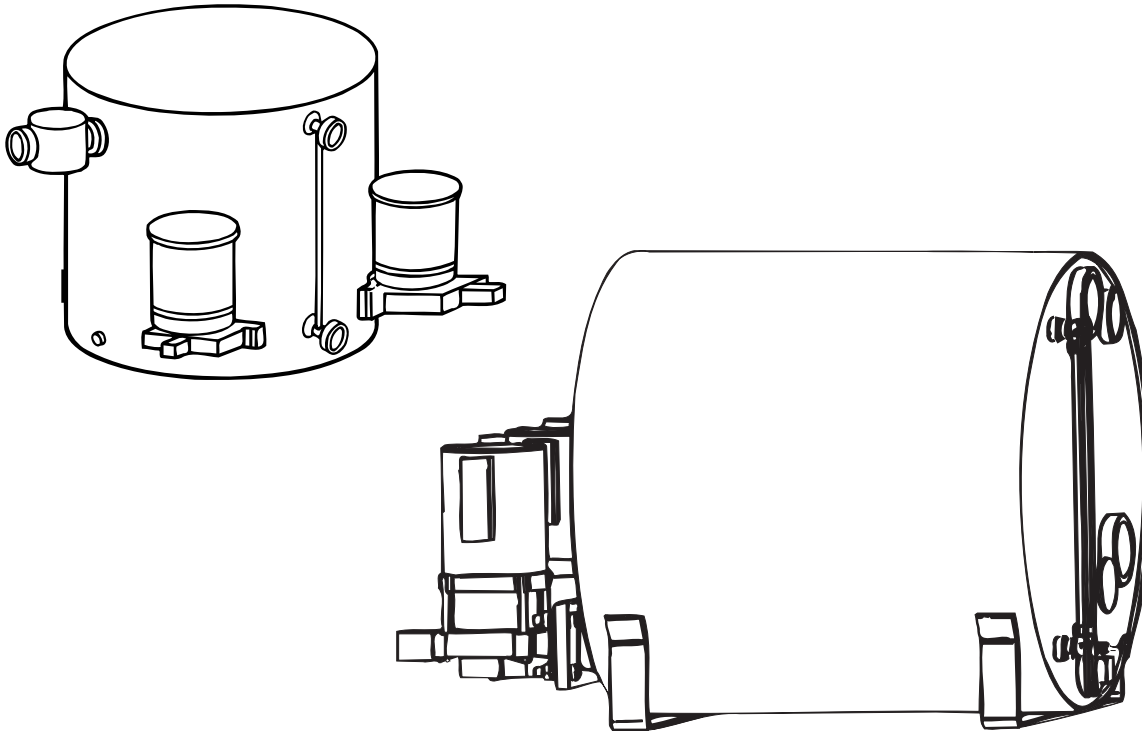




ITT

Bell & Gossett®
Parts List DHP-650-PL



Replacement Parts for
**Hoffman Series VBF &
Hoffman Series HBF**
Boiler Feed Units

Engineered for life

SERIES VBF & HBF

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How to use this PARTS LIST

The nameplate identifies the unit by its model number and capacities are noted. Specific unit information is determined by identifying the model number. Parts information is detailed by Model Number and Product Code Number.

TM		
SERIES TM		
MODEL		
SERIAL		
GPM	PSI	PUMP
POWER V.	PH.	HZ60
CONTROL V.	PH. 1	HZ60
TOTAL F.L. AMP	LARGEST F.L. AMP	
DN0019 ITT Bell & Gossett		

The following procedure will result in proper parts selection:

1. Determine from the unit nameplate the unit model number.
2. Refer to the index to identify the appropriate page for parts selection.
3. Using the appropriate referenced drawings, select the parts.

30 VBF

NO. OF PUMPS	SIMPLEX		DUPLEX	
PRODUCT CODE	161024		161025	
DESCRIPTION	PART #	QTY.	PART #	QTY.
Carton	DC0083	1	DC0083	1
Blind Flange	DF0210	1	not required	not required
Pump Volute to Receiver Gasket	DG0060	2	DG0060	2
Capscrew	DJ0114	8	DJ0114	8
Make Up Valve Assembly	DL1634	1	DL1634	1
Pump and Motor Assembly*	180001	1	180001	2
Receiver	DT0680	1	DT0680	1
Gauge Glass Holders	DV0343	1	DV0343	1
Gauge Glass	DV0353	1	DV0353	1
Guard Rod	DV0383	2	DV0383	2
Nut	F11400	8	F11400	8
Plug	H47900	1	H47900	1

50 VBF

NO. OF PUMPS	SIMPLEX		DUPLEX	
PRODUCT CODE	161001		161002	
DESCRIPTION	PART #	QTY.	PART #	QTY.
Carton	DC0019	1	DC0019	1
Blind Flange	DF0210	1	not required	not required
Pump Volute to Receiver Gasket	DG0060	2	DG0060	2
Capscrew	DJ0114	8	DJ0114	8
Make Up Valve Assembly	DL1634	1	DL1634	1
Pump and Motor Assembly*	180001	1	180001	2
Receiver	DT0420	1	DT0420	1
Gauge Glass Holders	DV0343	1	DV0343	1
Gauge Glass	DV0359	1	DV0359	1
Guard Rod	DV0385	2	DV0385	2
Nut	F11400	8	F11400	8
Plug	H47900	1	H47900	1

100 VBF

NO. OF PUMPS	SIMPLEX		DUPLEX		TRIPLEX	
PRODUCT CODE	161003		161004		161005	
DESCRIPTION	PART #	QTY.	PART #	QTY.	PART #	QTY.
Blind Flange	DF0210	2	DF0210	1	not required	not required
Pump Volute to Receiver Gasket	DG0060	3	DG0060	3	DG0060	3
Capscrew	DJ0114	12	DJ0114	12	DJ0114	12
Make Up Valve Assembly	DL1634	1	DL1634	1	DL1634	1
Pump and Motor Assembly*	180001	1	180001	2	180001	3
Receiver	DT0421	1	DT0421	1	DT0421	1
Gauge Glass Holders	DV0343	1	DV0343	1	DV0343	1
Gauge Glass	DV0361	1	DV0361	1	DV0361	1
Guard Rod	DV0387	2	DV0387	2	DV0387	2
Nut	F11400	12	F11400	12	F11400	12
Plug	H47900	1	H47900	1	H47900	1

*Refer to page 10 for Pump and Motor Parts detail.

200 VBF (20 psig Discharge)

NO. OF PUMPS	SIMPLEX		DUPLEX		TRIPLEX (Obsolete 1986)	
PRODUCT CODE	161026		161027		161028	
DESCRIPTION	PART #	QTY.	PART #	QTY.	PART #	QTY.
Blind Flange	DF0210	2	DF0210	1	not required	not required
Pump Volute to Receiver Gasket	DG0060	3	DG0060	3	DG0060	3
Capscrew	DJ0114	12	DJ0114	12	DJ0114	12
Make Up Valve Assembly	DL1634	1	DL1634	1	DL1634	1
Pump and Motor Assembly*	180029	1	180029	2	180029	3
Receiver	DT0422	1	DT0422	1	DT0422	1
Gauge Glass Holders	DV0343	1	DV0343	1	DV0343	1
Gauge Glass	DV0364	1	DV0364	1	DV0364	1
Guard Rod	DV0388	2	DV0388	2	DV0388	2
Connector	DF0506	1	DF0506	1	DF0506	1
Tubing	X42104	1	X42104	1	X42104	1
Nut	F11400	12	F11400	12	F11400	12
Plug	H47900	1	H47900	1	H47900	1

200 VBF (30 psig Discharge)

NO. OF PUMPS	SIMPLEX		DUPLEX		TRIPLEX (Obsolete 1986)	
PRODUCT CODE	161006		161007		161008	
DESCRIPTION	PART #	QTY.	PART #	QTY.	PART #	QTY.
Blind Flange	DF0210	2	DF0210	1	not required	not required
Pump Volute to Receiver Gasket	DG0060	3	DG0060	3	DG0060	3
Capscrew	DJ0114	12	DJ0114	12	DJ0114	12
Make Up Valve Assembly	DL1634	1	DL1634	1	DL1634	1
Pump and Motor Assembly*	180027	1	180027	2	180027	3
Receiver	DT0422	1	DT0422	1	DT0422	1
Gauge Glass Holders	DV0343	1	DV0343	1	DV0343	1
Gauge Glass	DV0364	1	DV0364	1	DV0364	1
Guard Rod	DV0388	2	DV0388	2	DV0388	2
Connector	DF0506	1	DF0506	1	DF0506	1
Tubing	X42104	1	X42104	1	X42104	1
Nut	F11400	12	F11400	12	F11400	12
Plug	H47900	1	H47900	1	H47900	1

*Refer to page 10 for Pump and Motor Parts detail.

50 HBF (15 gpm @ 20 psig)

NO. OF PUMPS	SIMPLEX		DUPLEX	
PRODUCT CODE	161051		161052	
DESCRIPTION	PART #	QTY.	PART #	QTY.
Receiver (50 gal., 24" x 24")	DT0796	1	DT0796	1
Pump Volute to Receiver Gasket	DG0060	2	DG0060	2
Gauge Glass Holders	DV0343	1	DV0343	1
Gauge Glass	DV0354	1	DV0354	1
Guard Rod	DV0385	2	DV0385	2
Make Up Valve Assembly	DL1634	1	DL1634	1
Capscrew	DJ0114	8	DJ0114	8
Blind Flange	DF0210	1	not required	not required
Plug	P39040	1	P39040	1
Plug	H47900	1	H47900	1
Inlet Basket Strainer (Optional)	DA0181	1	DA0181	1
Dial Thermometer (Optional)	DA0101	1	DA0101	1
Suction Butterfly Valve Assembly (Optional)	DV0094	1	DV0094	2
Inlet "Y" Strainer (Optional)	DA0037	1	DA0037	1
Discharge Pressure Gauge (Optional)	DA0113	1	DA0113	2
Plug	J89138	1	J89138	1
Pump and Motor Assembly*	180001	1	180001	2

100 HBF (15 gpm @ 20 psig)

NO. OF PUMPS	SIMPLEX		DUPLEX	
PRODUCT CODE	161053		161054	
DESCRIPTION	PART #	QTY.	PART #	QTY.
Receiver (100 gal., 30" x 36")	DT0797	1	DT0797	1
Pump Volute to Receiver Gasket	DG0060	2	DG0060	2
Gauge Glass Holders	DV0343	1	DV0343	1
Gauge Glass	DV0358	1	DV0358	1
Guard Rod	DV0385	2	DV0385	2
Make Up Valve Assembly	DL1634	1	DL1634	1
Capscrew	DJ0114	8	DJ0114	8
Blind Flange	DF0210	1	not required	not required
Plug	P39040	1	P39040	1
Plug	H47900	1	H47900	1
Inlet Basket Strainer (Optional)	DA0182	1	DA0182	1
Dial Thermometer (Optional)	DA0101	1	DA0101	1
Suction Butterfly Valve Assembly (Optional)	DV0094	1	DV0094	2
Inlet "Y" Strainer (Optional)	DA0038	1	DA0038	1
Discharge Pressure Gauge (Optional)	DA0113	1	DA0113	2
Plug	J89138	1	J89138	1
Pump and Motor Assembly*	180001	1	180001	2

*Refer to page 10 for Pump and Motor Parts detail.

100 HBF (20 gpm @ 30 psig)

NO. OF PUMPS	SIMPLEX		DUPLEX	
PRODUCT CODE	161055		161056	
DESCRIPTION	PART #	QTY.	PART #	QTY.
Receiver (100 gal., 30" x 36")	DT0797	1	DT0797	1
Pump Volute to Receiver Gasket	DG0060	2	DG0060	2
Gauge Glass Holders	DV0343	1	DV0343	1
Gauge Glass	DV0358	1	DV0358	1
Guard Rod	DV0385	2	DV0385	2
Make Up Valve Assembly	DL1634	1	DL1634	1
Capscrew	DJ0114	8	DJ0114	8
Blind Flange	DF0210	1	not required	not required
Plug	P39040	1	P39040	1
Plug	H47900	1	H47900	1
Inlet Basket Strainer (Optional)	DA0182	1	DA0182	1
Dial Thermometer (Optional)	DA0101	1	DA0101	1
Suction Butterfly Valve Assembly (Optional)	DV0094	1	DV0094	2
Inlet "Y" Strainer (Optional)	DA0038	1	DA0038	1
Discharge Pressure Gauge (Optional)	DA0113	1	DA0113	2
Plug	J89138	1	J89138	1
Pump and Motor Assembly*	161037	1	161037	2

200 HBF (30 gpm @ 20 psig)

NO. OF PUMPS	SIMPLEX		DUPLEX	
PRODUCT CODE	161057		161058	
DESCRIPTION	PART #	QTY.	PART #	QTY.
Receiver (200 gal., 30" x 72")	DT0798	1	DT0798	1
Pump Volute to Receiver Gasket	DG0060	2	DG0060	2
Gauge Glass Holders	DV0343	1	DV0343	1
Gauge Glass	DV0358	1	DV0358	1
Guard Rod	DV0385	2	DV0385	2
Make Up Valve Assembly	DL1634	1	DL1634	1
Capscrew	DJ0114	8	DJ0114	8
Blind Flange	DF0210	1	not required	not required
Plug	P39040	1	P39040	1
Plug	H47900	1	H47900	1
Inlet Basket Strainer (Optional)	DA0182	1	DA0182	1
Dial Thermometer (Optional)	DA0101	1	DA0101	1
Suction Butterfly Valve Assembly (Optional)	DV0094	1	DV0094	2
Inlet "Y" Strainer (Optional)	DA0038	1	DA0038	1
Discharge Pressure Gauge (Optional)	DA0113	1	DA0113	2
Plug	J89138	1	J89138	1
Pump and Motor Assembly*	180029	1	180029	2

*Refer to page 10 for Pump and Motor Parts detail.

200 HBF (30 gpm @ 30 psig)

NO. OF PUMPS	SIMPLEX		DUPLEX	
PRODUCT CODE	161059		161060	
DESCRIPTION	PART #	QTY.	PART #	QTY.
Receiver (200 gal., 30" x 72")	DT0798	1	DT0798	1
Pump Volute to Receiver Gasket	DG0060	2	DG0060	2
Gauge Glass Holders	DV0343	1	DV0343	1
Gauge Glass	DV0358	1	DV0358	1
Guard Rod	DV0385	2	DV0385	2
Make Up Valve Assembly	DL1634	1	DL1634	1
Capscrew	DJ0114	8	DJ0114	8
Blind Flange	DF0210	1	not required	not required
Plug	P39040	1	P39040	1
Plug	H47900	1	H47900	1
Inlet Basket Strainer (Optional)	DA0182	1	DA0182	1
Dial Thermometer (Optional)	DA0101	1	DA0101	1
Suction Butterfly Valve Assembly (Optional)	DV0094	1	DV0094	2
Inlet "Y" Strainer (Optional)	DA0038	1	DA0038	1
Discharge Pressure Gauge (Optional)	DA0113	1	DA0113	2
Plug	J89138	1	J89138	1
Pump and Motor Assembly*	180027	1	180027	2

200 HBF (40 gpm @ 20 psig)

NO. OF PUMPS	SIMPLEX		DUPLEX	
PRODUCT CODE	161061		161062	
DESCRIPTION	PART #	QTY.	PART #	QTY.
Receiver (200 gal., 30" x 72")	DT0798	1	DT0798	1
Pump Volute to Receiver Gasket	DG0060	2	DG0060	2
Gauge Glass Holders	DV0343	1	DV0343	1
Gauge Glass	DV0358	1	DV0358	1
Guard Rod	DV0385	2	DV0385	2
Make Up Valve Assembly	DL1634	1	DL1634	1
Capscrew	DJ0114	8	DJ0114	8
Blind Flange	DF0210	1	not required	not required
Plug	P39040	1	P39040	1
Plug	H47900	1	H47900	1
Inlet Basket Strainer (Optional)	DA0182	1	DA0182	1
Dial Thermometer (Optional)	DA0101	1	DA0101	1
Suction Butterfly Valve Assembly (Optional)	DV0094	1	DV0094	2
Inlet "Y" Strainer (Optional)	DA0038	1	DA0038	1
Discharge Pressure Gauge (Optional)	DA0113	1	DA0113	2
Plug	J89138	1	J89138	1
Pump and Motor Assembly**	161038	1	161038	2

*Refer to page 10 for Pump and Motor Parts detail.

**Refer to page 11 for Pump and Motor Parts detail.

200 HBF (40 gpm @ 30 psig)

NO. OF PUMPS	SIMPLEX		DUPLEX	
PRODUCT CODE	161063		161064	
DESCRIPTION	PART #	QTY.	PART #	QTY.
Receiver (200 gal., 30" x 72")	DT0798	1	DT0798	1
Pump Volute to Receiver Gasket	DG0060	2	DG0060	2
Gauge Glass Holders	DV0343	1	DV0343	1
Gauge Glass	DV0358	1	DV0358	1
Guard Rod	DV0385	2	DV0385	2
Make Up Valve Assembly	DL1634	1	DL1634	1
Capscrew	DJ0114	8	DJ0114	8
Blind Flange	DF0210	1	not required	not required
Plug	P39040	1	P39040	1
Plug	H47900	1	H47900	1
Inlet Basket Strainer (Optional)	DA0182	1	DA0182	1
Dial Thermometer (Optional)	DA0101	1	DA0101	1
Suction Butterfly Valve Assembly (Optional)	DV0094	1	DV0094	2
Inlet "Y" Strainer (Optional)	DA0038	1	DA0038	1
Discharge Pressure Gauge (Optional)	DA0113	1	DA0113	2
Plug	J89138	1	J89138	1
Pump and Motor Assembly*	161039	1	161039	2

DL1634 Make-Up Valve Assembly

DESCRIPTION	PART #	QTY.
Float Valve Only (less float and adapter)	DV0124	1
Float	DA0164	1
2 1/2" Adapter	DL1750	1

*Refer to page 11 for Pump and Motor Parts detail.

180001 Pump and Motor Assembly

ITEM NO.	DESCRIPTION	NO. REQ.	PART NO.
1	Motor 1/3 Hp., 1 Ph, 3500 RPM	1	DM0005
2	Seal Holder	1	DP0290
3	Seal	1	DP0304
4	Impeller	1	DP0321
5	Head Gasket	1	DG0092
6	Volute with Wearing Ring	1	DP1665
7	Capscrew	4	DJ0083
8	Wearing Ring	1	DP0482
9	Pipe Plug 1/4"	1	P39040
10	Wire Spacer	1	DP0291
11	Water Slinger	1	DP0848
	Seal and Gasket Kit	1	180013

*Plug and opening not furnished on units built during 1994 & 1995.

180027, 180029 & 161037 (616PF)

ITEM NO.	DESCRIPTION	QTY.	1/2 - 2 HP
4	Impeller (ref. unit description for proper trim size)	1	DP0336 ¹
3	Motor Bracket	1	DP0208
2	Volute with Wear Ring	1	DP1603
	Motor for 180027	1	DM0055
	Motor for 180029	1	DM0020
	Motor for 161037	1	DM0040
7	Companion Flange		—
11	Seal & Gasket Kit	1	180014
17	Wear Ring	1	DP0482
18	Impeller Washer	1	DJ0267
12	Volute Gasket	1	DG0086
13	Companion Flange Gasket		—
19	Impeller Capscrew	1	DJ0213
41	Water Slinger	1	DP0848
16	Shaft Extension		—
32	Locking Pin		—
33	Impeller Key		—
31	Stop Nut		—
5	Suction Housing		—
14	Suction Housing Gasket		—
42	Shaft Washer		—

Shaded items are Recommended Spare Parts.

¹Specify required impeller diameter when ordering. If diameter is not specified full diameter will be furnished.

Impeller diameters: 180027 (4⁷/₁₆"), 180029 (3³/₁₆") & 161037 (4⁵/₁₆").

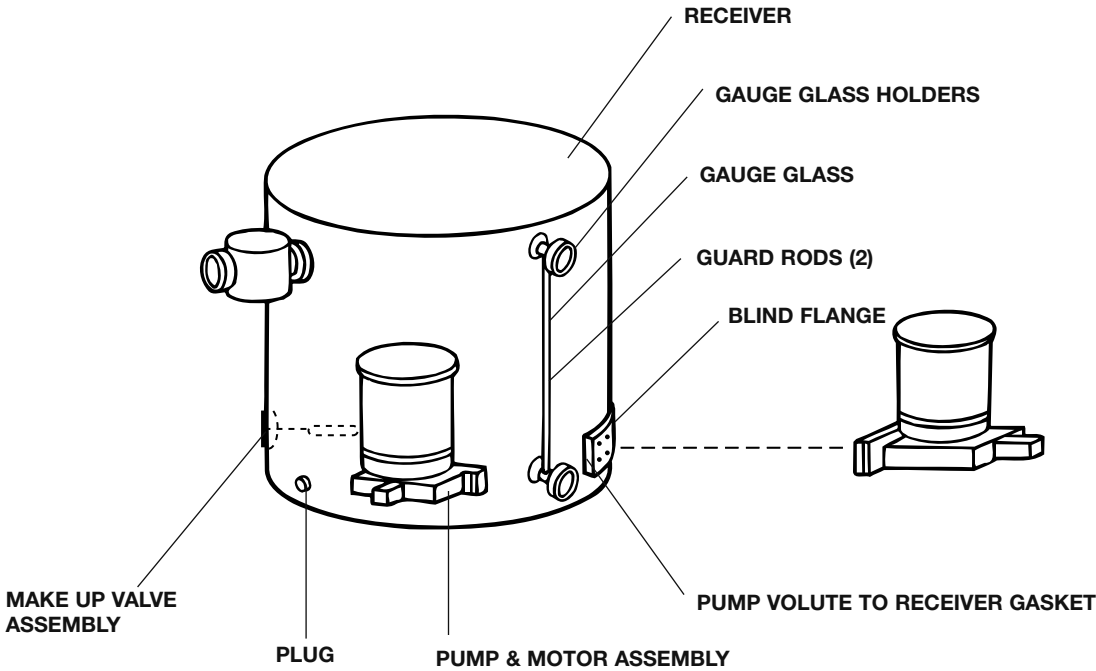
161038 & 161039 (626PF)

ITEM NO.	DESCRIPTION	3/4 - 2 HP
4	Impeller (ref. unit description for proper trim size)	DP0390 ¹
3	Motor Bracket	DP0208
2	Volute with Wear Ring	DP1626
	Motor for 161038	DM0055
	Motor for 161039	DM0070
11	Companion Flange	DF0678
11	Seal & Gasket Kit	180014
17	Wear Ring	DP0483
18	Impeller Washer	DJ0267
12	Volute Gasket	DG0086
13	Companion Flange Gasket	DG0141
19	Impeller Capscrew	DJ0213
41	Water Slinger	DP0848
16	Shaft Extension	—
32	Locking Pin	—
33	Impeller Key	—
31	Stop Nut	—
5	Suction Housing	—
14	Suction Housing Gasket	—
42	Shaft Washer	—

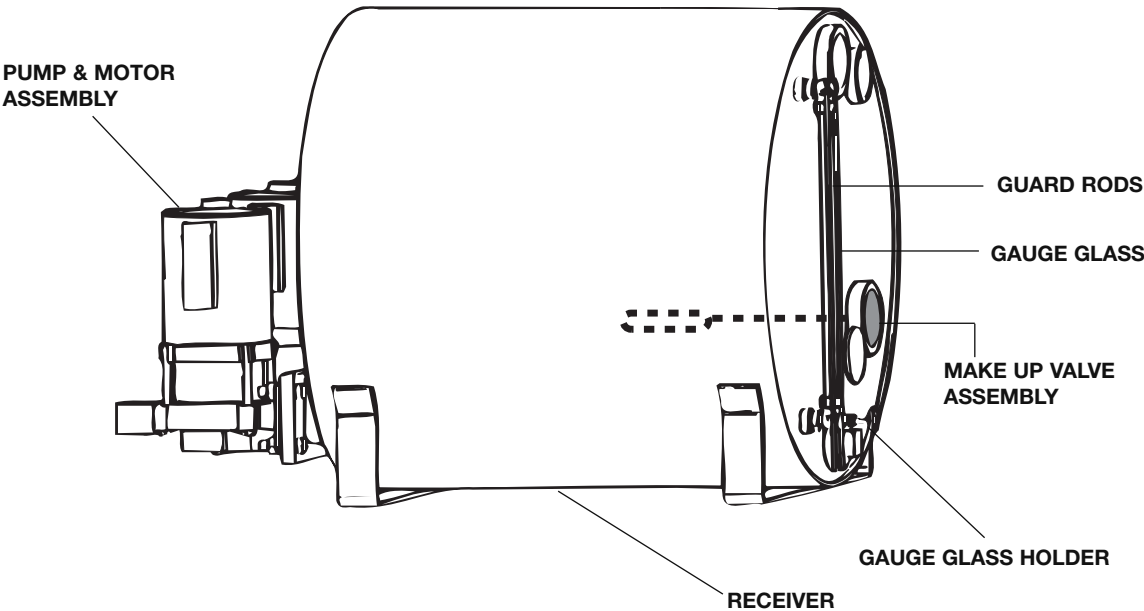
Shaded items are Recommended Spare Parts.

¹Specify required impeller diameter when ordering. If diameter is not specified full diameter will be furnished.
Impeller diameters: 161038 (3¹/₂") & 161039 (4³/₁₆").

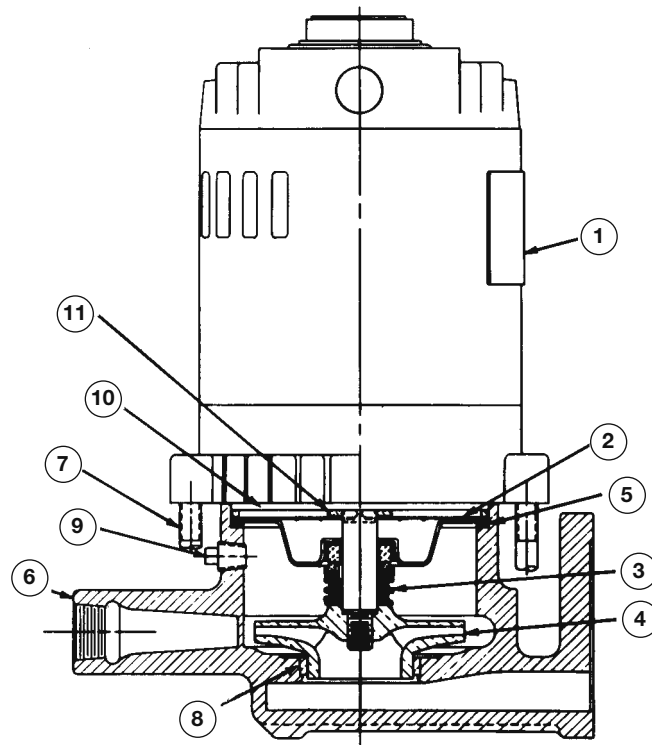
Typical VBF Assembly



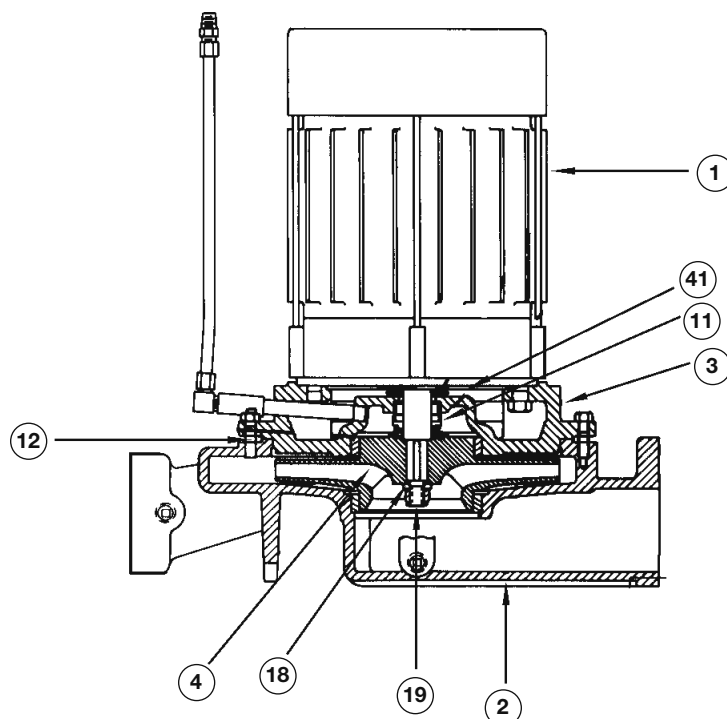
Typical HBF Assembly



180001 Pump and Motor Assembly



180027, 180029, 161037, 161038 & 161039 Pump and Motor Assembly





HBF Unit B-T-O Pump Selections

MODEL NUMBER	GPM	DISCHARGE PSIG	PUMP COMB.	MOTOR HP	MOTOR PART NO.	IMPELLER PART NO.	IMPELLER TRIM.
50HBF (S/D)-0920	9	20	609 PF	$\frac{1}{3}$	DM0005	DP0321	$3\frac{11}{16}$
50HBF (S/D)-0925	9	25	616 PF	$\frac{1}{2}$	DM0020	DP0336	$4\frac{3}{16}$
50HBF (S/D)-0930	9	30	616 PF	$\frac{3}{4}$	DM0040	DP0336	$4\frac{7}{16}$
100HBF (S/D)-0920	9	20	609 PF	$\frac{1}{3}$	DM0005	DP0321	$3\frac{11}{16}$
100HBF (S/D)-0925	9	25	616 PF	$\frac{1}{2}$	DM0020	DP0336	$4\frac{3}{16}$
100HBF (S/D)-0930	9	30	616 PF	$\frac{3}{4}$	DM0040	DP0336	$4\frac{7}{16}$
100HBF (S/D)-1520*	15	20	609 PF	$\frac{1}{3}$	DM0005	DP0321	$3\frac{11}{16}$
100HBF (S/D)-1525	15	25	616 PF	$\frac{1}{2}$	DM0020	DP0336	$4\frac{1}{8}$
100HBF (S/D)-1530	15	30	616 PF	$\frac{3}{4}$	DM0040	DP0336	$4\frac{9}{16}$
100HBF (S/D)-2020	20	20	609 PF	$\frac{1}{3}$	DM0005	DP0321	$3\frac{11}{16}$
100HBF (S/D)-2025	20	25	616 PF	$\frac{3}{4}$	DM0040	DP0336	4
100HBF (S/D)-2030*	20	30	616 PF	$\frac{3}{4}$	DM0040	DP0336	$4\frac{5}{16}$
200HBF (S/D)-2520	25	20	616 PF	$\frac{1}{2}$	DM0020	DP0336	$3\frac{11}{16}$
200HBF (S/D)-2525	25	25	616 PF	$\frac{3}{4}$	DM0040	DP0336	$4\frac{1}{8}$
200HBF (S/D)-2530	25	30	616 PF	1	DM0055	DP0336	$4\frac{3}{8}$
200HBF (S/D)-3020*	30	20	616 PF	$\frac{3}{4}$	DM0040	DP0336	$3\frac{13}{16}$
200HBF (S/D)-3025	30	25	616 PF	$\frac{3}{4}$	DM0040	DP0336	$4\frac{1}{8}$
200HBF (S/D)-3030*	30	30	616 PF	1	DM0055	DP0336	$4\frac{7}{16}$
200HBF (S/D)-4020*	40	20	626 PF	1	DM0055	DP0390	$3\frac{1}{2}$
200HBF (S/D)-4025	40	25	626 PF	$1\frac{1}{2}$	DM0070	DP0390	$3\frac{7}{8}$
200HBF (S/D)-4030*	40	30	626 PF	$1\frac{1}{2}$	DM0070	DP0390	$4\frac{3}{16}$

*Denotes STOCK UNIT capacities. Stock Replacement Pump and Motor Assemblies available. Check appropriate page of parts list for Pump Standard Part Number.

**FOR MORE INFORMATION, CONSULT YOUR LOCAL
ITT BELL & GOSSETT REPRESENTATIVE**

