

## Sahara Series Filter-Driers

# Sahara

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The improved design of the Sahara Series filter-drier ensures prolonged performance of air conditioning and heat pump systems. The Sahara Series filter-drier will protect the compressor, valves, and other system components from the harmful effects of moisture and solid debris.

### Features & Benefits:

- Excellent moisture protection in HVAC/R systems
- Best-in-class filtration capacity and efficiency for solid debris protection due to solid core design
- Suitable for use with HCFC, HFC, and HFO based refrigerant blends and MO, POE, and PVE lubricants
- 100% solid copper fittings for easy brazing
- Exceptional UV protection from polyester powder paint



### Specifications:

- 650 psi (45 bar) Maximum Rated Pressure
- 100% molecular sieve solid core to maximize water adsorption
- 10-micron outlet filter for AC Unit Driers
- Patented design for Heat Pump Driers, U.S. Pat. #: 11,391,498
- 500-hour salt spray per ASTM B117
- UL Listed component File SA1756 – SMGT2/SMGT8, cURus
- RoHS and REACH Compliant
- No CE marking according to Art. 3.3 PED 97/23 EC



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# Specifications - Sahara Series

## Models

PARKER PART NUMBER*	PART DESCRIPTION	APPLICATION	SELECTION RECOMMENDATION	CONNECTION SIZE	NOMINAL CORE VOLUME
L183SA	3SS3S	AC Unit	1-3 Tons	3/8" ODF	8 in <sup>3</sup>
L163SA	5SS3S	AC Unit	2-5 Tons	3/8" ODF	16 in <sup>3</sup>
B183SA	3SSBF3S	Heat Pump	1-3 Tons	3/8" ODF	8 in <sup>3</sup>
B163SA	5SSBF3S	Heat Pump	2-5 Tons	3/8" ODF	16 in <sup>3</sup>

\*Reference Parker Part Numbers for ordering.

## Refrigerant Holding Capacities

MODEL	OUNCES OF REFRIGERANT BY WEIGHT at 100°F			
	R-32	R-407A/C/F	R-410A	R-454B
3SS3S	5.7	6.8	6.2	5.8
5SS3S	8.4	10.0	9.2	8.6
3SSBF3S	5.7	6.9	6.3	5.9
5SSBF3S	8.3	9.8	9.0	8.5

## Water and Filtration Capacity

MODEL	RATINGS AT AHRI STANDARD CONDITIONS								
	DROPS OF WATER CAPACITY								FILTRATION CAPACITY In Grams at 5 psi ΔP
	R-32		R-407A/C/F		R-410A		R-454B		
	75°F	125°F	75°F	125°F	75°F	125°F	75°F	125°F	
3SS3S	190	41	252	198	198	114	220	89	15
5SS3S	273	59	363	285	285	164	316	129	20
3SSBF3S	162	35	216	169	169	97	188	77	12
5SSBF3S	257	55	341	268	268	154	297	121	15

20 Drops = 1 Gram

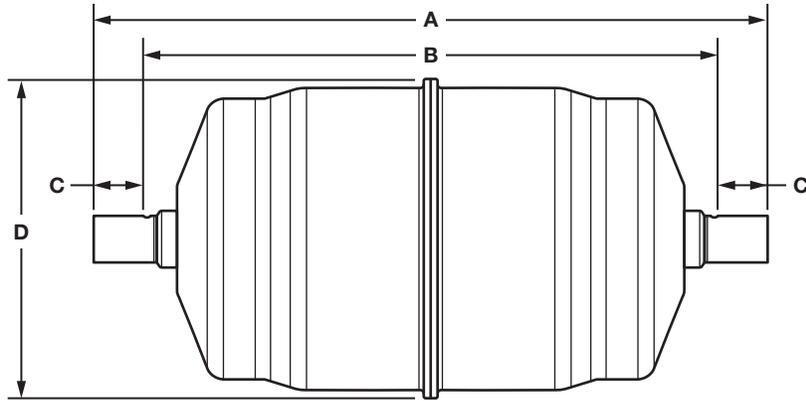
## Selection Recommendations

MODEL	RATINGS AT AHRI STANDARD CONDITIONS						
	FLOW CAPACITY Tons at 1 psi ΔP						
	R-22	R-32	R-407A	R-407C	R-407F	R-410A	R-454B
3SS3S	5.9	8.5	5.5	5.9	6.0	6.0	7.0
5SS3S	5.9	8.5	5.5	5.9	6.0	6.0	7.0
3SSBF3S	6.0	8.6	5.6	6.0	6.1	6.0	7.0
5SSBF3S	6.0	8.6	5.6	6.0	6.1	6.0	7.0

# Specifications - Sahara Series

## Dimensions - Inches

MODEL	A Overall Length	B Lay-In Length	C Socket Depth	D Center Weld
3SS3S 3SSBF3S	5.38	4.50	0.44	2.66
5SS3S 5SSBF3S	6.04	5.16	0.44	2.99



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