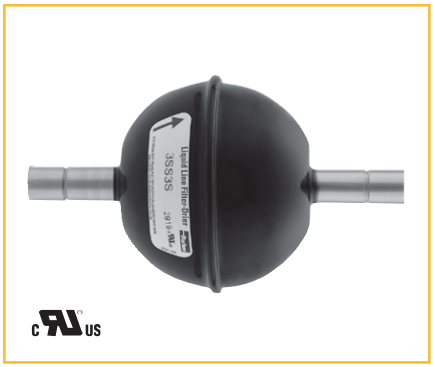
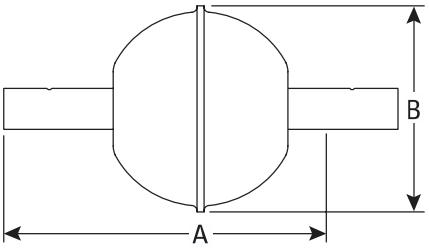
Sahara Series™ Liquid Line Filter-Driers
Type SS

The new Sahara Series filter-driers are ideal for protecting air-conditioning systems from the harmful effects of moisture, acid, and solid debris. The compact design reduces lay-in requirements. Multiple size products are available to optimize contaminant control. Replaced the existing Sahara Series Liquid Line Filter-Driers in a reduced size.





Features and Benefits

- High capacity solid core design for excellent moisture and acid protection in R-410A AC systems
- High filtration capacity for solid debris protection
- Unique, compact shape minimizes pressure drop and reduces refrigerant requirements
- Solid copper fittings for easy brazing
- High performance epoxy powder paint for excellent corrosion protection
- Minimal free internal volume reduces refrigerant filling needs
- UL Recognized component (File SA1756, cURus)

Specifications

- 650 psi (45 bar) Maximum Rated Pressure
- 100% molecular sieve to maximize water absorption
- 10 micron outlet filter (@ 50% efficiency)
- 500 hour salt spray per ASTM B117
- Patented spherical design
- RoHS and REACH Compliant
- No CE marking according to Art. 3.3 PED 97/23 EC.

Dimensions

Model Number	Replaced Model	Part Number	Recommended Tonnage Air-Conditioning	Connection Size (Inches)	Overall Length		Lay-In Length "A"		Body Diameter "B"	
					Inches	mm	Inches	mm	Inches	mm
2SS3S	SS-053S	407400	1/2 – 2	3/8	4.24	108	3.36	85	2.23	57
3SS3S	SS-083S	407401	1 – 3	3/8	4.71	120	3.83	97	2.77	70
5SS3S	SS-163S	407402	2 – 5	3/8	5.29	134	4.41	112	3.46	88

Performance Ratings with R-410A at AHRI Standard Conditions

Model Number	Water Capacity		Flow Capacity		Liquid Refrigerant Holding Capacity	
	Drops @ 125°F	Grams @ 52°C	Tons @ 1 psi ΔP	kW @ 0.07 bar ΔP	Ounces @ 100°F	kg @ 38°C
2SS3S	50	2.5	4.8	16.8	1.1	0.03
3SS3S	100	5	5.2	18.3	2.2	0.06
5SS3S	200	10	5.3	18.6	4.4	0.12