

BI FLOW DRIER

Submittal Information

Part No. 12541-12548
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Revision 01

General Properties

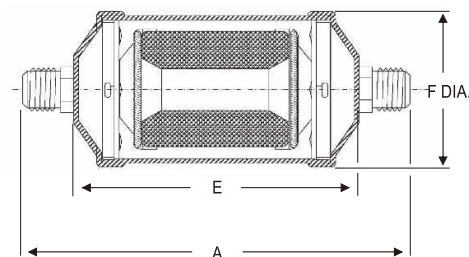
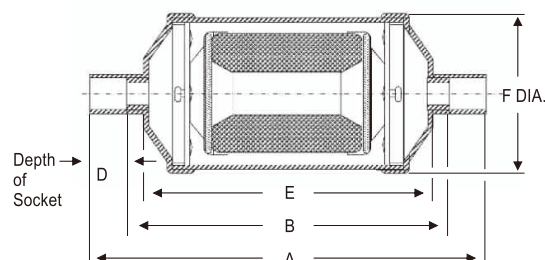
Connection Type: Flare / Sweat
Shell Material: Steel
Application: Heat Pump & Refrigeration Systems
Certification: UL Listed
Core Type: Solid Core
Core Material: Molecular Sieve / Activated Alumina
Filtration Rating: 20 Microns (20 µm)
Refrigerant Compatibility: R-12, R-134a, R-22, R-404A, R-407C, R-410A, 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)		LIQUID FLOW CAPACITY (TONS)			A	B	D	E	F
		ODF	SAE	R-22	R-410A	R-407C	(in.)	(in.)	(in.)	(in.)	(in.)
12541	3/8" SWEAT BI FLOW DRIER, 8 CUBIC INCH	3/8	-----	5.1	5.1	5	5.55	4.29	0.63	4.06	2.5
12542	1/2" SWEAT BI FLOW DRIER, 8 CUBIC INCH	1/2	-----	8.1	8.1	7.9	5.61	4.37	0.62	4.06	2.5
12543	3/8" FLARE BI FLOW DRIER, 16 CUBIC INCH	-----	3/8	4.6	4.6	4.5	6.59	-----	-----	4.43	3
12544	3/8" SWEAT BI FLOW DRIER, 16 CUBIC INCH	3/8	-----	5.2	5.2	5.1	5.75	4.67	0.54	4.43	3
15545	5/8" SWEAT BI FLOW DRIER, 16 CUBIC INCH	5/8	-----	8.7	8.7	8.5	6	4.82	0.59	4.43	3
12546	3/8" FLARE BI FLOW DRIER, 8 CUBIC INCH	-----	3/8	4.5	4.5	4.4	6.22	-----	-----	4.06	2.5
12547	1/2" FLARE BI FLOW DRIER, 8 CUBIC INCH	-----	1/2	6.4	6.4	6.3	6.38	-----	-----	4.06	2.5
12548	1/2" SWEAT BI FLOW DRIER, 16 CUBIC INCH	1/2	-----	8.1	8.1	7.9	5.81	4.74	0.54	4.43	3

Features

- UL Listed to meet applicable safety requirements.
- Bi-directional flow design allows refrigerant flow reversal for heat pump and reversible system applications.
- Solid core construction provides effective moisture removal, acid control, and system protection.
- Integrated non-return valves help maintain proper filtration performance during changing flow conditions.
- High-efficiency filtration with 20-micron rating helps remove contaminants while maintaining low pressure drop.



Installation Notes

- Install the drier in the suction line according to system manufacturer recommendations.
- Install according to the flow direction indicated on the product label when applicable.
- Use proper brazing procedures to prevent overheating and contamination.
- Ensure sufficient clearance for service access and pressure measurement.
- Replace the drier after major system repairs or compressor burnout.