

MISCELLANEOUS EQUIPMENT

Gas Filters

## Atomic Absorption Acetylene



### Design Features

- Design specifically for Atomic Absorption Instrumentation
- Protects microcomputer gas controls
- Ensures a clean, contaminant-free flame
- Ensures consistent quality of compressed air oxidant and fuel gas
- Convenient, turnkey system
- Services a single Atomic Absorption

**Description:** The Airgas® Atomic Absorption Acetylene Gas Purifier is a completely engineered wall mountable system designed to purify gases commonly used with Atomic Absorption Spectrophotometers. This purifier consists of two independent filtration systems. The first system is designed to purify the compressed air (oxidant) with two stages of high efficiency coalescing filtration. These filters will remove all oil, water and particulate matter down to 0.01 micron.

The second filtration system is designed to purify the acetylene gas. This system removes liquid acetone and solid particulate from the gas. The purifier protects the microcomputer gas controls and Atomic Absorption burner assembly from contamination and corrosion. In addition, the acetylene filter has an integral flashback arrestor, meeting all OSHA requirements, to enhance the safe operation of the spectrophotometer.

### Specifications

<b>Inlet Pressure Range (compressed air)</b>	15–125 psig
<b>Max Inlet Pressure (acetylene)</b>	15 psig max. working pressure
<b>Recommended Inlet Air Temperature</b>	< 78° F (26° C)
<b>Ambient Operating Temperature</b>	40° F–100° F (4° C–38° C)
<b>Dimensions (WxDxH)</b>	11" W x 8" D x 10" H (28cm x 20cm x 25cm)
<b>Weight</b>	10 lbs. (4.5 kg)
<b>Inlet/Outlet (compressed air)</b>	1/4" FNPT
<b>Inlet/Outlet (acetylene)</b>	9/16–18 LH ("B" size)

### Ordering Information

Product Number	Flow Rate (cc/min.)	Max Inlet Pressure (psig)	Max Outlet Pressure (psig)
Y80-73100	2,000	125	90

### Available Options

Product Number	Description
Y80-73065	Service Kit