

# Content Template

## Balston Vacuum Pump Exhaust and Inlet Filters

### Exhaust Filters:

Completely eliminate oil mist and smoke from vacuum pump exhaust

Prevent oil accumulation in ductwork

Recover expensive lubricating oil, and return filtered oil automatically to the pump

Reduce pump noise

Protect chemical scrubbers from oil, and

### Flow Rate for Exhaust Filters

Model #	Flow Rate (CFM)
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### Hazardous/Corrosive Applications

CV-0112-371H	3
CV-0118-371H	9
ACV-0135-371H	20

### Nonhazardous/Noncorrosive Applications

9955-12-371H	3
18/18-371H	9
AR-0316-371H	20
AR-0335-371H	43
AR-0735-371H	100
AR-0780-371H	200
AR-1280-371H	300
AR-1680-371H	450
AR-3080-371H1	850

### Exhaust Filters

Balston Vacuum Pump Exhaust Filters remove all visible oil mist from vacuum pump exhaust, even when it is saturated with oil. The exhaust gas may be recycled to the process or the pumps may exhaust into a clean work area, eliminating the need to run ductwork and exhaust pipes outside. The high efficiency filter cartridge continuously drains the collected liquid, allowing the user to recover expensive, inert lubricating fluid and resulting in extremely long filter cartridge life. Filters are available for pumps with flow ranging from 3 to 850 cfm.

### Applications

Glass production

Lyophilizers

Electronics manufacturing

Food processing/production systems

Heat treating vacuum systems



**BALSTON**

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## Balston Vacuum Pump Exhaust and Inlet Filters

### Inlet Filters:

- Prevent oil backstreaming
- Protect the vacuum pump from damage by solids and liquids
- Increase productivity by eliminating costly shutdown time and maintenance
- Prevent loss of valuable or hazardous materials
- Extremely long filter life
- Superior chemical and solvent resistance

### Flow Rate for Inlet Filters:

Model #	Flow Rate (CFM)
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#### Hazardous/Corrosive Applications Service to 2 Torr

CV-0112-30	3
CV-0118-30	9

#### Nonhazardous/Noncorrosive Applications Service to 10-6 Torr

CF-0112-30	3
CF-0118-30	9

#### Nonhazardous/Noncorrosive Applications Service to 2 Torr

18/18-30	9
A15/80-30	43

### Inlet Filters

Balston Vacuum Pump Inlet Filter housings are constructed of 304 stainless steel for hazardous/ corrosive applications, low vacuum aluminum or steel housings are recommended. Two different filter cartridge designs are offered: The grade 30 filter cartridges offer high efficiency removal of relatively large quantities of solids and liquids to prevent damage to the pump and loss of valuable or hazardous material. The grade 102 filter cartridges prevent oil backstreaming from the pump to the evacuated chamber, while at the same time protect the pump from damage by submicron particles at a low concentration.

### Applications

- General lab vacuum chambers
- Heat treating vacuum systems
- Microscope evacuation systems
- Semiconductor process
- Chemical processing



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