

F50 Oil Mist Eliminators

The Balston Vacuum Pump Exhaust Filter System

Balston Vacuum Pump Exhaust Filters utilize Microfibre Filter Cartridges. The filter cartridges capture the fine oil droplets suspended in exhaust air, and cause the droplets to run together to form large drops within the depth of the filter cartridge. The large drops are then forced by the air flow to the downstream surface of the filter cartridge, from which the oil drains by gravity. This process is called "coalescing". Since the coalesced liquid drains from the cartridges at the same rate that liquid droplets enter the cartridges, the cartridges have an unlimited life when coalescing relatively clean liquids, and they operate at their initial retention efficiency even when wet with liquid.

Filter Performance Characteristics

The Microfibre Filter Cartridges are specifically designed to cover vacuum pump exhaust applications to achieve a retention efficiency of 99.9% at 0.1 micron with a low flow resistance - less than 2 psi back pressure when wet with oil at the maximum flow rating for the housing. The two stage filter cartridge structure minimizes the possibility of carryover of coalesced oil, and the all-inorganic composition is completely resistant to all lubricants and virtually any chemical found in vacuum pump exhaust. The maximum temperature limit for a filter assembly is determined by the elastomer seals or plastic materials in the system.

The filter cartridge is permanently sealed into the housing. The entire unit is disposable. Pressure relief filter tube retainer is not available in these models.

NW-25 Adapter fittings for Alcatel Vacuum pumps are also available.

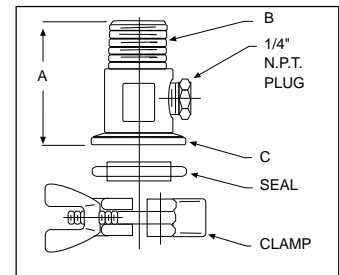
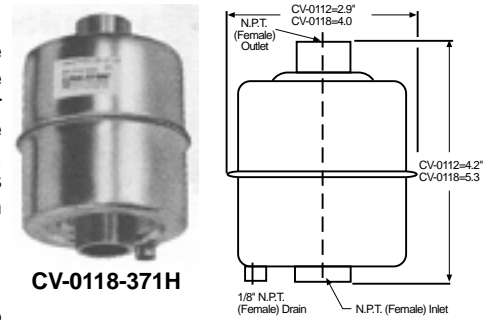
For Hazardous/Corrosive Applications

Specifications	
Construction-	304 SS
Max Temp -	400 °F
Max Pressure -	15 PSI

Balston Stainless Steel Filters with Captured Exhaust for Leak-Tight Operation.

Part No.	Max. Flow Rate	Port Size
CV-0112-371H	3 CFM	1/2" NPT
CV-0118-371H	9 CFM	3/4" NPT
ACV-0135-371H	20 CFM	1" NPT
3200-35-371H	Replacement Cartridge for ACV-0135-371H (pkg. of 3)	

NW25 Adapter Fittings	B	Price
14175	1/2"	
14182	3/4" with bushing	
14173	1"	



Adapter #14182

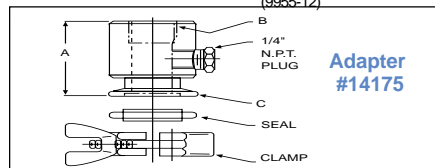
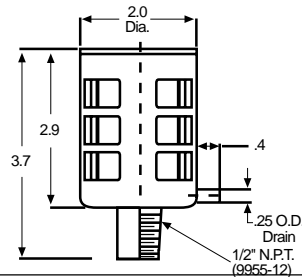
For Non-Hazardous/Non-Corrosive Applications

Balston Vacuum Pump Exhaust Filters

Specifications		
Construction	9955	Nylon
	18/18	Steel
Max Temp	9955	250°F
	18/18	400°F
Max Pressure -	15 PSI	



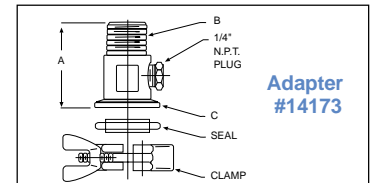
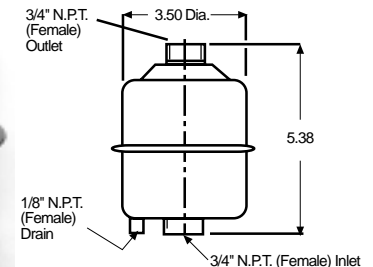
9955-12-371H



Adapter #14175



1818-371H



Adapter #14173

Part No.	Max. Flow Rate	Port Size	NW25 Price
9955-12-371H	3 CFM	1/2" NPT	
9956-12-371H	3CFM	NW 16	
1818-371H	9 CFM	3/4" NPT	
AR-0316-371H	20 CFM	1" NPT	
AR-0335-371H	43 CFM	1 1/2"	
3200-16-371H	Replacement Cartridge set for AR-0316-371H		

Adapter Fittings	B	Price
14175	1/2"	
14182	3/4" with bushing	
14173	1"	