



**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**

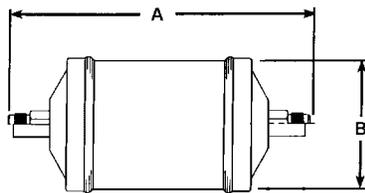
Maximum Working Pressure	500 psig
Minimum Burst Pressure	2500 psig
Agency	U.L. file number SA7175 C.S.A. file number LR100624

**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, connection type and tonnage of the refrigerant system, the correct drier may be selected using the chart below. Choosing a unit size with sufficient water capacity to reduce moisture content of the system to a safe level should be considered.

**SELECTION: CONNECTIONS, DIMENSIONS, FLOW CAPACITIES**

**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	Connections size & type	Dimension		① Flow Capacity Tons @ 1 psi ▲P		
		A	B	R-134a	R-22	R-404A/R507
96-TD032	1/4 SAE	4.32	1.63	2.0	1.9	1.2
96-TD032S	1/4 ODF-3/8 ODM	3.76	1.63	3.0	2.8	1.8
96-TD052	1/4 SAE	4.88	2.50	2.1	2.0	1.3
96-TD052S	1/4 ODF	4.33	2.50	3.0	2.9	1.9
96-TD053	3/8 SAE	5.20	2.50	4.8	4.6	3.0
96-TD053S	3/8 ODF	4.53	2.50	6.0	5.8	3.8
96-TD083	3/8 SAE	6.10	2.50	4.9	4.7	3.0
96-TD163	3/8 SAE	6.89	2.50	5.1	4.9	3.2
96-TD163S	3/8 ODF	6.22	2.50	6.4	6.2	4.0
96-TD164	1/2 SAE	7.13	2.50	8.8	8.4	5.5
96-TD164S	1/2 ODF	6.27	2.50	9.2	8.8	5.7
96-TD305	5/8 SAE	10.18	3.00	12.6	12.1	7.9
96-TD305S	5/8 ODF	9.21	3.00	16.8	16.1	10.5

**NOMINAL SYSTEM TONNAGES BY APPLICATION – 96TD LIQUID LINE FILTER-DRIERS**

Filter-Drier	Refrigeration Low Temp & Comm.			A/C Field Replace. & Install.			A/C OEM Self-Contained		
	R-134a	R-22	R404A/R507	R-134a	R-22	R-404A/R507	R-134a	R-22	R-404A/R507
96-TD032	1/4	1/4	1/4	1/2	1/2	1/2	3/4	1	3/4
96-TD032S	1/4	1/4	1/4	1/2	1/2	1/2	3/4	1	3/4
96-TD052	1/3	1/3	1/3	3/4	3/4	3/4	1	1	1
96-TD052S	1/3	1/3	1/3	3/4	3/4	3/4	1	1	1
96-TD053	1/3	1/3	1/3	1-1/2	2	1	2	3	2
96-TD053S	1/3	1/3	1/3	1-1/2	2	1	2	3	2
96-TD083	1	1	1	2	2	2	3	4	3
96-TD083S	1	1	1	2	2	2	3	4	3
96-TD163	2	2-1/2	2	3	3	2	4	5	3
96-TD163S	2	2-1/2	2	3	3	2	4	5	3
96-TD164	2	3	2	3	5	3	5	7-1/2	5
96-TD164S	2	3	2	3	5	3	5	7-1/2	5
96-TD305	4	5	5	7-1/2	7-1/2	5	10	15	7-1/2
96-TD305S	4	5	5	7-1/2	7-1/2	5	10	15	7-1/2