

LIQUID LINE DRIERS

Submittal Information

Part No. 12501-12517
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Revision 01

General Properties

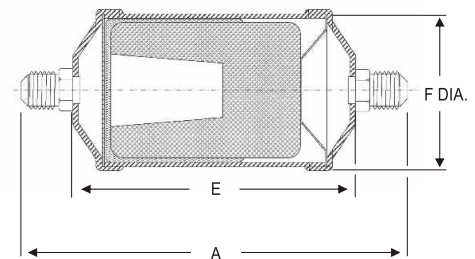
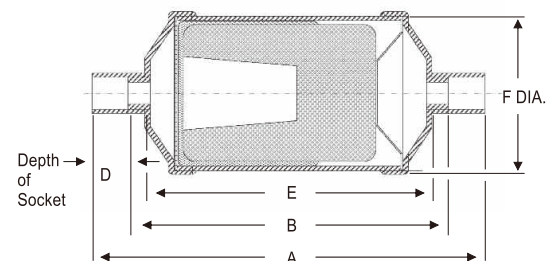
Connection Type: Flare / Sweat
Shell Material: Steel
Application: Refrigeration & Air Conditioning Systems
Certification: UL Listed
Core Type: Solid Core
Core Material: 80% 3A Molecular Sieve / 20% Activated Alumina
Filtration Rating: 20 Microns (20 μ m)
Refrigerant Compatibility: R-12, R-134a, R-22, R-404A, R-407C, R-410A, R-500, R-502, R-507
Coating: Corrosion Resistant Epoxy Powder Coating
Salt Spray Resistance: 500+ Hours
Maximum Working Pressure: 680 PSI (4.7 MPa)

Specification

ITEM NO.	DESCRIPTION	CONNECTION(IN)		LIQUIDFLOWCAPACITY (TONS)						A (IN)	B (IN)	D (IN)	E (IN)	F (IN)
		ODF	SAE	R134a	R12	R22R-410a	R407c	R404aR-507	R502					
12501	1/4" FLARE, 3 CUBIC INCH		1/4	1.61	2.09	2.21	2.12	1.45	1.45	4.13	-----	-----	2.36	1.69
12502	1/4" SWEAT, 3 CUBIC INCH	1/4		2.21	2.72	2.88	2.88	1.98	1.98	3.78	2.56	0.61		
12503	1/4" FLARE, 5 CUBIC INCH		1/4	1.72	2.12	2.32	2.22	1.52	1.52	4.86	-----	-----		
12504	1/4" SWEAT, 5 CUBIC INCH	1/4		2.72	3.32	3.62	3.52	2.42	2.31	4.55	3.33	0.61	3.13	
12505	3/8" SWEAT, 5 CUBIC INCH	3/8		3.62	4.41	4.78	4.68	3.23	3.13	4.63	3.37	0.63		
12506	1/4" FLARE, 8 CUBIC INCH		1/4	1.89	2.31	2.28	2.45	1.69	1.58	5.63	-----	-----		
12507	1/4" SWEAT, 8 CUBIC INCH	1/4		2.55	3.12	3.46	3.34	2.23	2.23	5.28	4.06	0.61		
12508	3/8" SWEAT, 8 CUBIC INCH	3/8		3.76	4.56	4.88	4.78	3.29	3.19	5.35	4.09	0.63	3.86	2.50
12509	1/2" SWEAT, 8 CUBIC INCH	1/2		5.88	7.12	7.74	7.55	5.12	5.07	5.42	4.17	0.62		
12510	3/8" FLARE, 16 CUBIC INCH		3/8	3.19	3.88	4.25	4.11	2.78	2.71	7.01	-----	-----		
12511	3/8" SWEAT, 16 CUBIC INCH	3/8		3.61	4.41	4.79	4.77	3.16	3.13	6.17	5.08	0.54	4.84	
12512	1/2" SWEAT, 16 CUBIC INCH	1/2		7.10	8.50	9.22	9.01	6.21	6.02	6.23	5.16	0.54		
12513	3/8" FLARE, 30 CUBIC INCH		3/8	3.61	4.34	4.71	4.61	3.16	3.11	9.51	-----	-----		
12514	3/8" SWEAT, 30 CUBIC INCH	3/8		5.23	6.36	6.87	6.78	4.63	4.45	8.84	7.58	0.63		
12515	1/2" SWEAT, 30 CUBIC INCH	1/2		8.78	10.62	11.52	11.36	7.74	7.53	9.00	7.66	0.67	7.34	3
12516	5/8" FLARE, 30 CUBIC INCH		5/8	8.78	10.89	11.56	11.35	7.74	7.54	10.10	-----	-----		
12517	5/8" SWEAT, 30 CUBIC INCH	5/8		10.32	12.51	13.52	13.33	9.12	8.84	9.23	7.74	0.75		

Features

- UL Listed to meet applicable safety requirements.
- High-efficiency filtration helps remove contaminants and protect system components.
- Solid core design provides reliable moisture removal and acid control.
- Advanced desiccant core combines 3A molecular sieve and activated alumina for enhanced drying performance.
- Multiple connection options and core capacities are available for flexible system applications.



Installation Notes

- Install the drier in the liquid line according to system manufacturer recommendations.
- Follow the indicated flow direction arrow during installation.
- Use proper brazing procedures to prevent overheating and contamination.
- Replace the drier after major system repairs or compressor replacement.