Technical Data Sheet

DAKOTA
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SUCTION LINE DRIERS

Submittal Information

Part No.	12520-91002
Document No.	SPEC12520
Date	2026-07-14
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: Molecular Sieve / Activated Alumina

Filtration Rating: 20 Microns (20 µm)

Valve Type: Dual Access Valves

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

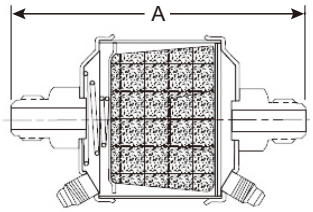
Maximum Working Pressure: 500 PSI (3.5 MPa)

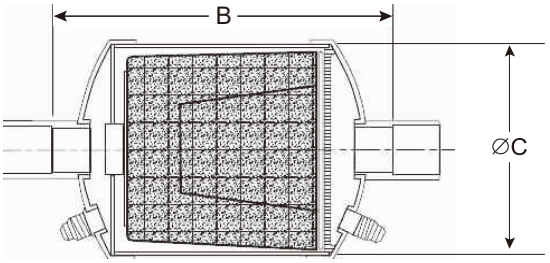
Specification

ITEM NO.	DESCRIPTION	CONNECTION	LIQUID FLOW CAPACITY (TONS)															A (in.)	B (in.)	C (in.)
			R-22			R-134a			R-404A/R507			R-407C			R-410A					
			40°F	0°F	-40°F	40°F	0°F	-20°F	40°F	0°F	-40°F	40°F	0°F	-40°F	40°F	0°F	-40°F			
12520	13 CUBIC INCH	5/8" ODF	5	2.5	1	3.2	2.1	1.4	4.5	2.1	0.8	4.9	2.5	1	6.2	1.9	0.7	4.91	3.45	4
12521	13 CUBIC INCH	3/4" ODF	7	3	1	4.5	2.5	1.9	6.3	2.6	0.8	6.8	3	1	8.7	2.3	0.7	4.97	3.45	4
12522	27 CUBIC INCH	7/8" ODF	10	5	2	6.4	4.2	2.9	8.9	4.3	1.6	9.7	5	2.1	12	3.8	1.5	6.97	5.47	4
12523	27 CUBIC INCH	1-1/8" ODF	13	6	2	8.3	5.1	3.8	12	5.1	1.6	13	6	2.1	16	4.5	1.5	7.72	5.47	4
12524	54 CUBIC INCH	1-3/8" ODF	20	9.5	3.5	13	8	6.2	18	8.1	2.8	20	9.5	3.6	25	7.2	2.6	12	9.17	4
91001	8 CUBIC INCH	3/4" ODF	4.2	1.9	0.6	2.7	1.6	1.2	3.8	1.6	0.5	4.1	1.9	0.6	5.2	1.4	0.4	4.72	3.16	3
91002	8 CUBIC INCH	7/8" ODF	4.2	1.9	0.6	2.7	1.6	1.2	3.8	1.6	0.5	4.1	1.9	0.6	5.2	1.4	0.4	4.72	3.16	3

Features

- UL Listed to meet applicable safety requirements.
- High-efficiency filtration helps remove contaminants and protect refrigeration components.
- Solid core design provides effective moisture removal and acid control for improved system reliability.
- Large diameter shell design helps reduce pressure drop and improve system efficiency.
- Dual access valves simplify pressure drop measurement, and ODF connections feature TP2 copper tubing for reliable brazing performance.





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.

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