

A-4000-139 to -145

Oil Removal and Pressure Reducing Stations



Description

The A-4000 -139 through -142 Oil Removal and Pressure reducing stations provide clean, oil free air for pneumatic control systems.

Features

- available in single or dual PRV models in 17 or 25 scfm (8.0 or 11.7 L/s) maximum flow capacities
- includes a four-way bypass valve
- equipped with coalescing and activated carbon oil removing filters
- piped with copper tubing for increased durability

Note: The air supply to these stations must be from a properly broken in air compressor producing less than 6 ppm aerosol oil (as measured by a Johnson Controls A-4000-120 Oil Indicator on the compressor tank outlet and must also pass through a properly operating air dryer.

To Order

Specify the code number from the following selection chart.

Selection Chart

Code Number	Description		
	Flow Consumption	Compressor HP (50% Running Time)	PRV
A-4000-139	Designed Working 10 scfm (4.7 L/s)	Up to 5 hp	Single
A-4000-140	Maximum 17scfm (8.0 L/s)		Dual
A-4000-141	Designed Working 23 scfm (10.8 L/s)	Up to 10 hp (a)	Single
A-4000-142	Maximum 25 scfm (11.7 L/s)		Dual
A-4000-145	Accessory Oil Reserve		

(a) For installation with more than 25 scfm air consumption, use 2 or more stations.

Repair Parts

Code Number	Description	
A-4000-632	Activated Carbon Filter Elements	Nominal 10 scfm (4.7 L/s)
A-4000-633		Maximum 17 scfm (8.0 L/s)
A-4000-633	Coalescing Filter Elements	Nominal 20 scfm (9.4 L/s)
A-4110-604		Maximum 30 scfm (14.1 L/s)
A-4110-604	Coalescing Filter Elements	Nominal 10 scfm (4.7 L/s)
A-4000-604		Maximum 12 scfm (5.6 L/s)
A-4000-604	Coalescing Filter Elements	Nominal 20 scfm (9.4 L/s)
A-4000-604		Maximum 23 scfm (10.8 L/s)
A-4000-138	3/8 in. Pressure Regulator with Bracket, Gauge, and Safety Relief Valve	
A-4110-601	Four-Way Bypass Valve with 3/8 in. Compression Fittings	

Specifications

A-4000-139 to -145 Oil Removal and Pressure Reducing Stations	
Maximum Pressure Input Rating	150 psig (1,034 kPa)
Temperature Limit	120°F (52°C)
Pressure Setting	Single PRV 20 psig (138 kPa) Nominal; 25 psig (172 kPa) Maximum
	Dual PRV 15 and 20 psig (103 and 138 kPa) Nominal; 25 psig (172 kPa) Maximum
Pressure Drop at 10 scfm	Dual 10 scfm Maximum of 1 psi (7 kPa)
	Dual 20 scfm 2 psi (14 kPa)
	Fittings 1/2 in. O. D. Compression Provides Dual Supply Air to System
	1/2 in. Connection Provides Constant 20 psig (138 kPa) to Local Control Panels
	3/8 in. Connection Provides Filtered High Pressure Air to Remote PRV Stations
	Filters Replace After 1 Year