | GAGE COCK 1/4FPT                      | DV0325      | DV0325 | DV0325 | 1   |
| 7        | VACUUM BREAKER 3/4IN #26              | DA0061      | DA0061 | DA0061 | 1   |
| 8        | ANGLE THERMOMETER                     | DA0104      | DA0104 | DA0104 | 1   |
| 9a       | VALVE SET 5/8 WATER                   | DV0342      | DV0342 | DV0342 | 1   |
| 9b       | GAUGE GLASS 5/8X9                     | DV0347      | DV0347 | DV0347 | 1   |
| 9c       | GUARD ROD 3/16DIA X 11                | DV0367      | DV0367 | DV0367 | 2   |
| 11 & 12  | VACUUM SWITCH (DUPLEX)                | DE0987      | DE0987 | DE0987 | 2   |
| 14       | FLOAT SWITCH ASSEMBLY                 | DA0393      | DA0393 | DA0393 | 2   |
| 14a      | FLOAT BALL ONLY                       | DA0165      | DA0165 | DA0165 | 2   |
| 14b      | FLOAT SWITCH SEAL KIT                 | 180095      | 180095 | 180095 | 2   |
| 16       | COPPER TUBING                         | X42104      | X42104 | X42104 | 8   |
| 17 & 19  | DIS. SOLENOID VALVE (115v)            | DE1861      | DE1861 | DE1861 | 2   |
|          | --OR--                                |             |        |        |     |
| 17 & 19  | DIS. SOLENOID VALVE (208v / 230v)     | DE1862      | DE1862 | DE1862 | 2   |
| 22       | SWING CHECK VALVE                     | DV1084      | DV1084 | DV1084 | 1   |
| 24       | LIFTING EYE                           | DJ0321      | DJ0321 | DJ0321 | 2   |
| 26       | COVER PLATE DISCH MAN                 | DA0150      | DA0150 | DA0150 | 2   |
| 26a      | GASKET, DRAIN COVER FLAN              | DG0127      | DG0127 | DG0127 | 2   |
| 27       | ELBOW 90 STREET1-1/4NPT               | DF0167      | DF0167 | DF0167 | 1   |
| 28       | FLANGE BLIND                          | DF0210      | DF0210 | DF0210 | 2   |
| 28a      | FLANGE GASKET                         | DG0060      | DG0060 | DG0060 | 4   |
| 29       | BUSHING                               | DF0041      | DF0041 | DF0041 | 2   |
| 30       | NIPPLE                                | J89331      | J89331 | J89331 | 2   |
| 32       | DIN CONNECTOR                         | DE1645      | DE1645 | DE1645 | 2   |
| 33       | CHECK VALVE ASM3 IN ,                 | DV0083      | DV0083 | DV0083 | 2   |
| 33a      | CHECK VALVE FACING ONLY               | DV0072      | DV0072 | DV0072 | 2   |
| 34       | INSERT MANIFOLD LG ,                  | DL1702      | DL1702 | DL1702 | 2   |
| 35a      | GASKET, NOZZLE BODY 30-7              | DG0154      | DG0154 | DG0154 | 2   |
| 35       | NOZZLE BODY                           | DL1437      | DL1437 | DL1437 | 2   |
| 36       | NOZZLE                                | DL1323      | DL1334 | DL1322 | 2   |
| 37       | VENTURI                               | DL1184      | DL1174 | DL1177 | 2   |
| 38       | MANIFOLD EL 90 RED. 3X2I              | DL1710      | DL1710 | DL1710 | 1   |
| 38a      | GASKET, MANIFOLD ELBOW                | DG0141      | DG0141 | DG0141 | 2   |
| 39       | MANIFOLD EL 90 STR 3IN                | DL1706      | DL1706 | DL1706 | 1   |
| 27,39,41 | GASKET, MANIFOLD FLANGE               | DG0142      | DG0142 | DG0142 | 5   |
| 40       | NOZZLE RETAINING RING (or Ret. Screw) | DL1486      | DL1486 | DL1486 | 2   |
| 41       | MANIFOLD ELBOW                        | DL1712      | DL1712 | DL1712 | 1   |
| 42       | MANIFOLD ELBOW                        | DL1744      | DL1744 | DL1744 | 1   |
| 43       | PLATE AIR VENT ,                      | DL0600      | DL0600 | DL0600 | 1   |
| 43a      | GASKET, HOUSING                       | DG0135      | DG0135 | DG0135 | 1   |
| 44       | DISCHARGE MANIFOLD BODY               | DL1471      | DL1471 | DL1471 | 2   |
| 44a      | GASKET, NOZ BODY DISCH M              | DG0151      | DG0151 | DG0151 | 2   |

## FASTENER INFORMATION

| Where used    | Description                     | Part number | Part number | Part number | Qty / unit |
|---------------|---------------------------------|-------------|-------------|-------------|------------|
|               |                                 | 20 PSI      | 30 PSI      | 40 PSI      |            |
| 11 & 12       | CONN MALE STR 1/4OD X 1,        | DF0506      | DF0506      | DF0506      | 2          |
| 11 & 12       | TEE MALE RUN                    | DF0509      | DF0509      | DF0509      | 1          |
| obs           | ELBOW 90 MALE 1/4OD X 1,        | DF0511      | DF0511      | DF0511      | 2          |
| 11 & 12       | CAPSCREW HEX HD1/4-20UNC        | DJ0023      | DJ0023      | DJ0023      | 4          |
| 37            | CAPSCREW HEX HD5/16-18NC        | DJ0031      | DJ0031      | DJ0031      | 4          |
| 35            | CAPSCREW HEX HD3/8-16UNC        | DJ0063      | DJ0063      | DJ0063      | 8          |
| 44            | CAPSCREW HEX HD3/8-16UNC        | DJ0066      | DJ0066      | DJ0066      | 24         |
| 33            | NUT HEX STD 5/16-18UN           | DJ0226      | DJ0226      | DJ0226      | 8          |
| 37            | WASHER HOLDING 11/32IDX1        | DJ0277      | DJ0277      | DJ0277      | 4          |
| 35            | STUD BOLT 3/8-16UNX1-7/1        | DJ0471      | DJ0471      | DJ0471      | 20         |
| 43            | STUD BOLT 3/8-16UNX1-13/        | DJ0472      | DJ0472      | DJ0472      | 4          |
| Pump Mounting | STUD PUMP CASE 1/2-13NCX,       | DJ0478      | DJ0478      | DJ0478      | 16         |
| obs           | NIPPLE STD 1/4NPTX1-,           | DL0021      | DL0021      | DL0021      | 2          |
| 6             | NIPPLE STD 1/4NPTX1-1/2         | DL0022      | DL0022      | DL0022      | 1          |
| obs           | NIPPLE STD 1-1/4NPTX,           | DL0097      | DL0097      | DL0097      | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE1591      | DE1591      | DE1591      | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE1592      | DE1592      | DE1592      | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE0570      | DE0570      | DE0570      | 1          |
|               | LOCK NUT/ RIGID                 | P34460      | P34460      | P34460      | 12         |
|               | NIPPLE , STD                    | J89374      | J89374      | J89374      | 2          |
| 33            | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032      | DV0032      | DV0032      | 8          |
| 1             | PLUG EQUALIZINGA711-8235,       | DV1149      | DV1149      | DV1149      | 1          |
| 1             | PLUG SQ HD 1/2NPT ,             | H47900      | H47900      | H47900      | 1          |
| 1             | PLUG HEX HD 1/4NPT ,            | P39040      | P39040      | P39040      | 4          |
| 38,38,39,40   | NUT HX STD 3/8-16UNC,           | P52380      | P52380      | P52380      | 24         |
|               | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800      | S41800      | S41800      | 2          |
| 1             | PLUG SQ HD 1NPT                 | U19200      | U19200      | U19200      | 2          |
| Pump Mounting | NUT HEX LGT 1/2-13UNC,          | F11400      | F11400      | F11400      | 16         |
| 38 & 39       | CAPSCREW HEX HD5/16-18UN        | DJ0034      | DJ0034      | DJ0034      | 8          |
| 38 & 39       | CAPSCREW,HEX HD 3/8-16NC        | H52100      | H52100      | H52100      | 4          |
| 38 & 39       | NUT HX STD 3/8-16UNC            | P52380      | P52380      | P52380      | 4          |

Complete gasket kit - part number 180019 (qty 2 required)

### 30VL / 30HV SIMPLEX STANDARD CAPACITY-1750 RPM

| Item #        | Description                           | Part number |        | Qty |
|---------------|---------------------------------------|-------------|--------|-----|
|               |                                       | 20 PSI      | 30PSI  |     |
| 1             | RECEIVER ,                            | DR0274      | DR0274 | 1   |
| 3             | 3" INLET BASKET STRAINER ASSEM.       | DA0182      | DA0182 | 1   |
| 3a            | STRAINER SCREEN ONLY                  | DA0018      | DA0018 | 1   |
| 3b            | STRAINER COVER GASKET                 | DG0160      | DG0160 | 1   |
| 3c            | NIPPLE STD 3NPTX4LG                   | DL0153      | DL0153 | 1   |
| 5             | COMPOUND GAUGE                        | DA0114      | DA0114 | 1   |
| 5a            | GAGE COCK 1/4FPT                      | DV0325      | DV0325 | 1   |
| 6             | VACUUM BREAKER 3/4IN #26              | DA0061      | DA0061 | 1   |
| 7             | ANGLE THERMOMETER                     | DA0104      | DA0104 | 1   |
| 8a            | VALVE SET 5/8 WATER                   | DV0342      | DV0342 | 1   |
| 8b            | GAUGE GLASS 5/8X9                     | DV0347      | DV0347 | 1   |
| 8c            | GUARD ROD 3/16DIA X 11                | DV0367      | DV0367 | 2   |
| 10            | VACUUM SWITCH (SIMPLEX)               | DE0988      | DE0988 | 1   |
| 12            | FLOAT SWITCH ASSEMBLY                 | DA0393      | DA0393 | 1   |
| 12a           | FLOAT BALL ONLY                       | DA0165      | DA0165 | 1   |
| 12b           | FLOAT SWITCH SEAL KIT                 | 180095      | 180095 | 1   |
| 13            | COPPER TUBING                         | X42104      | X42104 | 4   |
| 17            | SWING CHECK VALVE                     | DV1084      | DV1084 | 1   |
| 19            | LIFTING EYE                           | DJ0321      | DJ0321 | 2   |
| 21            | COVER PLATE DISCH MAN                 | DA0150      | DA0150 | 1   |
| 21a           | GASKET, DRAIN COVER FLAN              | DG0127      | DG0127 | 1   |
| 22            | ELBOW 90 STREET1-1/4NPT               | DF0167      | DF0167 | 1   |
| 23            | FLANGE BLIND                          | DF0210      | DF0210 | 3   |
| 23a           | FLANGE GASKET                         | DG0060      | DG0060 | 4   |
| 24            | PLATE AIR VENT ,                      | DL0600      | DL0600 | 1   |
| 24a           | GASKET, HOUSING                       | DG0135      | DG0135 | 1   |
| 25            | DISCHARGE MANIFOLD BODY               | DL1471      | DL1471 | 1   |
| 25a           | GASKET, NOZ BODY DISCH M              | DG0151      | DG0151 | 1   |
| 26            | NOZZLE BODY COVER PLATE               | DL1480      | DL1480 | 1   |
| 27            | COVER PLATE MANIFOLD ,                | DL1738      | DL1738 | 2   |
| 29            | BUSHING                               | DF0041      | DF0041 | 1   |
| 30            | NIPPLE                                | J89331      | J89331 | 1   |
| 31            | DIS. SOLENOID VALVE (115v)            | DE1861      | DE1861 | 1   |
|               | --OR--                                |             |        |     |
| 31            | DIS. SOLENOID VALVE (208v / 230v)     | DE1862      | DE1862 | 1   |
| 32            | DIN CONNECTOR                         | DE1645      | DE1645 | 1   |
| 33            | CHECK VALVE ASM3 IN ,                 | DV0083      | DV0083 | 1   |
| 33a           | CHECK VALVE FACING ONLY               | DV0072      | DV0072 | 1   |
| 34            | INSERT MANIFOLD LG ,                  | DL1702      | DL1702 | 1   |
|               | GASKET, NOZZLE BODY 30-7              | DG0154      | DG0154 | 2   |
| 35            | NOZZLE BODY                           | DL1437      | DL1437 | 1   |
| 36            | NOZZLE                                | DL1321      | DL1320 | 1   |
| 37            | VENTURI                               | DL1193      | DL1194 | 1   |
| 38            | MANIFOLD EL 90 RED. 3X2I              | DL1710      | DL1710 | 1   |
| 38a           | GASKET, MANIFOLD ELBOW                | DG0141      | DG0141 | 1   |
| 39            | MANIFOLD EL 90 STR 3IN                | DL1706      | DL1706 | 1   |
| 27a & 39a & b | GASKET, MANIFOLD FLANGE               | DG0142      | DG0142 | 4   |
| 40            | NOZZLE RETAINING RING (or Ret. Screw) | DL1486      | DL1486 | 1   |

## FASTENER INFORMATION

| Where used    | Description                     | Part number | Part number | Qty / unit |
|---------------|---------------------------------|-------------|-------------|------------|
|               | CONN MALE STR 1/4OD X 1,        | DF0506      | DF0506      | 1          |
|               | CONN MALE STR 1/4OD X 1,        | DF0510      | DF0510      | 1          |
|               | ELBOW 90 MALE 1/4OD X 1,        | DF0511      | DF0511      | 1          |
| 10            | CAPSCREW HEX HD1/4-20UNC        | DJ0023      | DJ0023      | 2          |
| 37            | CAPSCREW HEX HD5/16-18NC        | DJ0031      | DJ0031      | 2          |
| 26            | CAPSCREW HEX HD3/8-16UNC        | DJ0063      | DJ0063      | 4          |
| 25            | CAPSCREW HEX HD3/8-16UNC        | DJ0066      | DJ0066      | 12         |
| 33            | NUT HEX STD 5/16-18UN           | DJ0226      | DJ0226      | 4          |
| 37            | WASHER HOLDING 11/32IDX1        | DJ0277      | DJ0277      | 2          |
| 35            | STUD BOLT 3/8-16UNX1-7/1        | DJ0471      | DJ0471      | 20         |
| 24            | STUD BOLT 3/8-16UNX1-13/        | DJ0472      | DJ0472      | 4          |
| Pump Mounting | STUD PUMP CASE 1/2-13NCX,       | DJ0478      | DJ0478      | 16         |
| obs           | NIPPLE STD 1/4NPTX1-,           | DL0021      | DL0021      | 1          |
| 5             | NIPPLE STD 1/4NPTX1-1/2         | DL0022      | DL0022      | 1          |
| obs           | NIPPLE STD 1-1/4NPTX,           | DL0097      | DL0097      | 1          |
| 33            | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032      | DV0032      | 4          |
| 1             | PLUG EQUALIZINGA711-8235,       | DV1149      | DV1149      | 1          |
| 28            | PLUG SQ HD 2-1/2NPT ,           | F12200      | F12200      | 1          |
| 1             | PLUG SQ HD 1/2NPT ,             | H47900      | H47900      | 1          |
| 1             | PLUG HEX HD 1/8NPT ,            | P39020      | P39020      | 1          |
| 1             | PLUG HEX HD 1/4NPT ,            | P39040      | P39040      | 5          |
| 24,38,38,39   | NUT HX STD 3/8-16UNC,           | P52380      | P52380      | 24         |
|               | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800      | S41800      | 1          |
| 1             | PLUG SQ HD 1NPT ,               | U19200      | U19200      | 2          |
| Pump Mounting | NUT HEX LGT 1/2-13UNC,          | F11400      | F11400      | 16         |
| 38 & 39       | CAPSCREW HEX HD5/16-18UN        | DJ0034      | DJ0034      | 4          |
| 38 & 39       | CAPSCREW.HEX HD 3/8-16NC        | H52100      | H52100      | 4          |
| 38 & 39       | NUT HX STD 3/8-16UNC            | P52380      | P52380      | 4          |

Complete gasket kit - part number 180019

### 30 VL / 30 HV DUPLEX STANDARD CAPACITY-1750 RPM

| Item #   | Description                           | Part number |        | Qty |
|----------|---------------------------------------|-------------|--------|-----|
|          |                                       | 20 PSI      | 30PSI  |     |
| 1        | RECEIVER ,                            | DR0274      | DR0274 | 1   |
| 4        | 3" INLET BASKET STRAINER ASSEM.       | DA0182      | DA0182 | 1   |
| 4a       | STRAINER SCREEN ONLY                  | DA0018      | DA0018 | 1   |
| 4b       | STRAINER COVER GASKET                 | DG0160      | DG0160 | 1   |
| 4c       | NIPPLE STD 3NPTX4LG                   | DL0153      | DL0153 | 1   |
| 6        | COMPOUND GAUGE                        | DA0114      | DA0114 | 1   |
| 6a       | GAGE COCK 1/4FPT                      | DV0325      | DV0325 | 1   |
| 7        | VACUUM BREAKER 3/4IN #26              | DA0061      | DA0061 | 1   |
| 8        | ANGLE THERMOMETER                     | DA0104      | DA0104 | 1   |
| 9a       | VALVE SET 5/8 WATER                   | DV0342      | DV0342 | 1   |
| 9b       | GAUGE GLASS 5/8X9                     | DV0347      | DV0347 | 1   |
| 9c       | GUARD ROD 3/16DIA X 11                | DV0367      | DV0367 | 2   |
| 11 & 12  | VACUUM SWITCH (DUPLEX)                | DE0987      | DE0987 | 2   |
| 14       | FLOAT SWITCH ASSEMBLY                 | DA0393      | DA0393 | 2   |
| 14a      | FLOAT BALL ONLY                       | DA0165      | DA0165 | 2   |
| 14b      | FLOAT SWITCH SEAL KIT                 | 180095      | 180095 | 2   |
| 16       | COPPER TUBING                         | X42104      | X42104 | 8   |
| 17 & 19  | DIS. SOLENOID VALVE (115v)            | DE1861      | DE1861 | 2   |
|          | --OR--                                |             |        |     |
| 17 & 19  | DIS. SOLENOID VALVE (208v / 230v)     | DE1862      | DE1862 | 2   |
| 22       | SWING CHECK VALVE                     | DV1084      | DV1084 | 1   |
| 24       | LIFTING EYE                           | DJ0321      | DJ0321 | 2   |
| 26       | COVER PLATE DISCH MAN                 | DA0150      | DA0150 | 2   |
| 26a      | GASKET, DRAIN COVER FLAN              | DG0127      | DG0127 | 2   |
| 27       | ELBOW 90 STREET1-1/4NPT               | DF0167      | DF0167 | 1   |
| 28       | FLANGE BLIND                          | DF0210      | DF0210 | 2   |
| 28a      | FLANGE GASKET                         | DG0060      | DG0060 | 4   |
| 29       | BUSHING                               | DF0041      | DF0041 | 2   |
| 30       | NIPPLE                                | J89331      | J89331 | 2   |
| 32       | DIN CONNECTOR                         | DE1645      | DE1645 | 2   |
| 33       | CHECK VALVE ASM3 IN ,                 | DV0083      | DV0083 | 2   |
| 33a      | CHECK VALVE FACING ONLY               | DV0072      | DV0072 | 2   |
| 34       | INSERT MANIFOLD LG ,                  | DL1702      | DL1702 | 2   |
| 35a      | GASKET, NOZZLE BODY 30-7              | DG0154      | DG0154 | 2   |
| 35       | NOZZLE BODY                           | DL1437      | DL1437 | 2   |
| 36       | NOZZLE                                | DL1321      | DL1320 | 2   |
| 37       | VENTURI                               | DL1193      | DL1194 | 2   |
| 38       | MANIFOLD EL 90 RED. 3X2I              | DL1710      | DL1710 | 1   |
| 38a      | GASKET, MANIFOLD ELBOW                | DG0141      | DG0141 | 2   |
| 39       | MANIFOLD EL 90 STR 3IN                | DL1706      | DL1706 | 1   |
| 27,39,41 | GASKET, MANIFOLD FLANGE               | DG0142      | DG0142 | 5   |
| 40       | NOZZLE RETAINING RING (or Ret. Screw) | DL1486      | DL1486 | 2   |
| 41       | MANIFOLD ELBOW                        | DL1712      | DL1712 | 1   |
| 42       | MANIFOLD ELBOW                        | DL1744      | DL1744 | 1   |
| 43       | PLATE AIR VENT ,                      | DL0600      | DL0600 | 1   |
| 43a      | GASKET, HOUSING                       | DG0135      | DG0135 | 1   |
| 44       | DISCHARGE MANIFOLD BODY               | DL1471      | DL1471 | 2   |
| 44a      | GASKET, NOZ BODY DISCH M              | DG0151      | DG0151 | 2   |

## FASTENER INFORMATION

| Where used    | Description                     | Part number |        | Qty / unit |
|---------------|---------------------------------|-------------|--------|------------|
|               |                                 | 20 PSI      | 30 PSI |            |
| 11 & 12       | CONN MALE STR 1/4OD X 1,        | DF0506      | DF0506 | 2          |
| 11 & 12       | TEE MALE RUN                    | DF0509      | DF0509 | 1          |
| obs           | ELBOW 90 MALE 1/4OD X 1,        | DF0511      | DF0511 | 2          |
| 11 & 12       | CAPSCREW HEX HD1/4-20UNC        | DJ0023      | DJ0023 | 4          |
| 37            | CAPSCREW HEX HD5/16-18NC        | DJ0031      | DJ0031 | 4          |
| 35            | CAPSCREW HEX HD3/8-16UNC        | DJ0063      | DJ0063 | 8          |
| 44            | CAPSCREW HEX HD3/8-16UNC        | DJ0066      | DJ0066 | 24         |
| 33            | NUT HEX STD 5/16-18UN           | DJ0226      | DJ0226 | 8          |
| 37            | WASHER HOLDING 11/32IDX1        | DJ0277      | DJ0277 | 4          |
| 35            | STUD BOLT 3/8-16UNX1-7/1        | DJ0471      | DJ0471 | 20         |
| 43            | STUD BOLT 3/8-16UNX1-13/        | DJ0472      | DJ0472 | 4          |
| Pump Mounting | STUD PUMP CASE 1/2-13NCX,       | DJ0478      | DJ0478 | 16         |
| obs           | NIPPLE STD 1/4NPTX1-,           | DL0021      | DL0021 | 2          |
| 6             | NIPPLE STD 1/4NPTX1-1/2         | DL0022      | DL0022 | 1          |
| obs           | NIPPLE STD 1-1/4NPTX,           | DL0097      | DL0097 | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE1591      | DE1591 | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE1592      | DE1592 | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE0570      | DE0570 | 1          |
|               | LOCK NUT/ RIGID                 | P34460      | P34460 | 12         |
|               | NIPPLE , STD                    | J89374      | J89374 | 2          |
| 33            | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032      | DV0032 | 8          |
| 1             | PLUG EQUALIZINGA711-8235,       | DV1149      | DV1149 | 1          |
| 1             | PLUG SQ HD 1/2NPT ,             | H47900      | H47900 | 1          |
| 1             | PLUG HEX HD 1/4NPT ,            | P39040      | P39040 | 4          |
| 38,38,39,40   | NUT HX STD 3/8-16UNC,           | P52380      | P52380 | 24         |
|               | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800      | S41800 | 2          |
| 1             | PLUG SQ HD 1NPT ,               | U19200      | U19200 | 2          |
| Pump Mounting | NUT HEX LGT 1/2-13UNC,          | F11400      | F11400 | 16         |
| 38 & 39       | CAPSCREW HEX HD5/16-18UN        | DJ0034      | DJ0034 | 8          |
| 38 & 39       | CAPSCREW,HEX HD 3/8-16NC        | H52100      | H52100 | 4          |
| 38 & 39       | NUT HX STD 3/8-16UNC            | P52380      | P52380 | 4          |

Complete gasket kit - part number 180019 (qty 2 required)

### 30 VLS / 30 HVS SIMPLEX SPECIAL CAPACITY-1750 RPM

| Item #        | Description                           | Part number    |                | Qty            |
|---------------|---------------------------------------|----------------|----------------|----------------|
|               |                                       | 20 PSI         | 30PSI          |                |
| 1             | RECEIVER ,                            | DR0274         | DR0274         | 1              |
| 3             | 3" INLET BASKET STRAINER ASSEM.       | DA0182         | DA0182         | 1              |
| 3a            | STRAINER SCREEN ONLY                  | DA0018         | DA0018         | 1              |
| 3b            | STRAINER COVER GASKET                 | DG0160         | DG0160         | 1              |
| 3c            | NIPPLE STD 3NPTX4LG                   | DL0153         | DL0153         | 1              |
| 5             | COMPOUND GAUGE                        | DA0114         | DA0114         | 1              |
| 5a            | GAGE COCK 1/4FPT                      | DV0325         | DV0325         | 1              |
| 6             | VACUUM BREAKER 3/4IN #26              | DA0061         | DA0061         | 1              |
| 7             | ANGLE THERMOMETER                     | DA0104         | DA0104         | 1              |
| 8a            | VALVE SET 5/8 WATER                   | DV0342         | DV0342         | 1              |
| 8b            | GAUGE GLASS 5/8X9                     | DV0347         | DV0347         | 1              |
| 8c            | GUARD ROD 3/16DIA X 11                | DV0367         | DV0367         | 2              |
| 10            | VACUUM SWITCH (SIMPLEX)               | DE0988         | DE0988         | 1              |
| 12            | FLOAT SWITCH ASSEMBLY                 | DA0393         | DA0393         | 1              |
| 12a           | FLOAT BALL ONLY                       | DA0165         | DA0165         | 1              |
| 12b           | FLOAT SWITCH SEAL KIT                 | 180095         | 180095         | 1              |
| 13            | COPPER TUBING                         | X42104         | X42104         | 4              |
| 17            | SWING CHECK VALVE                     | DV1084         | DV1084         | 1              |
| 19            | LIFTING EYE                           | DJ0321         | DJ0321         | 2              |
| 21            | COVER PLATE DISCH MAN                 | DA0150         | DA0150         | 1              |
| 21a           | GASKET, DRAIN COVER FLAN              | DG0127         | DG0127         | 1              |
| 22            | ELBOW 90 STREET1-1/4NPT               | DF0167         | DF0167         | 1              |
| 23            | FLANGE BLIND                          | DF0210         | DF0210         | 3              |
| 23a           | FLANGE GASKET                         | DG0060         | DG0060         | 4              |
| 24            | PLATE AIR VENT ,                      | DL0600         | DL0600         | 1              |
| 24a           | GASKET, HOUSING                       | DG0135         | DG0135         | 1              |
| 25            | DISCHARGE MANIFOLD BODY               | DL1471         | DL1471         | 1              |
| 25a           | GASKET, NOZ BODY DISCH M              | DG0151         | DG0151         | 1              |
| 26            | NOZZLE BODY COVER PLATE               | DL1480         | DL1480         | 1              |
| 27            | COVER PLATE MANIFOLD ,                | DL1738         | DL1738         | 2              |
| 29            | BUSHING                               | DF0041         | DF0041         | 1              |
| 30            | NIPPLE                                | J89331         | J89331         | 1              |
| 31            | DIS. SOLENOID VALVE (115v)            | DE1861         | DE1861         | 1              |
|               | --OR--                                |                |                |                |
| 31            | DIS. SOLENOID VALVE (208v / 230v)     | DE1862         | DE1862         | 1              |
| 32            | DIN CONNECTOR                         | DE1645         | DE1645         | 1              |
| 33            | CHECK VALVE ASM3 IN ,                 | DV0083         | DV0083         | 1              |
| 33a           | CHECK VALVE FACING ONLY               | DV0072         | DV0072         | 1              |
| 34            | INSERT MANIFOLD LG ,                  | DL1702         | DL1702         | 1              |
|               | GASKET, NOZZLE BODY 30-7              | DG0154         | DG0154         | 2              |
| 35            | NOZZLE BODY                           | DL1437         | DL1437         | 1              |
| 36            | NOZZLE                                | DL1317         | DL1334         | 1              |
| 37            | VENTURI                               | DL1174         | DL1176         | 1              |
| 38            | MANIFOLD EL 90 RED. 3X2I              | not applicable | not applicable | not applicable |
| 38a           | GASKET, MANIFOLD ELBOW                | not applicable | not applicable | not applicable |
|               | CASE GASKET                           | DG0070         | DG0070         | 1              |
| 39            | MANIFOLD EL 90 STR 3IN                | DL1708         | DL1708         | 1              |
| 27a & 39a & b | GASKET, MANIFOLD FLANGE               | DG0142         | DG0142         | 4              |
| 40            | NOZZLE RETAINING RING (or Ret. Screw) | DL1486         | DL1486         | 1              |

## FASTENER INFORMATION

| Where used    | Description                     | Part number    | Part number    | Qty / unit     |
|---------------|---------------------------------|----------------|----------------|----------------|
|               | CONN MALE STR 1/4OD X 1,        | DF0506         | DF0506         | 1              |
|               | CONN MALE STR 1/4OD X 1,        | DF0510         | DF0510         | 1              |
|               | ELBOW 90 MALE 1/4OD X 1,        | DF0511         | DF0511         | 1              |
| 10            | CAPSCREW HEX HD1/4-20UNC        | DJ0023         | DJ0023         | 2              |
| 37            | CAPSCREW HEX HD5/16-18NC        | DJ0031         | DJ0031         | 2              |
| 26            | CAPSCREW HEX HD3/8-16UNC        | DJ0063         | DJ0063         | 4              |
| 25            | CAPSCREW HEX HD3/8-16UNC        | DJ0066         | DJ0066         | 12             |
| 33            | NUT HEX STD 5/16-18UN           | DJ0226         | DJ0226         | 4              |
| 37            | WASHER HOLDING 11/32IDX1        | DJ0277         | DJ0277         | 2              |
| 35            | STUD BOLT 3/8-16UNX1-7/1        | DJ0471         | DJ0471         | 20             |
| 24            | STUD BOLT 3/8-16UNX1-13/        | DJ0472         | DJ0472         | 4              |
| Pump Mounting | STUD PUMP CASE 1/2-13NCX,       | DJ0478         | DJ0478         | 16             |
| obs           | NIPPLE STD 1/4NPTX1-,           | DL0021         | DL0021         | 1              |
| 5             | NIPPLE STD 1/4NPTX1-1/2         | DL0022         | DL0022         | 1              |
| obs           | NIPPLE STD 1-1/4NPTX,           | DL0097         | DL0097         | 1              |
| 33            | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032         | DV0032         | 4              |
| 1             | PLUG EQUALIZINGA711-8235,       | DV1149         | DV1149         | 1              |
| 28            | PLUG SQ HD 2-1/2NPT ,           | F12200         | F12200         | 1              |
| 1             | PLUG SQ HD 1/2NPT ,             | H47900         | H47900         | 1              |
| 1             | PLUG HEX HD 1/8NPT ,            | P39020         | P39020         | 1              |
| 1             | PLUG HEX HD 1/4NPT ,            | P39040         | P39040         | 5              |
|               | CAPSCREW 3/4-10 X 1-1/2         | P19810         | P19810         | 1              |
| 24,38,38,39   | NUT HX STD 3/8-16UNC,           | P52380         | P52380         | 24             |
|               | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800         | S41800         | 1              |
| 1             | PLUG SQ HD 1NPT ,               | U19200         | U19200         | 2              |
| Pump Mounting | NUT HEX LGT 1/2-13UNC,          | F11400         | F11400         | 16             |
| 38 & 39       | CAPSCREW HEX HD5/16-18UN        | DJ0034         | DJ0034         | 4              |
| 38 & 39       | CAPSCREW,HEX HD 3/8-16NC        | not applicable | not applicable | not applicable |
| 38 & 39       | NUT HX STD 3/8-16UNC            | not applicable | not applicable | not applicable |

Complete gasket kit - part number 180019

### 30 VLS / 30 HVS DUPLEX SPECIAL CAPACITY-1750 RPM

| Item #   | Description                           | Part number    |                | Qty |
|----------|---------------------------------------|----------------|----------------|-----|
|          |                                       | 20 PSI         | 30PSI          |     |
| 1        | RECEIVER ,                            | DR0274         | DR0274         | 1   |
| 4        | 3" INLET BASKET STRAINER ASSEM.       | DA0182         | DA0182         | 1   |
| 4a       | STRAINER SCREEN ONLY                  | DA0018         | DA0018         | 1   |
| 4b       | STRAINER COVER GASKET                 | DG0160         | DG0160         | 1   |
| 4c       | NIPPLE STD 3NPTX4LG                   | DL0153         | DL0153         | 1   |
| 6        | COMPOUND GAUGE                        | DA0114         | DA0114         | 1   |
| 6a       | GAGE COCK 1/4FPT                      | DV0325         | DV0325         | 1   |
| 7        | VACUUM BREAKER 3/4IN #26              | DA0061         | DA0061         | 1   |
| 8        | ANGLE THERMOMETER                     | DA0104         | DA0104         | 1   |
| 9a       | VALVE SET 5/8 WATER                   | DV0342         | DV0342         | 1   |
| 9b       | GAUGE GLASS 5/8X9                     | DV0347         | DV0347         | 1   |
| 9c       | GUARD ROD 3/16DIA X 11                | DV0367         | DV0367         | 2   |
| 11 & 12  | VACUUM SWITCH (DUPLEX)                | DE0987         | DE0987         | 2   |
| 14       | FLOAT SWITCH ASSEMBLY                 | DA0393         | DA0393         | 2   |
| 14a      | FLOAT BALL ONLY                       | DA0165         | DA0165         | 2   |
| 14b      | FLOAT SWITCH SEAL KIT                 | 180095         | 180095         | 2   |
| 16       | COPPER TUBING                         | X42104         | X42104         | 8   |
| 17 & 19  | DIS. SOLENOID VALVE (115v)            | DE1859         | DE1859         | 2   |
|          | --OR--                                |                |                |     |
| 17 & 19  | DIS. SOLENOID VALVE (208v / 230v)     | DE1860         | DE1860         | 2   |
| 22       | SWING CHECK VALVE                     | DV1084         | DV1084         | 1   |
| 24       | LIFTING EYE                           | DJ0321         | DJ0321         | 2   |
| 26       | COVER PLATE DISCH MAN                 | DA0150         | DA0150         | 2   |
| 26a      | GASKET, DRAIN COVER FLAN              | DG0127         | DG0127         | 2   |
| 27       | ELBOW 90 STREET1-1/4NPT               | DF0167         | DF0167         | 1   |
| 28       | FLANGE BLIND                          | DF0210         | DF0210         | 2   |
| 28a      | FLANGE GASKET                         | DG0060         | DG0060         | 4   |
| 29       | BUSHING                               | DF0040         | DF0040         | 2   |
| 30       | NIPPLE                                | DL0113         | DL0113         | 2   |
| 32       | DIN CONNECTOR                         | DE1645         | DE1645         | 2   |
| 33       | CHECK VALVE ASM3 IN ,                 | DV0083         | DV0083         | 2   |
| 33a      | CHECK VALVE FACING ONLY               | DV0072         | DV0072         | 2   |
| 34       | INSERT MANIFOLD LG ,                  | DL1702         | DL1702         | 2   |
| 35a      | GASKET, NOZZLE BODY 30-7              | DG0154         | DG0154         | 2   |
| 35       | NOZZLE BODY                           | DL1437         | DL1437         | 2   |
| 36       | NOZZLE                                | DL1317         | DL1334         | 2   |
| 37       | VENTURI                               | DL1174         | DL1176         | 2   |
| 38       | MANIFOLD EL 90 RED. 3X2I              | not applicable | not applicable | 1   |
| 38a      | GASKET, MANIFOLD ELBOW                | not applicable | not applicable | 2   |
|          | CASE GASKET                           | DG0070         | DG0070         | 2   |
| 39       | MANIFOLD EL 90 STR 3IN                | DL1708         | DL1708         | 1   |
| 27,39,41 | GASKET, MANIFOLD FLANGE               | DG0142 (qty 6) | DG0142 (qty 6) | **  |
| 40       | NOZZLE RETAINING RING (or Ret. Screw) | DL1486         | DL1486         | 2   |
| 41       | MANIFOLD ELBOW                        | DL1746         | DL1746         | 1   |
| 42       | MANIFOLD ELBOW                        | DL1744         | DL1744         | 1   |
| 43       | PLATE AIR VENT ,                      | DL0600         | DL0600         | 1   |
| 43a      | GASKET, HOUSING                       | DG0135         | DG0135         | 1   |
| 44       | DISCHARGE MANIFOLD BODY               | DL1471         | DL1471         | 2   |
| 44a      | GASKET, NOZ BODY DISCH M              | DG0151         | DG0151         | 2   |

| FASTENER INFORMATION |                                 |                |                |                |
|----------------------|---------------------------------|----------------|----------------|----------------|
| Where used           | Description                     | Part number    | Part number    | Qty / unit     |
|                      |                                 | 20 PSI         | 30 PSI         |                |
| 11 & 12              | CONN MALE STR 1/4OD X 1,        | DF0506         | DF0506         | 2              |
| 11 & 12              | TEE MALE RUN                    | DF0509         | DF0509         | 1              |
| obs                  | ELBOW 90 MALE 1/4OD X 1,        | DF0511         | DF0511         | 2              |
| 11 & 12              | CAPSCREW HEX HD1/4-20UNC        | DJ0023         | DJ0023         | 4              |
| 37                   | CAPSCREW HEX HD5/16-18NC        | DJ0031         | DJ0031         | 4              |
| 35                   | CAPSCREW HEX HD3/8-16UNC        | DJ0063         | DJ0063         | 8              |
| 44                   | CAPSCREW HEX HD3/8-16UNC        | DJ0066         | DJ0066         | 24             |
| 33                   | NUT HEX STD 5/16-18UN           | DJ0226         | DJ0226         | 8              |
| 37                   | WASHER HOLDING 11/32IDX1        | DJ0277         | DJ0277         | 4              |
| 35                   | STUD BOLT 3/8-16UNX1-7/1        | DJ0471         | DJ0471         | 20             |
| 43                   | STUD BOLT 3/8-16UNX1-13/        | DJ0472         | DJ0472         | 4              |
| Pump Mounting        | STUD PUMP CASE 1/2-13NCX,       | DJ0478         | DJ0478         | 16             |
| obs                  | NIPPLE STD 1/4NPTX1-,           | DL0021         | DL0021         | 2              |
| 6                    | NIPPLE STD 1/4NPTX1-1/2         | DL0022         | DL0022         | 1              |
| obs                  | NIPPLE STD 1-1/4NPTX,           | DL0097         | DL0097         | 1              |
| 11,12,14             | NIPPLE, RIGID                   | DE1591         | DE1591         | 1              |
| 11,12,14             | NIPPLE, RIGID                   | DE1592         | DE1592         | 1              |
| 11,12,14             | NIPPLE, RIGID                   | DE0570         | DE0570         | 1              |
|                      | LOCK NUT/ RIGID                 | P34460         | P34460         | 12             |
|                      | NIPPLE , STD                    | J89374         | J89374         | 2              |
| 33                   | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032         | DV0032         | 8              |
| 1                    | PLUG EQUALIZINGA711-8235,       | DV1149         | DV1149         | 1              |
| 1                    | PLUG SQ HD 1/2NPT ,             | H47900         | H47900         | 1              |
| 1                    | PLUG HEX HD 1/4NPT ,            | P39040         | P39040         | 4              |
|                      | CAPSCREW 3/4-10 X 1-1/2         | P19810         | P19810         | 2              |
| 38,38,39,40          | NUT HX STD 3/8-16UNC,           | P52380         | P52380         | 24             |
|                      | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800         | S41800         | 2              |
| 1                    | PLUG SQ HD 1NPT ,               | U19200         | U19200         | 2              |
| Pump Mounting        | NUT HEX LGT 1/2-13UNC,          | F11400         | F11400         | 16             |
| 38 & 39              | CAPSCREW HEX HD5/16-18UN        | not applicable | not applicable | not applicable |
| 38 & 39              | CAPSCREW,HEX HD 3/8-16NC        | not applicable | not applicable | not applicable |
| 38 & 39              | NUT HX STD 3/8-16UNC            | not applicable | not applicable | not applicable |

Complete gasket kit - part number 180019 (qty 2 required)

## 40 VL / 40 HV SIMPLEX

### STANDARD CAPACITY- 3500 RPM

| Item #        | Description                           | Part number |        |          | Qty |
|---------------|---------------------------------------|-------------|--------|----------|-----|
|               |                                       | 20 PSI      | 30PSI  | 40PSI    |     |
| 1             | RECEIVER ,                            | DR0274      | DR0274 | DR0274   | 1   |
| 3             | 3" INLET BASKET STRAINER ASSEM.       | DA0182      | DA0182 | DA0182   | 1   |
| 3a            | STRAINER SCREEN ONLY                  | DA0018      | DA0018 | DA0018   | 1   |
| 3b            | STRAINER COVER GASKET                 | DG0160      | DG0160 | DG0160   | 1   |
| 3c            | NIPPLE STD 3NPTX4LG                   | DL0153      | DL0153 | DL0153   | 1   |
| 5             | COMPOUND GAUGE                        | DA0114      | DA0114 | DA0114   | 1   |
| 5a            | GAGE COCK 1/4FPT                      | DV0325      | DV0325 | DV0325   | 1   |
| 6             | VACUUM BREAKER 3/4IN #26              | DA0061      | DA0061 | DA0061   | 1   |
| 7             | ANGLE THERMOMETER                     | DA0104      | DA0104 | DA0104   | 1   |
| 8a            | VALVE SET 5/8 WATER                   | DV0342      | DV0342 | DV0342   | 1   |
| 8b            | GAUGE GLASS 5/8X9                     | DV0347      | DV0347 | DV0347   | 1   |
| 8c            | GUARD ROD 3/16DIA X 11                | DV0367      | DV0367 | DV0367   | 2   |
| 10            | VACUUM SWITCH (SIMPLEX)               | DE0988      | DE0988 | DE0988   | 1   |
| 12            | FLOAT SWITCH ASSEMBLY                 | DA0393      | DA0393 | DA0393   | 1   |
| 12a           | FLOAT BALL ONLY                       | DA0165      | DA0165 | DA0165   | 1   |
| 12b           | FLOAT SWITCH SEAL KIT                 | 180095      | 180095 | 180095   | 1   |
| 13            | COPPER TUBING                         | X42104      | X42104 | X42104   | 4   |
| 17            | SWING CHECK VALVE                     | DV1084      | DV1084 | DV1084   | 1   |
| 19            | LIFTING EYE                           | DJ0321      | DJ0321 | DJ0321   | 2   |
| 21            | COVER PLATE DISCH MAN                 | DA0150      | DA0150 | DA0150   | 1   |
| 21a           | GASKET, DRAIN COVER FLAN              | DG0127      | DG0127 | DG0127   | 1   |
| 22            | ELBOW 90 STREET1-1/4NPT               | DF0167      | DF0167 | DF0167   | 1   |
| 23            | FLANGE BLIND                          | DF0210      | DF0210 | DF0210   | 3   |
| 23a           | FLANGE GASKET                         | DG0060      | DG0060 | DG0060   | 4   |
| 24            | PLATE AIR VENT ,                      | DL0600      | DL0600 | DL0600   | 1   |
| 24a           | GASKET, HOUSING                       | DG0135      | DG0135 | DG0135   | 1   |
| 25            | DISCHARGE MANIFOLD BODY               | DL1471      | DL1471 | DL1471   | 1   |
| 25a           | GASKET, NOZ BODY DISCH M              | DG0151      | DG0151 | DG0151   | 1   |
| 26            | NOZZLE BODY COVER PLATE               | DL1480      | DL1480 | DL1480   | 1   |
| 27            | COVER PLATE MANIFOLD ,                | DL1738      | DL1738 | DL1738   | 2   |
| 29            | BUSHING                               | DF0041      | DF0041 | DF0041   | 1   |
| 30            | NIPPLE                                | J89331      | J89331 | J89331   | 1   |
| 31            | DIS. SOLENOID VALVE (115v)            | DE1861      | DE1859 | DE1859   | 1   |
|               | --OR--                                |             |        |          |     |
| 31            | DIS. SOLENOID VALVE (208v / 230v)     | DE1862      | DE1862 | DE1862   | 1   |
| 32            | DIN CONNECTOR                         | DE1645      | DE1645 | DE1645   | 1   |
| 33            | CHECK VALVE ASM3 IN ,                 | DV0083      | DV0083 | DV0083   | 1   |
| 33a           | CHECK VALVE FACING ONLY               | DV0072      | DV0072 | DV0072   | 1   |
| 34            | INSERT MANIFOLD LG ,                  | DL1702      | DL1702 | DL1702   | 1   |
|               | GASKET, NOZZLE BODY 30-7              | DG0154      | DG0154 | DG0154   | 2   |
| 35            | NOZZLE BODY                           | DL1437      | DL1437 | DL1436   | 1   |
| 36            | NOZZLE                                | DL1334      | DL1342 | DL1363   | 1   |
| 37            | VENTURI                               | DL1192      | DL1193 | DL1116   | 1   |
| 38            | MANIFOLD EL 90 RED. 3X2I              | DL1710      | DL1710 | DL1710   | 1   |
| 38a           | GASKET, MANIFOLD ELBOW                | DG0141      | DG0141 | DG0141   | 1   |
| 39            | MANIFOLD EL 90 STR 3IN                | DL1706      | DL1706 | DL1706   | 1   |
| 27a & 39a & b | GASKET, MANIFOLD FLANGE               | DG0142      | DG0142 | DG0142   | 4   |
| 40            | NOZZLE RETAINING RING (or Ret. Screw) | DL1486      | DL1486 | (P03840) | 1   |

## FASTENER INFORMATION

| Where used    | Description                     | Part number | Part number | Part number | Qty / unit |
|---------------|---------------------------------|-------------|-------------|-------------|------------|
|               | CONN MALE STR 1/4OD X 1,        | DF0506      | DF0506      | DF0506      | 1          |
|               | CONN MALE STR 1/4OD X 1,        | DF0510      | DF0510      | DF0510      | 1          |
|               | ELBOW 90 MALE 1/4OD X 1,        | DF0511      | DF0511      | DF0511      | 1          |
| 10            | CAPSCREW HEX HD1/4-20UNC        | DJ0023      | DJ0023      | DJ0023      | 2          |
| 37            | CAPSCREW HEX HD5/16-18NC        | DJ0031      | DJ0031      | DJ0031      | 2          |
| 26            | CAPSCREW HEX HD3/8-16UNC        | DJ0063      | DJ0063      | DJ0063      | 4          |
| 25            | CAPSCREW HEX HD3/8-16UNC        | DJ0066      | DJ0066      | DJ0066      | 12         |
| 33            | NUT HEX STD 5/16-18UN           | DJ0226      | DJ0226      | DJ0226      | 4          |
| 37            | WASHER HOLDING 11/32IDX1        | DJ0277      | DJ0277      | DJ0277      | 2          |
| 35            | STUD BOLT 3/8-16UNX1-7/1        | DJ0471      | DJ0471      | DJ0471      | 20         |
| 24            | STUD BOLT 3/8-16UNX1-13/        | DJ0472      | DJ0472      | DJ0472      | 4          |
| Pump Mounting | STUD PUMP CASE 1/2-13NCX,       | DJ0478      | DJ0478      | DJ0478      | 16         |
| obs           | NIPPLE STD 1/4NPTX1-            | DL0021      | DL0021      | DL0021      | 1          |
| 5             | NIPPLE STD 1/4NPTX1-1/2         | DL0022      | DL0022      | DL0022      | 1          |
| obs           | NIPPLE STD 1-1/4NPTX,           | DL0097      | DL0097      | DL0097      | 1          |
| 33            | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032      | DV0032      | DV0032      | 4          |
| 1             | PLUG EQUALIZINGA711-8235,       | DV1149      | DV1149      | DV1149      | 1          |
| 28            | PLUG SQ HD 2-1/2NPT ,           | F12200      | F12200      | F12200      | 1          |
| 1             | PLUG SQ HD 1/2NPT ,             | H47900      | H47900      | H47900      | 1          |
| 1             | PLUG HEX HD 1/8NPT ,            | P39020      | P39020      | P39020      | 1          |
| 1             | PLUG HEX HD 1/4NPT ,            | P39040      | P39040      | P39040      | 5          |
| 24,38,38,39   | NUT HX STD 3/8-16UNC,           | P52380      | P52380      | P52380      | 24         |
|               | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800      | S41800      | S41800      | 1          |
| 1             | PLUG SQ HD 1NPT ,               | U19200      | U19200      | U19200      | 2          |
| Pump Mounting | NUT HEX LGT 1/2-13UNC,          | F11400      | F11400      | F11400      | 16         |
| 38 & 39       | CAPSCREW HEX HD5/16-18UN        | DJ0034      | DJ0034      | DJ0034      | 4          |
| 38 & 39       | CAPSCREW,HEX HD 3/8-16NC        | H52100      | H52100      | H52100      | 4          |
| 38 & 39       | NUT HX STD 3/8-16UNC            | P52380      | P52380      | P52380      | 4          |

Complete gasket kit - part number 180019

## 40 VL / 40 HV DUPLEX STANDARD CAPACITY- 3500 RPM

| Item #   | Description                           | Part number |        |          | Qty |
|----------|---------------------------------------|-------------|--------|----------|-----|
|          |                                       | 20 PSI      | 30PSI  | 40PSI    |     |
| 1        | RECEIVER ,                            | DR0274      | DR0274 | DR0274   | 1   |
| 4        | 3" INLET BASKET STRAINER ASSEM.       | DA0182      | DA0182 | DA0182   | 1   |
| 4a       | STRAINER SCREEN ONLY                  | DA0018      | DA0018 | DA0018   | 1   |
| 4b       | STRAINER COVER GASKET                 | DG0160      | DG0160 | DG0160   | 1   |
| 4c       | NIPPLE STD 3NPTX4LG                   | DL0153      | DL0153 | DL0153   | 1   |
| 6        | COMPOUND GAUGE                        | DA0114      | DA0114 | DA0114   | 1   |
| 6a       | GAGE COCK 1/4FPT                      | DV0325      | DV0325 | DV0325   | 1   |
| 7        | VACUUM BREAKER 3/4IN #26              | DA0061      | DA0061 | DA0061   | 1   |
| 8        | ANGLE THERMOMETER                     | DA0104      | DA0104 | DA0104   | 1   |
| 9a       | VALVE SET 5/8 WATER                   | DV0342      | DV0342 | DV0342   | 1   |
| 9b       | GAUGE GLASS 5/8X9                     | DV0347      | DV0347 | DV0347   | 1   |
| 9c       | GUARD ROD 3/16DIA X 11                | DV0367      | DV0367 | DV0367   | 2   |
| 11 & 12  | VACUUM SWITCH (DUPLEX)                | DE0987      | DE0987 | DE0987   | 2   |
| 14       | FLOAT SWITCH ASSEMBLY                 | DA0393      | DA0393 | DA0393   | 2   |
| 14a      | FLOAT BALL ONLY                       | DA0165      | DA0165 | DA0165   | 2   |
| 14b      | FLOAT SWITCH SEAL KIT                 | 180095      | 180095 | 180095   | 2   |
| 16       | COPPER TUBING                         | X42104      | X42104 | X42104   | 8   |
| 17 & 19  | DIS. SOLENOID VALVE (115v)            | DE1861      | DE1861 | DE1861   | 2   |
|          | --OR--                                |             |        |          |     |
| 17 & 19  | DIS. SOLENOID VALVE (208v / 230v)     | DE1862      | DE1862 | DE1862   | 2   |
| 22       | SWING CHECK VALVE                     | DV1084      | DV1084 | DV1084   | 1   |
| 24       | LIFTING EYE                           | DJ0321      | DJ0321 | DJ0321   | 2   |
| 26       | COVER PLATE DISCH MAN                 | DA0150      | DA0150 | DA0150   | 2   |
| 26a      | GASKET, DRAIN COVER FLAN              | DG0127      | DG0127 | DG0127   | 2   |
| 27       | ELBOW 90 STREET1-1/4NPT               | DF0167      | DF0167 | DF0167   | 1   |
| 28       | FLANGE BLIND                          | DF0210      | DF0210 | DF0210   | 2   |
| 28a      | FLANGE GASKET                         | DG0060      | DG0060 | DG0060   | 4   |
| 29       | BUSHING                               | DF0041      | DF0041 | DF0041   | 2   |
| 30       | NIPPLE                                | J89331      | J89331 | J89331   | 2   |
| 32       | DIN CONNECTOR                         | DE1645      | DE1645 | DE1645   | 2   |
| 33       | CHECK VALVE ASM3 IN ,                 | DV0083      | DV0083 | DV0083   | 2   |
| 33a      | CHECK VALVE FACING ONLY               | DV0072      | DV0072 | DV0072   | 2   |
| 34       | INSERT MANIFOLD LG ,                  | DL1702      | DL1702 | DL1702   | 2   |
| 35a      | GASKET, NOZZLE BODY 30-7              | DG0154      | DG0154 | DG0154   | 2   |
| 35       | NOZZLE BODY                           | DL1437      | DL1437 | DL1436   | 2   |
| 36       | NOZZLE                                | DL1334      | DL1342 | DL1363   | 2   |
| 37       | VENTURI                               | DL1192      | DL1193 | DL1116   | 2   |
| 38       | MANIFOLD EL 90 RED. 3X2I              | DL1710      | DL1710 | DL1710   | 1   |
| 38a      | GASKET, MANIFOLD ELBOW                | DG0141      | DG0141 | DG0141   | 2   |
| 39       | MANIFOLD EL 90 STR 3IN                | DL1706      | DL1706 | DL1706   | 1   |
| 27,39,41 | GASKET, MANIFOLD FLANGE               | DG0142      | DG0142 | DG0142   | 5   |
| 40       | NOZZLE RETAINING RING (or Ret. Screw) | DL1486      | DL1486 | (P03840) | 2   |
| 41       | MANIFOLD ELBOW                        | DL1712      | DL1712 | DL1712   | 1   |
| 42       | MANIFOLD ELBOW                        | DL1744      | DL1744 | DL1744   | 1   |
| 43       | PLATE AIR VENT ,                      | DL0600      | DL0600 | DL0600   | 1   |
| 43a      | GASKET, HOUSING                       | DG0135      | DG0135 | DG0135   | 1   |
| 44       | DISCHARGE MANIFOLD BODY               | DL1471      | DL1471 | DL1471   | 2   |
| 44a      | GASKET, NOZ BODY DISCH M              | DG0151      | DG0151 | DG0151   | 2   |

## FASTENER INFORMATION

| Where used    | Description                     | Part number | Part number | Part number | Qty / unit |
|---------------|---------------------------------|-------------|-------------|-------------|------------|
|               |                                 | 20 PSI      | 30 PSI      | 40 PSI      |            |
| 11 & 12       | CONN MALE STR 1/4OD X 1,        | DF0506      | DF0506      | DF0506      | 2          |
| 11 & 12       | TEE MALE RUN                    | DF0509      | DF0509      | DF0509      | 1          |
| obs           | ELBOW 90 MALE 1/4OD X 1,        | DF0511      | DF0511      | DF0511      | 2          |
| 11 & 12       | CAPSCREW HEX HD1/4-20UNC        | DJ0023      | DJ0023      | DJ0023      | 4          |
| 37            | CAPSCREW HEX HD5/16-18NC        | DJ0031      | DJ0031      | DJ0031      | 4          |
| 35            | CAPSCREW HEX HD3/8-16UNC        | DJ0063      | DJ0063      | DJ0063      | 8          |
| 44            | CAPSCREW HEX HD3/8-16UNC        | DJ0066      | DJ0066      | DJ0066      | 24         |
| 33            | NUT HEX STD 5/16-18UN           | DJ0226      | DJ0226      | DJ0226      | 8          |
| 37            | WASHER HOLDING 11/32IDX1        | DJ0277      | DJ0277      | DJ0277      | 4          |
| 35            | STUD BOLT 3/8-16UNX1-7/1        | DJ0471      | DJ0471      | DJ0471      | 20         |
| 43            | STUD BOLT 3/8-16UNX1-13/        | DJ0472      | DJ0472      | DJ0472      | 4          |
| Pump Mounting | STUD PUMP CASE 1/2-13NCX,       | DJ0478      | DJ0478      | DJ0478      | 16         |
| obs           | NIPPLE STD 1/4NPTX1-,           | DL0021      | DL0021      | DL0021      | 2          |
| 6             | NIPPLE STD 1/4NPTX1-1/2         | DL0022      | DL0022      | DL0022      | 1          |
| obs           | NIPPLE STD 1-1/4NPTX,           | DL0097      | DL0097      | DL0097      | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE1591      | DE1591      | DE1591      | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE1592      | DE1592      | DE1592      | 1          |
| 11,12,14      | NIPPLE, RIGID                   | DE0570      | DE0570      | DE0570      | 1          |
|               | LOCK NUT/ RIGID                 | P34460      | P34460      | P34460      | 12         |
|               | NIPPLE , STD                    | J89374      | J89374      | J89374      | 2          |
| 33            | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032      | DV0032      | DV0032      | 8          |
| 1             | PLUG EQUALIZINGA711-8235,       | DV1149      | DV1149      | DV1149      | 1          |
| 1             | PLUG SQ HD 1/2NPT ,             | H47900      | H47900      | H47900      | 1          |
| 1             | PLUG HEX HD 1/4NPT ,            | P39040      | P39040      | P39040      | 4          |
| 38,38,39,40   | NUT HX STD 3/8-16UNC,           | P52380      | P52380      | P52380      | 24         |
|               | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800      | S41800      | S41800      | 2          |
| 1             | PLUG SQ HD 1NPT ,               | U19200      | U19200      | U19200      | 2          |
| Pump Mounting | NUT HEX LGT 1/2-13UNC,          | F11400      | F11400      | F11400      | 16         |
| 38 & 39       | CAPSCREW HEX HD5/16-18UN        | DJ0034      | DJ0034      | DJ0034      | 8          |
| 38 & 39       | CAPSCREW,HEX HD 3/8-16NC        | H52100      | H52100      | H52100      | 4          |
| 38 & 39       | NUT HX STD 3/8-16UNC            | P52380      | P52380      | P52380      | 4          |

Complete gasket kit - part number 180019 (qty 2 required)

## 40 VL / 40 HV SIMPLEX STANDARD CAPACITY- 1750 RPM

| Item #        | Description                           | Part number    |                | Qty            |
|---------------|---------------------------------------|----------------|----------------|----------------|
|               |                                       | 20 PSI         | 30PSI          |                |
| 1             | RECEIVER ,                            | DR0274         | DR0274         | 1              |
| 3             | 3" INLET BASKET STRAINER ASSEM.       | DA0182         | DA0182         | 1              |
| 3a            | STRAINER SCREEN ONLY                  | DA0018         | DA0018         | 1              |
| 3b            | STRAINER COVER GASKET                 | DG0160         | DG0160         | 1              |
| 3c            | NIPPLE STD 3NPTX4LG                   | DL0153         | DL0153         | 1              |
| 5             | COMPOUND GAUGE                        | DA0114         | DA0114         | 1              |
| 5a            | GAGE COCK 1/4FPT                      | DV0325         | DV0325         | 1              |
| 6             | VACUUM BREAKER 3/4IN #26              | DA0061         | DA0061         | 1              |
| 7             | ANGLE THERMOMETER                     | DA0104         | DA0104         | 1              |
| 8a            | VALVE SET 5/8 WATER                   | DV0342         | DV0342         | 1              |
| 8b            | GAUGE GLASS 5/8X9                     | DV0347         | DV0347         | 1              |
| 8c            | GUARD ROD 3/16DIA X 11                | DV0367         | DV0367         | 2              |
| 10            | VACUUM SWITCH (SIMPLEX)               | DE0988         | DE0988         | 1              |
| 12            | FLOAT SWITCH ASSEMBLY                 | DA0393         | DA0393         | 1              |
| 12a           | FLOAT BALL ONLY                       | DA0165         | DA0165         | 1              |
| 12b           | FLOAT SWITCH SEAL KIT                 | 180095         | 180095         | 1              |
| 13            | COPPER TUBING                         | X42104         | X42104         | 4              |
| 17            | SWING CHECK VALVE                     | DV1084         | DV1084         | 1              |
| 19            | LIFTING EYE                           | DJ0321         | DJ0321         | 2              |
| 21            | COVER PLATE DISCH MAN                 | DA0150         | DA0150         | 1              |
| 21a           | GASKET, DRAIN COVER FLAN              | DG0127         | DG0127         | 1              |
| 22            | ELBOW 90 STREET1-1/4NPT               | DF0167         | DF0167         | 1              |
| 23            | FLANGE BLIND                          | DF0210         | DF0210         | 3              |
| 23a           | FLANGE GASKET                         | DG0060         | DG0060         | 4              |
| 24            | PLATE AIR VENT ,                      | DL0600         | DL0600         | 1              |
| 24a           | GASKET, HOUSING                       | DG0135         | DG0135         | 1              |
| 25            | DISCHARGE MANIFOLD BODY               | DL1471         | DL1471         | 1              |
| 25a           | GASKET, NOZ BODY DISCH M              | DG0151         | DG0151         | 1              |
| 26            | NOZZLE BODY COVER PLATE               | DL1480         | DL1480         | 1              |
| 27            | COVER PLATE MANIFOLD ,                | DL1738         | DL1738         | 2              |
| 29            | BUSHING                               | DF0041         | DF0041         | 1              |
| 30            | NIPPLE                                | J89331         | J89331         | 1              |
| 31            | DIS. SOLENOID VALVE (115v)            | DE1861         | DE1859         | 1              |
|               | --OR--                                |                |                |                |
| 31            | DIS. SOLENOID VALVE (208v / 230v)     | DE1862         | DE1862         | 1              |
| 32            | DIN CONNECTOR                         | DE1645         | DE1645         | 1              |
| 33            | CHECK VALVE ASM3 IN ,                 | DV0083         | DV0083         | 1              |
| 33a           | CHECK VALVE FACING ONLY               | DV0072         | DV0072         | 1              |
| 34            | INSERT MANIFOLD LG ,                  | DL1702         | DL1702         | 1              |
|               | GASKET, NOZZLE BODY 30-7              | DG0154         | DG0154         | 2              |
| 35            | NOZZLE BODY                           | DL1437         | DL1437         | 1              |
| 36            | NOZZLE                                | DL1337         | DL1342         | 1              |
| 37            | VENTURI                               | DL1192         | DL1193         | 1              |
| 38            | MANIFOLD EL 90 RED. 3X2I              | not applicable | not applicable | not applicable |
| 38a           | GASKET, MANIFOLD ELBOW                | not applicable | not applicable | not applicable |
|               | CASE GASKET                           | DG0070         | DG0070         | 1              |
| 39            | MANIFOLD EL 90 STR 3IN                | DL1708         | DL1708         | 1              |
| 27a & 39a & b | GASKET, MANIFOLD FLANGE               | DG0142         | DG0142         | 4              |
| 40            | NOZZLE RETAINING RING (or Ret. Screw) | DL1486         | DL1486         | 1              |

## FASTENER INFORMATION

| Where used    | Description                     | Part number    | Part number    | Qty / unit     |
|---------------|---------------------------------|----------------|----------------|----------------|
|               | CONN MALE STR 1/4OD X 1,        | DF0506         | DF0506         | 1              |
|               | CONN MALE STR 1/4OD X 1,        | DF0510         | DF0510         | 1              |
|               | ELBOW 90 MALE 1/4OD X 1,        | DF0511         | DF0511         | 1              |
| 10            | CAPSCREW HEX HD1/4-20UNC        | DJ0023         | DJ0023         | 2              |
| 37            | CAPSCREW HEX HD5/16-18NC        | DJ0031         | DJ0031         | 2              |
| 26            | CAPSCREW HEX HD3/8-16UNC        | DJ0063         | DJ0063         | 4              |
| 25            | CAPSCREW HEX HD3/8-16UNC        | DJ0066         | DJ0066         | 12             |
| 33            | NUT HEX STD 5/16-18UN           | DJ0226         | DJ0226         | 4              |
| 37            | WASHER HOLDING 11/32IDX1        | DJ0277         | DJ0277         | 2              |
| 35            | STUD BOLT 3/8-16UNX1-7/1        | DJ0471         | DJ0471         | 20             |
| 24            | STUD BOLT 3/8-16UNX1-13/        | DJ0472         | DJ0472         | 4              |
| Pump Mounting | STUD PUMP CASE 1/2-13NCX,       | DJ0478         | DJ0478         | 16             |
| obs           | NIPPLE STD 1/4NPTX1-,           | DL0021         | DL0021         | 1              |
| 5             | NIPPLE STD 1/4NPTX1-1/2         | DL0022         | DL0022         | 1              |
| obs           | NIPPLE STD 1-1/4NPTX,           | DL0097         | DL0097         | 1              |
| 33            | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032         | DV0032         | 4              |
| 1             | PLUG EQUALIZINGA711-8235,       | DV1149         | DV1149         | 1              |
| 28            | PLUG SQ HD 2-1/2NPT ,           | F12200         | F12200         | 1              |
| 1             | PLUG SQ HD 1/2NPT ,             | H47900         | H47900         | 1              |
| 1             | PLUG HEX HD 1/8NPT ,            | P39020         | P39020         | 1              |
| 1             | PLUG HEX HD 1/4NPT ,            | P39040         | P39040         | 5              |
|               | CAPSCREW 3/4-10 X 1-1/2         | P19810         | P19810         | 1              |
| 24,38,38,39   | NUT HX STD 3/8-16UNC,           | P52380         | P52380         | 24             |
|               | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800         | S41800         | 1              |
| 1             | PLUG SQ HD 1NPT ,               | U19200         | U19200         | 2              |
| Pump Mounting | NUT HEX LGT 1/2-13UNC,          | F11400         | F11400         | 16             |
| 38 & 39       | CAPSCREW HEX HD5/16-18UN        | DJ0034         | DJ0034         | 4              |
| 38 & 39       | CAPSCREW,HEX HD 3/8-16NC        | not applicable | not applicable | not applicable |
| 38 & 39       | NUT HX STD 3/8-16UNC            | not applicable | not applicable | not applicable |

Complete gasket kit - part number 180019

## 40 VL / 40 HV DUPLEX STANDARD CAPACITY- 1750 RPM

| Item #   | Description                           | Part number    |                | Qty |
|----------|---------------------------------------|----------------|----------------|-----|
|          |                                       | 20 PSI         | 30PSI          |     |
| 1        | RECEIVER ,                            | DR0274         | DR0274         | 1   |
| 4        | 3" INLET BASKET STRAINER ASSEM.       | DA0182         | DA0182         | 1   |
| 4a       | STRAINER SCREEN ONLY                  | DA0018         | DA0018         | 1   |
| 4b       | STRAINER COVER GASKET                 | DG0160         | DG0160         | 1   |
| 4c       | NIPPLE STD 3NPTX4LG                   | DL0153         | DL0153         | 1   |
| 6        | COMPOUND GAUGE                        | DA0114         | DA0114         | 1   |
| 6a       | GAGE COCK 1/4FPT                      | DV0325         | DV0325         | 1   |
| 7        | VACUUM BREAKER 3/4IN #26              | DA0061         | DA0061         | 1   |
| 8        | ANGLE THERMOMETER                     | DA0104         | DA0104         | 1   |
| 9a       | VALVE SET 5/8 WATER                   | DV0342         | DV0342         | 1   |
| 9b       | GAUGE GLASS 5/8X9                     | DV0347         | DV0347         | 1   |
| 9c       | GUARD ROD 3/16DIA X 11                | DV0367         | DV0367         | 2   |
| 11 & 12  | VACUUM SWITCH (DUPLEX)                | DE0987         | DE0987         | 2   |
| 14       | FLOAT SWITCH ASSEMBLY                 | DA0393         | DA0393         | 2   |
| 14a      | FLOAT BALL ONLY                       | DA0165         | DA0165         | 2   |
| 14b      | FLOAT SWITCH SEAL KIT                 | 180095         | 180095         | 2   |
| 16       | COPPER TUBING                         | X42104         | X42104         | 8   |
| 17 & 19  | DIS. SOLENOID VALVE (115v)            | DE1859         | DE1859         | 2   |
|          | --OR--                                |                |                |     |
| 17 & 19  | DIS. SOLENOID VALVE (208v / 230v)     | DE1860         | DE1860         | 2   |
| 22       | SWING CHECK VALVE                     | DV1084         | DV1084         | 1   |
| 24       | LIFTING EYE                           | DJ0321         | DJ0321         | 2   |
| 26       | COVER PLATE DISCH MAN                 | DA0150         | DA0150         | 2   |
| 26a      | GASKET, DRAIN COVER FLAN              | DG0127         | DG0127         | 2   |
| 27       | ELBOW 90 STREET1-1/4NPT               | DF0167         | DF0167         | 1   |
| 28       | FLANGE BLIND                          | DF0210         | DF0210         | 2   |
| 28a      | FLANGE GASKET                         | DG0060         | DG0060         | 4   |
| 29       | BUSHING                               | DF0040         | DF0040         | 2   |
| 30       | NIPPLE                                | DL0113         | DL0113         | 2   |
| 32       | DIN CONNECTOR                         | DE1645         | DE1645         | 2   |
| 33       | CHECK VALVE ASM3 IN ,                 | DV0083         | DV0083         | 2   |
| 33a      | CHECK VALVE FACING ONLY               | DV0072         | DV0072         | 2   |
| 34       | INSERT MANIFOLD LG ,                  | DL1702         | DL1702         | 2   |
| 35a      | GASKET, NOZZLE BODY 30-7              | DG0154         | DG0154         | 2   |
| 35       | NOZZLE BODY                           | DL1437         | DL1437         | 2   |
| 36       | NOZZLE                                | DL1337         | DL1342         | 2   |
| 37       | VENTURI                               | DL1192         | DL1193         | 2   |
| 38       | MANIFOLD EL 90 RED. 3X2I              | not applicable | not applicable | 1   |
| 38a      | GASKET, MANIFOLD ELBOW                | not applicable | not applicable | 2   |
|          | CASE GASKET                           | DG0070         | DG0070         | 2   |
| 39       | MANIFOLD EL 90 STR 3IN                | DL1708         | DL1708         | 1   |
| 27,39,41 | GASKET, MANIFOLD FLANGE               | DG0142 (qty 6) | DG0142 (qty 6) | **  |
| 40       | NOZZLE RETAINING RING (or Ret. Screw) | DL1486         | DL1486         | 2   |
| 41       | MANIFOLD ELBOW                        | DL1746         | DL1746         | 1   |
| 42       | MANIFOLD ELBOW                        | DL1744         | DL1744         | 1   |
| 43       | PLATE AIR VENT ,                      | DL0600         | DL0600         | 1   |
| 43a      | GASKET, HOUSING                       | DG0135         | DG0135         | 1   |
| 44       | DISCHARGE MANIFOLD BODY               | DL1471         | DL1471         | 2   |
| 44a      | GASKET, NOZ BODY DISCH M              | DG0151         | DG0151         | 2   |

| FASTENER INFORMATION |                                 |                |                |                |
|----------------------|---------------------------------|----------------|----------------|----------------|
| Where used           | Description                     | Part number    | Part number    | Qty / unit     |
|                      |                                 | 20 PSI         | 30 PSI         |                |
| 11 & 12              | CONN MALE STR 1/4OD X 1,        | DF0506         | DF0506         | 2              |
| 11 & 12              | TEE MALE RUN                    | DF0509         | DF0509         | 1              |
| obs                  | ELBOW 90 MALE 1/4OD X 1,        | DF0511         | DF0511         | 2              |
| 11 & 12              | CAPSCREW HEX HD1/4-20UNC        | DJ0023         | DJ0023         | 4              |
| 37                   | CAPSCREW HEX HD5/16-18NC        | DJ0031         | DJ0031         | 4              |
| 35                   | CAPSCREW HEX HD3/8-16UNC        | DJ0063         | DJ0063         | 8              |
| 44                   | CAPSCREW HEX HD3/8-16UNC        | DJ0066         | DJ0066         | 24             |
| 33                   | NUT HEX STD 5/16-18UN           | DJ0226         | DJ0226         | 8              |
| 37                   | WASHER HOLDING 11/32IDX1        | DJ0277         | DJ0277         | 4              |
| 35                   | STUD BOLT 3/8-16UNX1-7/1        | DJ0471         | DJ0471         | 20             |
| 43                   | STUD BOLT 3/8-16UNX1-13/        | DJ0472         | DJ0472         | 4              |
| Pump Mounting        | STUD PUMP CASE 1/2-13NCX,       | DJ0478         | DJ0478         | 16             |
| obs                  | NIPPLE STD 1/4NPTX1-,           | DL0021         | DL0021         | 2              |
| 6                    | NIPPLE STD 1/4NPTX1-1/2         | DL0022         | DL0022         | 1              |
| obs                  | NIPPLE STD 1-1/4NPTX,           | DL0097         | DL0097         | 1              |
| 11,12,14             | NIPPLE, RIGID                   | DE1591         | DE1591         | 1              |
| 11,12,14             | NIPPLE, RIGID                   | DE1592         | DE1592         | 1              |
| 11,12,14             | NIPPLE, RIGID                   | DE0570         | DE0570         | 1              |
|                      | LOCK NUT/ RIGID                 | P34460         | P34460         | 12             |
|                      | NIPPLE , STD                    | J89374         | J89374         | 2              |
| 33                   | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032         | DV0032         | 8              |
| 1                    | PLUG EQUALIZINGA711-8235,       | DV1149         | DV1149         | 1              |
| 1                    | PLUG SQ HD 1/2NPT ,             | H47900         | H47900         | 1              |
| 1                    | PLUG HEX HD 1/4NPT ,            | P39040         | P39040         | 4              |
|                      | CAPSCREW 3/4-10 X 1-1/2         | P19810         | P19810         | 2              |
| 38,38,39,40          | NUT HX STD 3/8-16UNC,           | P52380         | P52380         | 24             |
|                      | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800         | S41800         | 2              |
| 1                    | PLUG SQ HD 1NPT ,               | U19200         | U19200         | 2              |
| Pump Mounting        | NUT HEX LGT 1/2-13UNC,          | F11400         | F11400         | 16             |
| 38 & 39              | CAPSCREW HEX HD5/16-18UN        | not applicable | not applicable | not applicable |
| 38 & 39              | CAPSCREW,HEX HD 3/8-16NC        | not applicable | not applicable | not applicable |
| 38 & 39              | NUT HX STD 3/8-16UNC            | not applicable | not applicable | not applicable |

Complete gasket kit - part number 180019 (qty 2 required)

## 40 VLS / 40 HVS SIMPLEX SPECIAL CAPACITY - 1750 RPM

| Item #        | Description                           | Part number    |                | Qty            |
|---------------|---------------------------------------|----------------|----------------|----------------|
|               |                                       | 20 PSI         | 30PSI          |                |
| 1             | RECEIVER ,                            | DR0276         | DR0276         | 1              |
| 3             | 3" INLET BASKET STRAINER ASSEM.       | DA0183         | DA0183         | 1              |
| 3a            | STRAINER SCREEN ONLY                  | DA0019         | DA0019         | 1              |
| 3b            | STRAINER COVER GASKET                 | DG0161         | DG0161         | 1              |
| 3c            | NIPPLE STD 3NPTX4LG                   | DL0161         | DL0161         | 1              |
| 5             | COMPOUND GAUGE                        | DA0114         | DA0114         | 1              |
| 5a            | GAGE COCK 1/4FPT                      | DV0325         | DV0325         | 1              |
| 6             | VACUUM BREAKER 3/4IN #26              | DA0061         | DA0061         | 1              |
| 7             | ANGLE THERMOMETER                     | DA0104         | DA0104         | 1              |
| 8a            | VALVE SET 5/8 WATER                   | DV0342         | DV0342         | 1              |
| 8b            | GAUGE GLASS 5/8X9                     | DV0349         | DV0349         | 1              |
| 8c            | GUARD ROD 3/16DIA X 11                | DV0368         | DV0368         | 2              |
| 10            | VACUUM SWITCH (SIMPLEX)               | DE0988         | DE0988         | 1              |
| 12            | FLOAT SWITCH ASSEMBLY                 | DA0393         | DA0393         | 1              |
| 12a           | FLOAT BALL ONLY                       | DA0165         | DA0165         | 1              |
| 12b           | FLOAT SWITCH SEAL KIT                 | 180095         | 180095         | 1              |
| 13            | COPPER TUBING                         | X42104         | X42104         | 4              |
| 17            | SWING CHECK VALVE                     | DV1084         | DV1084         | 1              |
| 19            | LIFTING EYE                           | DJ0321         | DJ0321         | 2              |
| 21            | COVER PLATE DISCH MAN                 | DA0150         | DA0150         | 1              |
| 21a           | GASKET, DRAIN COVER FLAN              | DG0127         | DG0127         | 1              |
| 22            | ELBOW 90 STREET1-1/4NPT               | DF0167         | DF0167         | 1              |
| 23            | FLANGE BLIND                          | DF0210         | DF0210         | 3              |
| 23a           | FLANGE GASKET                         | DG0060         | DG0060         | 4              |
| 24            | PLATE AIR VENT ,                      | DL0600         | DL0600         | 1              |
| 24a           | GASKET, HOUSING                       | DG0135         | DG0135         | 1              |
| 25            | DISCHARGE MANIFOLD BODY               | DL1471         | DL1471         | 1              |
| 25a           | GASKET, NOZ BODY DISCH M              | DG0151         | DG0151         | 1              |
| 26            | NOZZLE BODY COVER PLATE               | DL1480         | DL1480         | 1              |
| 27            | COVER PLATE MANIFOLD ,                | DL1738         | DL1738         | 2              |
| 29            | BUSHING                               | DF0041         | DF0041         | 1              |
| 30            | NIPPLE                                | J89331         | J89331         | 1              |
| 31            | DIS. SOLENOID VALVE (115v)            | DE1861         | DE1859         | 1              |
|               | --OR--                                |                |                |                |
| 31            | DIS. SOLENOID VALVE (208v / 230v)     | DE1862         | DE1862         | 1              |
| 32            | DIN CONNECTOR                         | DE1645         | DE1645         | 1              |
| 33            | CHECK VALVE ASM3 IN ,                 | DV0083         | DV0083         | 1              |
| 33a           | CHECK VALVE FACING ONLY               | DV0072         | DV0072         | 1              |
| 34            | INSERT MANIFOLD LG ,                  | DL1702         | DL1702         | 1              |
|               | GASKET, NOZZLE BODY 30-7              | DG0154         | DG0154         | 2              |
| 35            | NOZZLE BODY                           | DL1417         | DL1437         | 1              |
| 36            | NOZZLE                                | DL1327         | DL1318         | 1              |
| 37            | VENTURI                               | DL1211         | DL1174         | 1              |
| 38            | MANIFOLD EL 90 RED. 3X2I              | not applicable | not applicable | not applicable |
| 38a           | GASKET, MANIFOLD ELBOW                | not applicable | not applicable | not applicable |
|               | CASE GASKET                           | DG0070         | DG0070         | 1              |
| 39            | MANIFOLD EL 90 STR 3IN                | DL1708         | DL1708         | 1              |
| 27a & 39a & b | GASKET, MANIFOLD FLANGE               | DG0142         | DG0142         | 4              |
| 40            | NOZZLE RETAINING RING (or Ret. Screw) | DL1486         | DL1486         | 1              |

## FASTENER INFORMATION

| Where used    | Description                     | Part number | Part number | Qty / unit |
|---------------|---------------------------------|-------------|-------------|------------|
|               | CONN MALE STR 1/4OD X 1,        | DF0506      | DF0506      | 1          |
|               | CONN MALE STR 1/4OD X 1,        | DF0510      | DF0510      | 1          |
|               | ELBOW 90 MALE 1/4OD X 1,        | DF0511      | DF0511      | 1          |
| 10            | CAPSCREW HEX HD1/4-20UNC        | DJ0023      | DJ0023      | 2          |
| 37            | CAPSCREW HEX HD5/16-18NC        | DJ0031      | DJ0031      | 2          |
| 26            | CAPSCREW HEX HD3/8-16UNC        | DJ0063      | DJ0063      | 4          |
| 25            | CAPSCREW HEX HD3/8-16UNC        | DJ0066      | DJ0066      | 12         |
| 33            | NUT HEX STD 5/16-18UN           | DJ0226      | DJ0226      | 4          |
| 37            | WASHER HOLDING 11/32IDX1        | DJ0277      | DJ0277      | 2          |
| 35            | STUD BOLT 3/8-16UNX1-7/1        | DJ0471      | DJ0471      | 20         |
| 24            | STUD BOLT 3/8-16UNX1-13/        | DJ0472      | DJ0472      | 4          |
| Pump Mounting | STUD PUMP CASE 1/2-13NCX,       | DJ0478      | DJ0478      | 16         |
| obs           | NIPPLE STD 1/4NPTX1-,           | DL0021      | DL0021      | 1          |
| 5             | NIPPLE STD 1/4NPTX1-1/2         | DL0022      | DL0022      | 1          |
| obs           | NIPPLE STD 1-1/4NPTX,           | DL0097      | DL0097      | 1          |
| 33            | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032      | DV0032      | 4          |
| 1             | PLUG EQUALIZINGA711-8235,       | DV1149      | DV1149      | 1          |
| 28            | PLUG SQ HD 2-1/2NPT ,           | F12200      | F12200      | 1          |
| 1             | PLUG SQ HD 1/2NPT ,             | H47900      | H47900      | 1          |
| 1             | PLUG HEX HD 1/8NPT ,            | P39020      | P39020      | 1          |
| 1             | PLUG HEX HD 1/4NPT ,            | P39040      | P39040      | 5          |
|               | CAPSCREW 3/4-10 X 1-1/2         | P19810      | P19810      | 1          |
| 24,38,38,39   | NUT HX STD 3/8-16UNC,           | P52380      | P52380      | 24         |
|               | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800      | S41800      | 1          |
| 1             | PLUG SQ HD 1NPT ,               | U19200      | U19200      | 2          |
| Pump Mounting | NUT HEX LGT 1/2-13UNC,          | F11400      | F11400      | 16         |
| 38 & 39       | CAPSCREW HEX HD5/16-18UN        | DJ0034      | DJ0034      | 4          |
|               | STUD 3/4-10                     | DJ0493      | DJ0493      | 1          |
|               | NUT HX HVY 3/4-10               | DJ0250      | DJ0250      | 1          |

Complete gasket kit - part number 180019

## 40 VLS / 40 HVS DUPLEX SPECIAL CAPACITY- 1750 RPM

| Item #          | Description                           | Part number    |                | Qty            |
|-----------------|---------------------------------------|----------------|----------------|----------------|
|                 |                                       | 20 PSI         | 30PSI          |                |
| 1               | RECEIVER ,                            | DR0276         | DR0276         | 1              |
| 4               | 3" INLET BASKET STRAINER ASSEM.       | DA0183         | DA0183         | 1              |
| 4a              | STRAINER SCREEN ONLY                  | DA0019         | DA0019         | 1              |
| 4b              | STRAINER COVER GASKET                 | DG0161         | DG0161         | 1              |
| 4c              | NIPPLE STD 3NPTX4LG                   | DL0161         | DL0161         | 1              |
| 6               | COMPOUND GAUGE                        | DA0114         | DA0114         | 1              |
| 6a              | GAGE COCK 1/4FPT                      | DV0325         | DV0325         | 1              |
| 7               | VACUUM BREAKER 3/4IN #26              | DA0061         | DA0061         | 1              |
| 8               | ANGLE THERMOMETER                     | DA0104         | DA0104         | 1              |
| 9a              | VALVE SET 5/8 WATER                   | DV0342         | DV0342         | 1              |
| 9b              | GAUGE GLASS 5/8X9                     | DV0349         | DV0349         | 1              |
| 9c              | GUARD ROD 3/16DIA X 11                | DV0368         | DV0368         | 2              |
| 11 & 12         | VACUUM SWITCH (SIMPLEX)               | DE0987         | DE0987         | 2              |
| 14              | FLOAT SWITCH ASSEMBLY                 | DA0393         | DA0393         | 2              |
| 14a             | FLOAT BALL ONLY                       | DA0165         | DA0165         | 2              |
| 14b             | FLOAT SWITCH SEAL KIT                 | 180095         | 180095         | 2              |
| 16              | COPPER TUBING                         | X42104         | X42104         | 8              |
| 17 & 19         | DIS. SOLENOID VALVE (115v)            | DE1861         | DE1859         | 2              |
|                 | --OR--                                |                |                |                |
| 17 & 19         | DIS. SOLENOID VALVE (208v / 230v)     | DE1862         | DE1862         | 2              |
| 22              | SWING CHECK VALVE                     | DV1084         | DV1084         | 1              |
| 24              | LIFTING EYE                           | DJ0321         | DJ0321         | 2              |
| 26              | COVER PLATE DISCH MAN                 | DA0150         | DA0150         | 2              |
| 26a             | GASKET, DRAIN COVER FLAN              | DG0127         | DG0127         | 2              |
| 27              | ELBOW 90 STREET1-1/4NPT               | DF0167         | DF0167         | 1              |
| 28              | FLANGE BLIND                          | DF0210         | DF0210         | 2              |
| 28a             | FLANGE GASKET                         | DG0060         | DG0060         | 4              |
| 29              | BUSHING                               | DF0041         | DF0041         | 2              |
| 30              | NIPPLE                                | J89331         | J89331         | 2              |
| 32              | DIN CONNECTOR                         | DE1645         | DE1645         | 2              |
| 33              | CHECK VALVE ASM3 IN ,                 | DV0083         | DV0083         | 2              |
| 33a             | CHECK VALVE FACING ONLY               | DV0072         | DV0072         | 2              |
| 34              | INSERT MANIFOLD LG ,                  | DL1702         | DL1702         | 2              |
|                 | GASKET, NOZZLE BODY 30-7              | DG0154         | DG0154         | 2              |
| 35              | NOZZLE BODY                           | DL1417         | DL1437         | 2              |
| 36              | NOZZLE                                | DL1327         | DL1318         | 2              |
| 37              | VENTURI                               | DL1211         | DL1174         | 2              |
| 38              | MANIFOLD EL 90 RED. 3X2I              | not applicable | not applicable | not applicable |
| 38a             | GASKET, MANIFOLD ELBOW                | not applicable | not applicable | not applicable |
|                 | CASE GASKET                           | DG0070         | DG0070         | 2              |
| 39              | MANIFOLD EL 90 STR 3IN                | DL1708         | DL1708         | 1              |
| 39a & b, 41, 42 | GASKET, MANIFOLD FLANGE               | DG0142         | DG0142         | 6              |
| 40              | NOZZLE RETAINING RING (or Ret. Screw) | DL1486         | DL1486         | 2              |
| 41              | MANIFOLD ELBOW                        | DL1746         | DL1746         | 1              |
| 42              | MANIFOLD ELBOW                        | DL1744         | DL1744         | 1              |
| 43              | PLATE AIR VENT ,                      | DL0600         | DL0600         | 1              |
| 43a             | GASKET, HOUSING                       | DG0135         | DG0135         | 1              |
| 44              | DISCHARGE MANIFOLD BODY               | DL1471         | DL1471         | 2              |
| 44a             | GASKET, NOZ BODY DISCH M              | DG0151         | DG0151         | 2              |

## FASTENER INFORMATION

| Where used     | Description                     | Part number | Part number | Qty / unit |
|----------------|---------------------------------|-------------|-------------|------------|
|                | CONN MALE STR 1/4OD X 1,        | DF0506      | DF0506      | 2          |
|                | CONN MALE STR 1/4OD X 1,        | DF0509      | DF0509      | 1          |
|                | ELBOW 90 MALE 1/4OD X 1,        | DF0511      | DF0511      | 2          |
| 11 & 12        | CAPSCREW HEX HD1/4-20UNC        | DJ0023      | DJ0023      | 4          |
| 37             | CAPSCREW HEX HD5/16-18NC        | DJ0031      | DJ0031      | 4          |
| 35             | CAPSCREW HEX HD3/8-16UNC        | DJ0063      | DJ0063      | 8          |
| 44             | CAPSCREW HEX HD3/8-16UNC        | DJ0066      | DJ0066      | 24         |
| 33             | NUT HEX STD 5/16-18UN           | DJ0226      | DJ0226      | 8          |
| 37             | WASHER HOLDING 11/32IDX1        | DJ0277      | DJ0277      | 4          |
| 35             | STUD BOLT 3/8-16UNX1-7/1        | DJ0471      | DJ0471      | 20         |
| 43             | STUD BOLT 3/8-16UNX1-13/        | DJ0472      | DJ0472      | 4          |
| Pump Mounting  | STUD PUMP CASE 1/2-13NCX,       | DJ0478      | DJ0478      | 16         |
| obs            | NIPPLE STD 1/4NPTX1-,           | DL0021      | DL0021      | 2          |
| 6              | NIPPLE STD 1/4NPTX1-1/2         | DL0022      | DL0022      | 1          |
| obs            | NIPPLE STD 1-1/4NPTX,           | DL0097      | DL0097      | 1          |
|                | NIPPLE, RIGID                   | DE1591      | DE1591      | 1          |
|                | NIPPLE, RIGID                   | DE1592      | DE1592      | 1          |
|                | NIPPLE, RIGID                   | DE0570      | DE0570      | 1          |
|                | NIPPLE                          | J89374      | J89374      | 2          |
| 33             | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032      | DV0032      | 8          |
| 1              | PLUG EQUALIZINGA711-8235,       | DV1149      | DV1149      | 1          |
| 1              | PLUG SQ HD 1/2NPT ,             | H47900      | H47900      | 1          |
| 1              | PLUG HEX HD 1/4NPT ,            | P39040      | P39040      | 4          |
|                | CAPSCREW 3/4-10 X 1-1/2         | P19810      | P19810      | 2          |
| 38, 38, 39, 43 | NUT HX STD 3/8-16UNC,           | P52380      | P52380      | 24         |
|                | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800      | S41800      | 2          |
| 1              | PLUG SQ HD 1NPT ,               | U19200      | U19200      | 2          |
| Pump Mounting  | NUT HEX LGT 1/2-13UNC,          | F11400      | F11400      | 16         |
|                | LOCKNUT                         | P34460      | P34460      | 12         |
| 38 & 39        | CAPSCREW HEX HD5/16-18UN        | DJ0034      | DJ0034      | 4          |
|                | STUD 3/4-10                     | DJ0493      | DJ0493      | 2          |
|                | NUT HX HVY 3/4-10               | DJ0250      | DJ0250      | 2          |

Complete gasket kit - part number 180019 (qty 2 required)

## 65 VL / 65 HV SIMPLEX STANDARD CAPACITY- 1750 RPM

| Item #        | Description                           | Part number    |                | Qty            |
|---------------|---------------------------------------|----------------|----------------|----------------|
|               |                                       | 20 PSI         | 30PSI          |                |
| 1             | RECEIVER ,                            | DR0276         | DR0276         | 1              |
| 3             | 3" INLET BASKET STRAINER ASSEM.       | DA0183         | DA0183         | 1              |
| 3a            | STRAINER SCREEN ONLY                  | DA0019         | DA0019         | 1              |
| 3b            | STRAINER COVER GASKET                 | DG0161         | DG0161         | 1              |
| 3c            | NIPPLE STD 3NPTX4LG                   | DL0161         | DL0161         | 1              |
| 5             | COMPOUND GAUGE                        | DA0114         | DA0114         | 1              |
| 5a            | GAGE COCK 1/4FPT                      | DV0325         | DV0325         | 1              |
| 6             | VACUUM BREAKER 3/4IN #26              | DA0061         | DA0061         | 1              |
| 7             | ANGLE THERMOMETER                     | DA0104         | DA0104         | 1              |
| 8a            | VALVE SET 5/8 WATER                   | DV0342         | DV0342         | 1              |
| 8b            | GAUGE GLASS 5/8X9                     | DV0349         | DV0349         | 1              |
| 8c            | GUARD ROD 3/16DIA X 11                | DV0368         | DV0368         | 2              |
| 10            | VACUUM SWITCH (SIMPLEX)               | DE0988         | DE0988         | 1              |
| 12            | FLOAT SWITCH ASSEMBLY                 | DA0393         | DA0393         | 1              |
| 12a           | FLOAT BALL ONLY                       | DA0165         | DA0165         | 1              |
| 12b           | FLOAT SWITCH SEAL KIT                 | 180095         | 180095         | 1              |
| 13            | COPPER TUBING                         | X42104         | X42104         | 4              |
| 17            | SWING CHECK VALVE                     | DV1084         | DV1084         | 1              |
| 19            | LIFTING EYE                           | DJ0321         | DJ0321         | 2              |
| 21            | COVER PLATE DISCH MAN                 | DA0150         | DA0150         | 1              |
| 21a           | GASKET, DRAIN COVER FLAN              | DG0127         | DG0127         | 1              |
| 22            | ELBOW 90 STREET1-1/4NPT               | DF0167         | DF0167         | 1              |
| 23            | FLANGE BLIND                          | DF0210         | DF0210         | 3              |
| 23a           | FLANGE GASKET                         | DG0060         | DG0060         | 4              |
| 24            | PLATE AIR VENT ,                      | DL0600         | DL0600         | 1              |
| 24a           | GASKET, HOUSING                       | DG0135         | DG0135         | 1              |
| 25            | DISCHARGE MANIFOLD BODY               | DL1471         | DL1471         | 1              |
| 25a           | GASKET, NOZ BODY DISCH M              | DG0151         | DG0151         | 1              |
| 26            | NOZZLE BODY COVER PLATE               | DL1480         | DL1480         | 1              |
| 27            | COVER PLATE MANIFOLD ,                | DL1738         | DL1738         | 2              |
| 29            | BUSHING                               | DF0041         | DF0041         | 1              |
| 30            | NIPPLE                                | J89331         | J89331         | 1              |
| 31            | DIS. SOLENOID VALVE (115v)            | DE1861         | DE1859         | 1              |
|               | --OR--                                |                |                |                |
| 31            | DIS. SOLENOID VALVE (208v / 230v)     | DE1862         | DE1862         | 1              |
| 32            | DIN CONNECTOR                         | DE1645         | DE1645         | 1              |
| 33            | CHECK VALVE ASM3 IN ,                 | DV0083         | DV0083         | 1              |
| 33a           | CHECK VALVE FACING ONLY               | DV0072         | DV0072         | 1              |
| 34            | INSERT MANIFOLD LG ,                  | DL1702         | DL1702         | 1              |
|               | GASKET, NOZZLE BODY 30-7              | DG0154         | DG0154         | 2              |
| 35            | NOZZLE BODY                           | DL1437         | DL1437         | 1              |
| 36            | NOZZLE                                | DL1337         | DL1334         | 1              |
| 37            | VENTURI                               | DL1173         | DL1171         | 1              |
| 38            | MANIFOLD EL 90 RED. 3X2I              | not applicable | not applicable | not applicable |
| 38a           | GASKET, MANIFOLD ELBOW                | not applicable | not applicable | not applicable |
|               | CASE GASKET                           | DG0070         | DG0070         | 1              |
| 39            | MANIFOLD EL 90 STR 3IN                | DL1708         | DL1708         | 1              |
| 27a & 39a & b | GASKET, MANIFOLD FLANGE               | DG0142         | DG0142         | 4              |
| 40            | NOZZLE RETAINING RING (or Ret. Screw) | DL1486         | DL1486         | 1              |

## FASTENER INFORMATION

| Where used    | Description                     | Part number | Part number | Qty / unit |
|---------------|---------------------------------|-------------|-------------|------------|
|               | CONN MALE STR 1/4OD X 1,        | DF0506      | DF0506      | 1          |
|               | CONN MALE STR 1/4OD X 1,        | DF0510      | DF0510      | 1          |
|               | ELBOW 90 MALE 1/4OD X 1,        | DF0511      | DF0511      | 1          |
| 10            | CAPSCREW HEX HD1/4-20UNC        | DJ0023      | DJ0023      | 2          |
| 37            | CAPSCREW HEX HD5/16-18NC        | DJ0031      | DJ0031      | 2          |
| 26            | CAPSCREW HEX HD3/8-16UNC        | DJ0063      | DJ0063      | 4          |
| 25            | CAPSCREW HEX HD3/8-16UNC        | DJ0066      | DJ0066      | 12         |
| 33            | NUT HEX STD 5/16-18UN           | DJ0226      | DJ0226      | 4          |
| 37            | WASHER HOLDING 11/32IDX1        | DJ0277      | DJ0277      | 2          |
| 35            | STUD BOLT 3/8-16UNX1-7/1        | DJ0471      | DJ0471      | 20         |
| 24            | STUD BOLT 3/8-16UNX1-13/        | DJ0472      | DJ0472      | 4          |
| Pump Mounting | STUD PUMP CASE 1/2-13NCX,       | DJ0478      | DJ0478      | 16         |
| obs           | NIPPLE STD 1/4NPTX1-,           | DL0021      | DL0021      | 1          |
| 5             | NIPPLE STD 1/4NPTX1-1/2         | DL0022      | DL0022      | 1          |
| obs           | NIPPLE STD 1-1/4NPTX,           | DL0097      | DL0097      | 1          |
| 33            | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032      | DV0032      | 4          |
| 1             | PLUG EQUALIZINGA711-8235,       | DV1149      | DV1149      | 1          |
| 28            | PLUG SQ HD 2-1/2NPT ,           | F12200      | F12200      | 1          |
| 1             | PLUG SQ HD 1/2NPT ,             | H47900      | H47900      | 1          |
| 1             | PLUG HEX HD 1/8NPT ,            | P39020      | P39020      | 1          |
| 1             | PLUG HEX HD 1/4NPT ,            | P39040      | P39040      | 5          |
|               | CAPSCREW 3/4-10 X 1-1/2         | P19810      | P19810      | 1          |
| 24,38,38,39   | NUT HX STD 3/8-16UNC,           | P52380      | P52380      | 24         |
|               | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800      | S41800      | 1          |
| 1             | PLUG SQ HD 1NPT ,               | U19200      | U19200      | 2          |
| Pump Mounting | NUT HEX LGT 1/2-13UNC,          | F11400      | F11400      | 16         |
| 38 & 39       | CAPSCREW HEX HD5/16-18UN        | DJ0034      | DJ0034      | 4          |
|               | STUD 3/4-10                     | DJ0493      | DJ0493      | 1          |
|               | NUT HX HVY 3/4-10               | DJ0250      | DJ0250      | 1          |

Complete gasket kit - part number 180019

## 65 VL / 65 HV DUPLEX STANDARD CAPACITY- 1750 RPM

| Item #        | Description                           | Part number    |                | Qty            |
|---------------|---------------------------------------|----------------|----------------|----------------|
|               |                                       | 20 PSI         | 30PSI          |                |
| 1             | RECEIVER ,                            | DR0276         | DR0276         | 1              |
| 4             | 3" INLET BASKET STRAINER ASSEM.       | DA0183         | DA0183         | 1              |
| 4a            | STRAINER SCREEN ONLY                  | DA0019         | DA0019         | 1              |
| 4b            | STRAINER COVER GASKET                 | DG0161         | DG0161         | 1              |
| 4c            | NIPPLE STD 3NPTX4LG                   | DL0161         | DL0161         | 1              |
| 6             | COMPOUND GAUGE                        | DA0114         | DA0114         | 1              |
| 6a            | GAGE COCK 1/4FPT                      | DV0325         | DV0325         | 1              |
| 7             | VACUUM BREAKER 3/4IN #26              | DA0061         | DA0061         | 1              |
| 8             | ANGLE THERMOMETER                     | DA0104         | DA0104         | 1              |
| 9a            | VALVE SET 5/8 WATER                   | DV0342         | DV0342         | 1              |
| 9b            | GAUGE GLASS 5/8X9                     | DV0349         | DV0349         | 1              |
| 9c            | GUARD ROD 3/16DIA X 11                | DV0368         | DV0368         | 2              |
| 11 & 12       | VACUUM SWITCH (SIMPLEX)               | DE0987         | DE0987         | 2              |
| 14            | FLOAT SWITCH ASSEMBLY                 | DA0393         | DA0393         | 2              |
| 14a           | FLOAT BALL ONLY                       | DA0165         | DA0165         | 2              |
| 14b           | FLOAT SWITCH SEAL KIT                 | 180095         | 180095         | 2              |
| 16            | COPPER TUBING                         | X42104         | X42104         | 8              |
| 17 & 19       | DIS. SOLENOID VALVE (115v)            | DE1861         | DE1859         | 2              |
|               | --OR--                                |                |                |                |
| 17 & 19       | DIS. SOLENOID VALVE (208v / 230v)     | DE1862         | DE1862         | 2              |
| 22            | SWING CHECK VALVE                     | DV1084         | DV1084         | 1              |
| 24            | LIFTING EYE                           | DJ0321         | DJ0321         | 2              |
| 26            | COVER PLATE DISCH MAN                 | DA0150         | DA0150         | 2              |
| 26a           | GASKET, DRAIN COVER FLAN              | DG0127         | DG0127         | 2              |
| 27            | ELBOW 90 STREET1-1/4NPT               | DF0167         | DF0167         | 1              |
| 28            | FLANGE BLIND                          | DF0210         | DF0210         | 2              |
| 28a           | FLANGE GASKET                         | DG0060         | DG0060         | 4              |
| 29            | BUSHING                               | DF0041         | DF0041         | 2              |
| 30            | NIPPLE                                | J89331         | J89331         | 2              |
| 32            | DIN CONNECTOR                         | DE1645         | DE1645         | 2              |
| 33            | CHECK VALVE ASM3 IN ,                 | DV0083         | DV0083         | 2              |
| 33a           | CHECK VALVE FACING ONLY               | DV0072         | DV0072         | 2              |
| 34            | INSERT MANIFOLD LG ,                  | DL1702         | DL1702         | 2              |
|               | GASKET, NOZZLE BODY 30-7              | DG0154         | DG0154         | 2              |
| 35            | NOZZLE BODY                           | DL1437         | DL1437         | 2              |
| 36            | NOZZLE                                | DL1337         | DL1334         | 2              |
| 37            | VENTURI                               | DL1173         | DL1171         | 2              |
| 38            | MANIFOLD EL 90 RED. 3X2I              | not applicable | not applicable | not applicable |
| 38a           | GASKET, MANIFOLD ELBOW                | not applicable | not applicable | not applicable |
|               | CASE GASKET                           | DG0070         | DG0070         | 2              |
| 39            | MANIFOLD EL 90 STR 3IN                | DL1708         | DL1708         | 1              |
| 39a & b,41,42 | GASKET, MANIFOLD FLANGE               | DG0142         | DG0142         | 6              |
| 40            | NOZZLE RETAINING RING (or Ret. Screw) | DL1486         | DL1486         | 2              |
| 41            | MANIFOLD ELBOW                        | DL1746         | DL1746         | 1              |
| 42            | MANIFOLD ELBOW                        | DL1744         | DL1744         | 1              |
| 43            | PLATE AIR VENT ,                      | DL0600         | DL0600         | 1              |
| 43a           | GASKET, HOUSING                       | DG0135         | DG0135         | 1              |
| 44            | DISCHARGE MANIFOLD BODY               | DL1471         | DL1471         | 2              |
| 44a           | GASKET, NOZ BODY DISCH M              | DG0151         | DG0151         | 2              |

## FASTENER INFORMATION

| Where used    | Description                     | Part number | Part number | Qty / unit |
|---------------|---------------------------------|-------------|-------------|------------|
|               | CONN MALE STR 1/4OD X 1,        | DF0506      | DF0506      | 2          |
|               | CONN MALE STR 1/4OD X 1,        | DF0509      | DF0509      | 1          |
|               | ELBOW 90 MALE 1/4OD X 1,        | DF0511      | DF0511      | 2          |
| 11 & 12       | CAPSCREW HEX HD1/4-20UNC        | DJ0023      | DJ0023      | 4          |
| 37            | CAPSCREW HEX HD5/16-18NC        | DJ0031      | DJ0031      | 4          |
| 35            | CAPSCREW HEX HD3/8-16UNC        | DJ0063      | DJ0063      | 8          |
| 44            | CAPSCREW HEX HD3/8-16UNC        | DJ0066      | DJ0066      | 24         |
| 33            | NUT HEX STD 5/16-18UN           | DJ0226      | DJ0226      | 8          |
| 37            | WASHER HOLDING 11/32IDX1        | DJ0277      | DJ0277      | 4          |
| 35            | STUD BOLT 3/8-16UNX1-7/1        | DJ0471      | DJ0471      | 20         |
| 43            | STUD BOLT 3/8-16UNX1-13/        | DJ0472      | DJ0472      | 4          |
| Pump Mounting | STUD PUMP CASE 1/2-13NCX,       | DJ0478      | DJ0478      | 16         |
| obs           | NIPPLE STD 1/4NPTX1-,           | DL0021      | DL0021      | 2          |
| 6             | NIPPLE STD 1/4NPTX1-1/2         | DL0022      | DL0022      | 1          |
| obs           | NIPPLE STD 1-1/4NPTX,           | DL0097      | DL0097      | 1          |
|               | NIPPLE, RIGID                   | DE1591      | DE1591      | 1          |
|               | NIPPLE, RIGID                   | DE1592      | DE1592      | 1          |
|               | NIPPLE, RIGID                   | DE0570      | DE0570      | 1          |
|               | NIPPLE                          | J89374      | J89374      | 2          |
| 33            | STUD VLV SEAT 5/16DIA X 1-3/16  | DV0032      | DV0032      | 8          |
| 1             | PLUG EQUALIZINGA711-8235,       | DV1149      | DV1149      | 1          |
| 1             | PLUG SQ HD 1/2NPT ,             | H47900      | H47900      | 1          |
| 1             | PLUG HEX HD 1/4NPT ,            | P39040      | P39040      | 4          |
|               | CAPSCREW 3/4-10 X 1-1/2         | P19810      | P19810      | 2          |
| 38,38,39,43   | NUT HX STD 3/8-16UNC,           | P52380      | P52380      | 24         |
|               | ELBOW MALE COMP 3/8OD X 1/4 MPT | S41800      | S41800      | 2          |
| 1             | PLUG SQ HD 1NPT ,               | U19200      | U19200      | 2          |
| Pump Mounting | NUT HEX LGT 1/2-13UNC,          | F11400      | F11400      | 16         |
|               | LOCKNUT                         | P34460      | P34460      | 12         |
| 38 & 39       | CAPSCREW HEX HD5/16-18UN        | DJ0034      | DJ0034      | 4          |
|               | STUD 3/4-10                     | DJ0493      | DJ0493      | 2          |
|               | NUT HX HVY 3/4-10               | DJ0250      | DJ0250      | 2          |

Complete gasket kit - part number 180019 (qty 2 required)

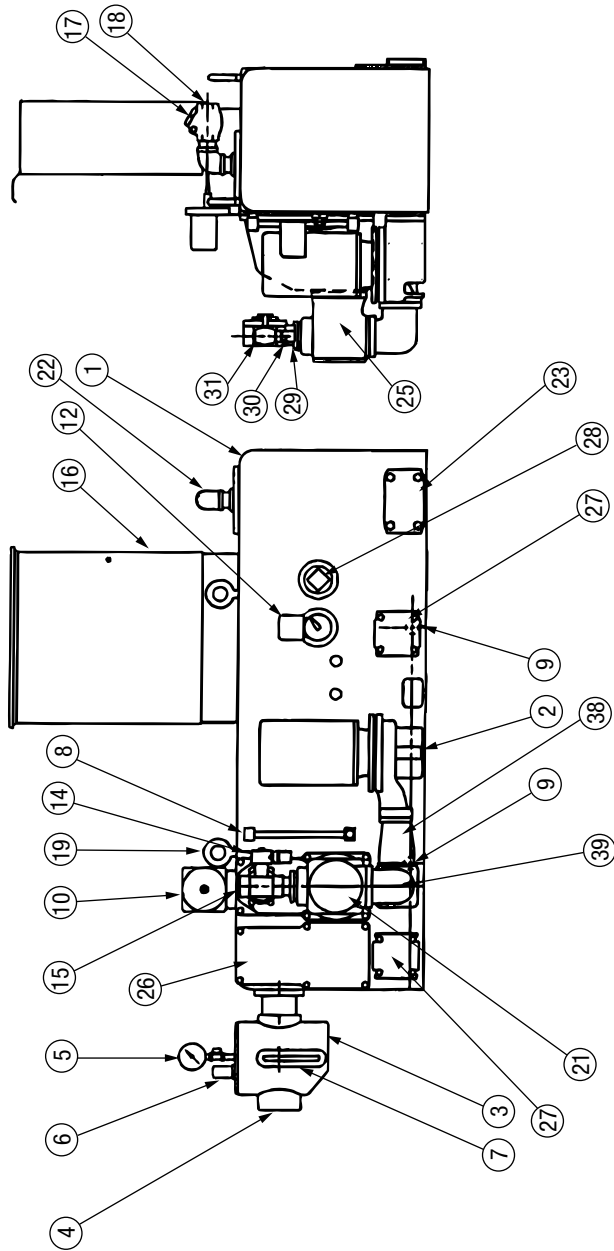
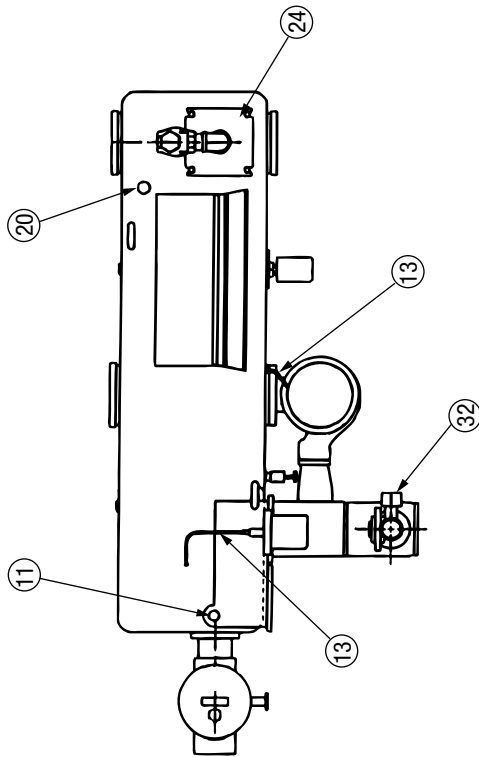
**REPLACEMENT VACUUM HEATING PUMPS**

| Unit          | Water Only GPM | Simultaneous |      | PSI | Pump   | Mtr HP | Imp Trim |
|---------------|----------------|--------------|------|-----|--------|--------|----------|
|               |                | Water        | Air  |     |        |        |          |
| 25 VL 1-20-35 | 37.5           | 12.5         | 8.3  | 20  | 626 PF | 2      | 4-1/8    |
| 25 VL 2-20-35 | 37.5           | 12.5         | 8.3  | 20  | 626 PF | 2      | 4-1/8    |
| 25 VL 1-30-35 | 37.5           | 12.5         | 8.3  | 30  | 625 PF | 3      | 4-3/8    |
| 25 VL 2-30-35 | 37.5           | 12.5         | 8.3  | 30  | 625 PF | 3      | 4-3/8    |
| 25 VL 1-40-35 | 37.5           | 12.5         | 8.3  | 40  | 613 PF | 5      | 5-9/16   |
| 25 VL 2-40-35 | 37.5           | 12.5         | 8.3  | 40  | 613 PF | 5      | 5-9/16   |
|               |                |              |      |     |        |        |          |
| 25 VL 1-20-17 | 37.5           | 12.5         | 8.3  | 20  | 654 PF | 2      | 6-3/4    |
| 25 VL 2-20-17 | 37.5           | 12.5         | 8.3  | 20  | 654 PF | 2      | 6-3/4    |
| 25 VL 1-30-17 | 37.5           | 12.5         | 8.3  | 30  | 673 PF | 3      | 9-1/16   |
| 25 VL 2-30-17 | 37.5           | 12.5         | 8.3  | 30  | 673 PF | 3      | 9-1/16   |
|               |                |              |      |     |        |        |          |
| 30 VL 1-20-35 | 45             | 15           | 9.7  | 20  | 626 PF | 3      | 4-1/8    |
| 30 VL 2-20-35 | 45             | 15           | 9.7  | 20  | 626 PF | 3      | 4-1/8    |
| 30 VL 1-30-35 | 45             | 15           | 9.7  | 30  | 625 PF | 5      | 4-9/16   |
| 30 VL 2-30-35 | 45             | 15           | 9.7  | 30  | 625 PF | 5      | 4-9/16   |
| 30 VL 1-40-35 | 45             | 15           | 9.7  | 40  | 613 PF | 5      | 5-9/16   |
| 30 VL 2-40-35 | 45             | 15           | 9.7  | 40  | 613 PF | 5      | 5-9/16   |
|               |                |              |      |     |        |        |          |
| 30 VL 1-20-17 | 45             | 15           | 9.7  | 20  | 673 PF | 3      | 8-7/16   |
| 30 VL 2-20-17 | 45             | 15           | 9.7  | 20  | 673 PF | 3      | 8-7/16   |
| 30 VL 1-30-17 | 45             | 15           | 9.7  | 30  | 673 PF | 3      | 9-1/16   |
| 30 VL 2-30-17 | 45             | 15           | 9.7  | 30  | 673 PF | 3      | 9-1/16   |
|               |                |              |      |     |        |        |          |
| 40 VL 1-20-35 | 60             | 20           | 12.6 | 20  | 625 PF | 3      | 4-3/16   |
| 40 VL 2-20-35 | 60             | 20           | 12.6 | 20  | 625 PF | 3      | 4-3/16   |
| 40 VL 1-30-35 | 60             | 20           | 12.6 | 30  | 625 PF | 5      | 4-9/16   |
| 40 VL 2-30-35 | 60             | 20           | 12.6 | 30  | 625 PF | 5      | 4-9/16   |
| 40 VL 1-40-35 | 60             | 20           | 12.6 | 40  | 613 PF | 5      | 5-9/16   |
| 40 VL 2-40-35 | 60             | 20           | 12.6 | 40  | 613 PF | 5      | 5-9/16   |
|               |                |              |      |     |        |        |          |
| 40 VL 1-20-17 | 60             | 20           | 12.6 | 20  | 654 PF | 3      | 7-1/8    |
| 40 VL 2-20-17 | 60             | 20           | 12.6 | 20  | 654 PF | 3      | 7-1/8    |
| 40 VL 1-30-17 | 60             | 20           | 12.6 | 30  | 659 PF | 5      | 8-9/16   |
| 40 VL 2-30-17 | 60             | 20           | 12.6 | 30  | 659 PF | 5      | 8-9/16   |
|               |                |              |      |     |        |        |          |
| 65 VL 1-20-17 | 70             | 32.5         | 22   | 20  | 654 PF | 5      | 7-15/16  |
| 65 VL 2-20-17 | 70             | 32.5         | 22   | 20  | 654 PF | 5      | 7-15/16  |
| 65 VL 1-30-17 | 70             | 32.5         | 22   | 30  | 659 PF | 7-1/2  | 9-1/4    |
| 65 VL 2-30-17 | 70             | 32.5         | 22   | 30  | 659 PF | 7-1/2  | 9-1/4    |

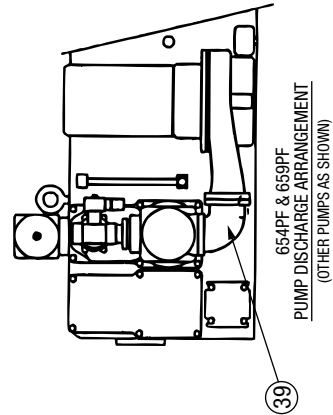
**REPLACEMENT VACUUM HEATING PUMPS**

| Unit           | Water Only GPM | Simultaneous |     | PSI | Pump   | Mtr HP | Imp Trim |
|----------------|----------------|--------------|-----|-----|--------|--------|----------|
|                |                | Water        | Air |     |        |        |          |
| 25 VLS 1-20-35 | 37.5           | 12.5         | 14  | 20  | 625 PF | 3      | 4-3/16   |
| 25 VLS 2-20-35 | 37.5           | 12.5         | 14  | 20  | 625 PF | 3      | 4-3/16   |
| 25 VLS 1-30-35 | 37.5           | 12.5         | 14  | 30  | 625 PF | 5      | 4-9/16   |
| 25 VLS 2-30-35 | 37.5           | 12.5         | 14  | 30  | 625 PF | 5      | 4-9/16   |
| 25 VLS 1-40-35 | 37.5           | 12.5         | 14  | 40  | 613 PF | 5      | 5-9/16   |
| 25 VLS 2-40-35 | 37.5           | 12.5         | 14  | 40  | 613 PF | 5      | 5-9/16   |
|                |                |              |     |     |        |        |          |
| 25 VLS 1-20-17 | 37.5           | 12.5         | 14  | 20  | 654 PF | 3      | 7-1/16   |
| 25 VLS 2-20-17 | 37.5           | 12.5         | 14  | 20  | 654 PF | 3      | 7-1/16   |
| 25 VLS 1-30-17 | 37.5           | 12.5         | 14  | 30  | 659 PF | 5      | 8-5/16   |
| 25 VLS 2-30-17 | 37.5           | 12.5         | 14  | 30  | 659 PF | 5      | 8-5/16   |
|                |                |              |     |     |        |        |          |
| 30 VLS 1-20-35 | 45             | 15           | 17  | 20  | 625 PF | 3      | 4-3/16   |
| 30 VLS 2-20-35 | 45             | 15           | 17  | 20  | 625 PF | 3      | 4-3/16   |
| 30 VLS 1-30-35 | 45             | 15           | 17  | 30  | 625 PF | 5      | 4-9/16   |
| 30 VLS 2-30-35 | 45             | 15           | 17  | 30  | 625 PF | 5      | 4-9/16   |
| 30 VLS 1-40-35 | 45             | 15           | 17  | 40  | 613 PF | 5      | 5-9/16   |
| 30 VLS 2-40-35 | 45             | 15           | 17  | 40  | 613 PF | 5      | 5-9/16   |
|                |                |              |     |     |        |        |          |
| 30 VLS 1-20-17 | 45             | 15           | 17  | 20  | 654 PF | 3      | 7-1/8    |
| 30 VLS 2-20-17 | 45             | 15           | 17  | 20  | 654 PF | 3      | 7-1/8    |
| 30 VLS 1-30-17 | 45             | 15           | 17  | 30  | 659 PF | 5      | 8-3/4    |
| 30 VLS 2-30-17 | 45             | 15           | 17  | 30  | 659 PF | 5      | 8-3/4    |
|                |                |              |     |     |        |        |          |
| 40 VLS 1-20-17 | 60             | 20           | 21  | 20  | 654 PF | 5      | 7-1/2    |
| 40 VLS 2-20-17 | 60             | 20           | 21  | 20  | 654 PF | 5      | 7-1/2    |
| 40 VLS 1-30-17 | 60             | 20           | 21  | 30  | 659 PF | 5      | 8-3/4    |
| 40 VLS 2-30-17 | 60             | 20           | 21  | 30  | 659 PF | 5      | 8-3/4    |

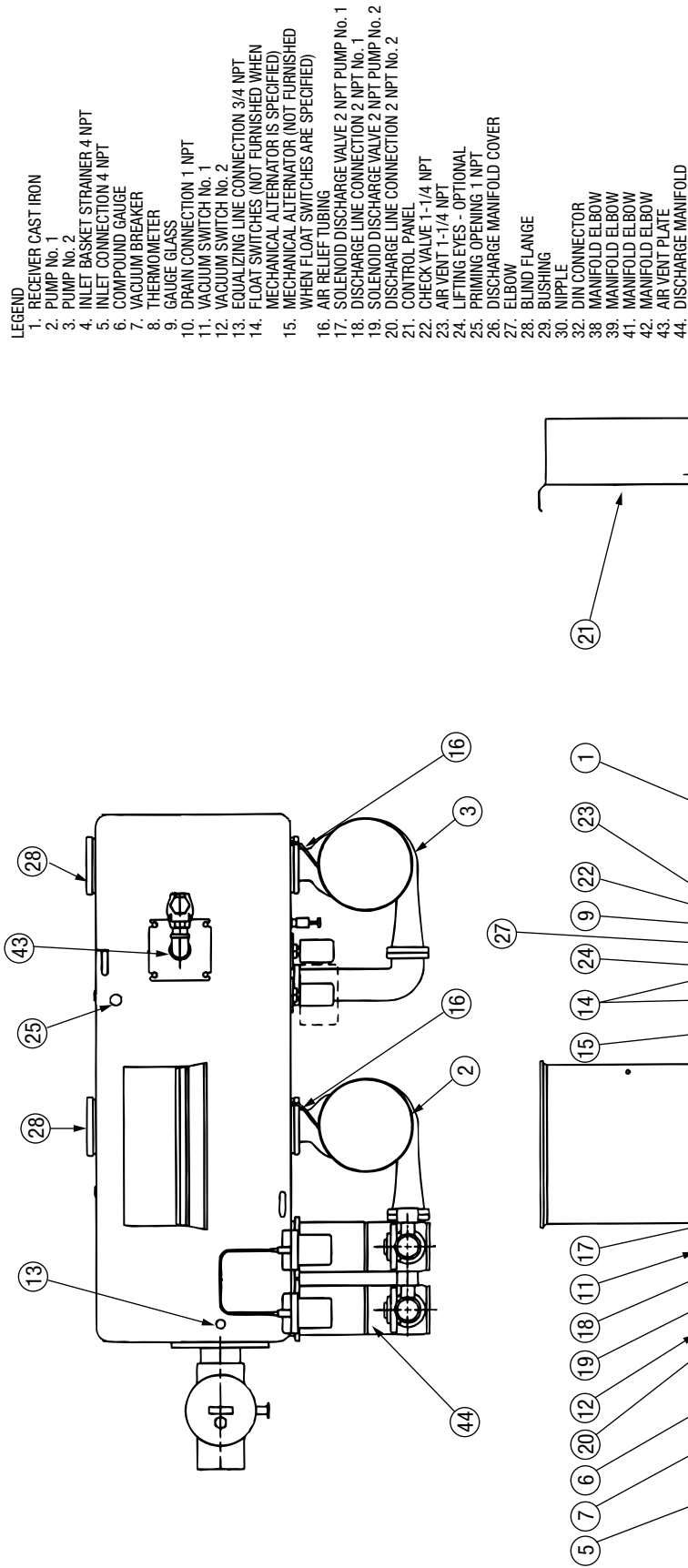
TYPICAL VL/HV  
SIMPLEX UNIT



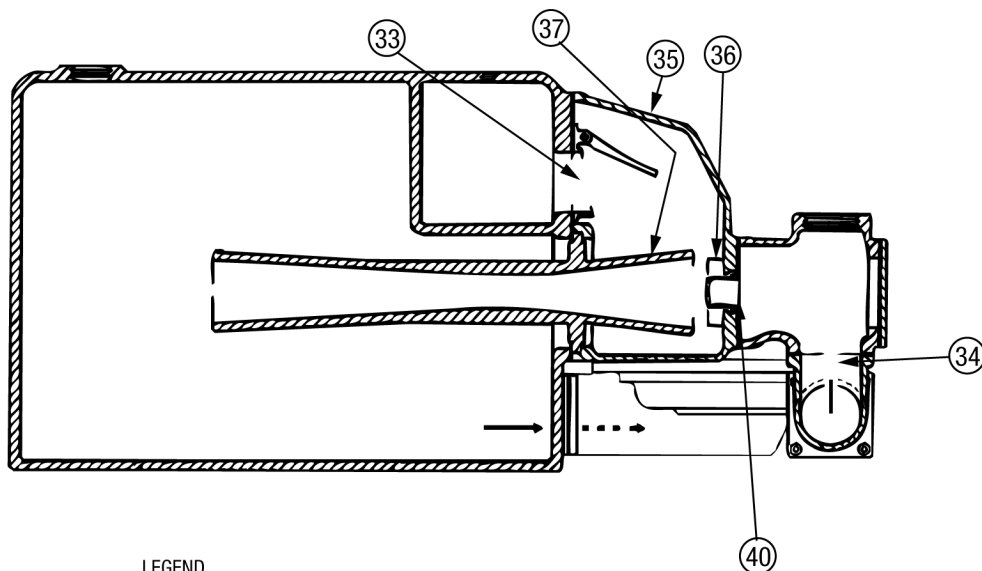
- LEGEND
- 1. RECEIVER CAST IRON
  - 2. PUMP No. 1
  - 3. INLET BASKET STRAINER 3 NPT
  - 4. INLET CONNECTION 3 NPT
  - 5. COMPOUND GAUGE
  - 6. VACUUM BREAKER
  - 7. THERMOMETER
  - 8. GAUGE GLASS
  - 9. DRAIN CONNECTION 1 NPT
  - 10. VACUUM SWITCH
  - 11. EQUALIZING LINE CONNECTION 3/4 NPT
  - 12. FLOAT SWITCH
  - 13. AIR RELIEF TUBING
  - 14. SOLENOID DISCHARGE VALVE 1-1/2 NPT
  - 15. DISCHARGE LINE CONNECTION 1-1/2 NPT
  - 16. CONTROL PANEL
  - 17. CHECK VALVE 1-1/4 NPT
  - 18. AIR VENT 1-1/4 NPT
  - 19. LIFTING EYES - OPTIONAL
  - 20. PRIMING OPENING 1 NPT
  - 21. DISCHARGE MANIFOLD COVER
  - 22. ELBOW
  - 23. BLIND FLANGE
  - 24. AIR VENT PLATE
  - 25. DISCHARGE MANIFOLD BODY
  - 26. NOZZLE BODY COVERPLATE
  - 27. MANIFOLD COVERPLATE
  - 28. 2-1/2 NPT PLUG
  - 29. BUSHING
  - 30. NIPPLE
  - 31. DISCHARGE SOLENOID VALVE
  - 32. DIN CONNECTOR
  - 38. ELBOW
  - 39. ELBOW



TYPICAL VL/HV  
DUPLEX UNIT



## TYPICAL VL/HV CUT-AWAY Side View of Vacuum Producing Area



- LEGEND  
33. CHECK VALVE  
34. INSERT MANIFOLD  
35. NOZZLE BODY  
36. NOZZLE  
37. VENTURI  
40. NOZZLE RETAINING RING



## Domestic Pump

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