



SPORLAN

90HP Series Filter-Drier[®]

C02 Sealed Model Filter-Drier





90HP Series Sealed Filter-Driers



The 90HP Series sealed model filter-driers were created for safeguarding HVAC/R CO2 (R-744) systems. The 90HP protects compressors, valves, and other system components from the harmful effects of moisture, acid, and solid debris. This filter-drier is ideal for

refrigeration OEM applications as well as air-conditioning applications that use CO2 (R-744) refrigerant. The high pressure rating of 90 bar (1,305 psi) allows the filter-drier to withstand the high pressures throughout a transcritical CO2 HVAC/R system.

DESIGN FEATURES

- 90 bar (1,305 psi) maximum rated pressure
- 100% molecular sieve solid core for maximum water adsorption
- 10-micron outlet filter pad
- Solid copper fittings for easy brazing
- 500-hour salt spray per ASTM B117
- UL Listed component under File SA1756

REFRIGERANT HOLDING CAPACITY

Model	Ounces of Refrigerant by Weight at 20°F	Grams of Refrigerant by Weight at -7°C
	R-744	R-744
C-083-S-90HP	6.6	188

WATER AND FLOW CAPACITY

Model	Drops of Water Capacity	Flow Capacity Tons at 1 psi ΔP (kW at 0.07 bar ΔP)	
	R-744	R-744	R-744
	75°F (24°C)	86°F (30°C) Liquid, 5°F (-15°C) SST	20°F (-7°C) Liquid, -20°F (-29°C) SST
C-083-S-90HP	260	4.0 (14.1)	7.6 (26.7)

DIMENSIONS - INCHES (MM)

Model	Connection Size	A Overall Length	B Lay-in Length	C Socket Depth	D Outer Diameter
C-083-S-90HP	3/8"	6.52 (165.6)	5.64 (143.3)	0.44 (11.2)	2.76 (70.1)

OFFER OF SALE

The items described in this document are hereby offered for sale by Parker Hannifin Corporation, its subsidiaries or its authorized distributors. This offer and its acceptance are governed by the provisions stated in the detailed "Offer of Sale" available at www.parker.com.

For safety information see the Safety Guide at www.parker.com/safety or call 1-800-CParker.

FOR USE ON REFRIGERATION and/or AIR CONDITIONING SYSTEMS ONLY

