



96-TD

96-TD LIQUID LINE FILTER-DRIERS

Filter-Driers Designed to Offer Complete Protection to Your Refrigerant System. The 96-TD Series Removes Moisture, Acid and Foreign Materials to Protect the Compressor, Solenoid Valves, Expansion Valves, Capillary Tubes and Other Close Tolerance Parts of Your Refrigeration System

FEATURES

- Solid block desiccant core: a composite of molecular sieve and activated alumina.
- Provides high moisture, organic and inorganic acid removal.
- For use with HCFCs, CFCs and the lubricants that go with them.
- Nickel plated SAE flare and solid copper ODF fittings.
- Corrosion resistant paint.

SPECIFICATIONS

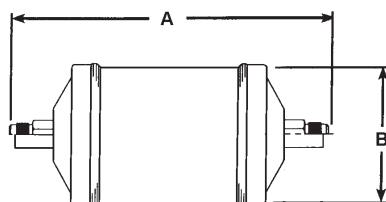
Maximum Working Pressure 500 psig
Minimum Burst Pressure 2500 psig
Agency UL / CUL file number SA11002

INSTALLATION NOTE: The 96-TD liquid line filter-drier may be installed in any position. Best results are achieved when located as close as possible to the inlet of the expansion device. If using a liquid line solenoid or moisture indicator, locate the filter-drier upstream. This will provide protection to the solenoid valve and allow the moisture indicator to measure the drier effectiveness. Install the drier in as cold a location as possible in the direction of the flow arrow on the unit.

SELECTION NOTE: Given the proper liquid line size and connection type, the correct drier may be selected using the charts below. Choosing a unit size with sufficient water capacity to reduce moisture content of the system to a safe level should be considered.

SELECTION

**96-TD Series
Dimensional Drawing**



- ① All ratings in accordance with ARI standard 710-86:
86°F Liquid Refrigerant Temperature,
5°F Saturated Temperature,
4.0 lbs./min./ton for R-134a,
2.9 lbs./min./ton for R-22,
4.4 lbs./min./ton for R-404A/R-507

Model Number	Connection	Flow Capacity in Tons Refrigerant ¹ @ psi (For kW, Multiply Tons By 3.5) ²			
		R-134a	R-22	R-410A	R-404A/R507
96-TD032	1/4 SAE	1.7	1.9	1.9	1.2
96-TD032S	1/4 ODF	2.1	2.2	2.2	1.5
96-TD052	1/4 SAE	1.8	2.0	2.0	1.3
96-TD052S	1/4 ODF	2.6	2.8	2.9	1.9
96-TD053S	3/8 ODF	4.1	4.4	4.5	2.9
96-TD082S	1/4 ODF	2.8	3.0	3.1	2.0
96-TD083S	3/8 ODF	3.8	4.1	4.2	2.7
96-TD163	3/8 SAE	4.0	4.3	4.4	2.9
96-TD163S	3/8 ODF	4.4	4.8	4.9	3.2
96-TD164S	1/2 ODF	7.7	8.4	8.6	5.6
96-TD165S	5/8 ODF	11.8	12.8	13.1	8.5
96-TD303S	3/8 ODF	5.7	6.1	6.2	4.1
96-TD304S	1/2 ODF	7.9	8.6	8.8	5.7
96-TD305S	5/8 ODF	13.1	14.1	14.4	9.5

¹ All Ratings in accordance with ARI standard 710-04 liquid refrigerant Temperature

5°F Saturated vapor temperature

3.1 lbs/min/ton R134a

2.9 lbs/min/ton R22 and R407C

4.0 lbs/min/ton R404A/507 and R-12

4.4 lbs/min/ton R502

2.7 lbs/min/ton R410A

² Example: 1.0 tons x 3.5 = 3.5 KW

CONNECTIONS, DIMENSIONS, FLOW CAPACITORS

Model Number	Connection	Dimension		Refrigeration Low Temperature & -Commercial Installations			Air Conditioning Field Replacement & Field Installations		Air Conditioning OEM Self Contained			
		A	B	R-134a	R-22	R-404A/R507	R-134a	R-22/R-407C/R-410A	R-134a	R-22/R-407C/R-410A		
96-TD032	1/4 SAE	4.32	1.63	1/2	1/2	1/2	1	1 1/2	3/4	1		
96-TD032S	1/4 ODF	3.76	1.63						3/4	3/4	1	1 1/2
96-TD052	1/4 SAE	4.88	2.50	1 1/2	2							
96-TD052S	1/4 ODF	4.33	2.50						1	1	3/4	1 1/2
96-TD053S	3/8 ODF	4.53	2.50	2	3	2	4	5	3	4		
96-TD082S	1/4 ODF	5.24	2.50	3	5	3	4	5	4	7 1/2		
96-TD083S	3/8 ODF	5.43	2.50				5	10	5	7 1/2		
96-TD163	3/8 SAE	6.89	2.50								7 1/2	12
96-TD163S	3/8 ODF	6.22	2.50				4	6	4	5		
96-TD164S	1/2 ODF	6.27	2.50	4	5	4	6	4	5			
96-TD165S	5/8 ODF	6.54	2.50		7 1/2	4	7 1/2	10	7 1/2	9		
96-TD303S	3/8 ODF	8.90	3.00	7 1/2	10	5	10	15	10	14		
96-TD304S	1/2 ODF	8.94	3.00									
96-TD305S	5/8 ODF	9.21	3.00									

¹ All Ratings in accordance with ARI standard 710-04 liquid refrigerant Temperature

5°F Saturated vapor temperature

² Example: 1.0 tons x 3.5 = 3.5 KW

2.9 lbs/min/ton R22 and R407C

4.0 lbs/min/ton R404A/507 and R-12

3.1 lbs/min/ton R134A

4.4 lbs/min/ton R502

2.7 lbs/min/ton R410A