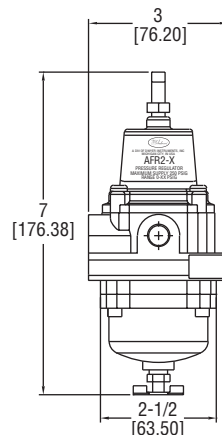




Series AFR2 Instrument Air Filter Regulator

Specifications - Installation and Operating Instructions



The Series AFR2 Instrument Filter Regulator provides clean and accurate air pressure to instruments, valves and other automatic control equipment. Constructed of durable materials that will provide long lasting resistance against corrosion in industrial environments. Available in aluminum diecast or stainless steel.

Features

- Maintains desirable pressure level, regardless of fluctuations in input pressure.
- Aluminum or available stainless steel body increases versatility of the product in different environments.
- 5 micron filter removes unwanted particles in the air.
- Relief function provides safety in the event output pressure exceeds desired pressure setting.

Installation

Before installation, be sure to be aware of the following:

- Always wear safety equipment and follow safety procedures.
- Input air must be clean and dry.
- Always operate within the capacity range of the regulator.
- Filter must be replaced in a timely matter. Usage varies based on environment.
- After pressure is set, be sure to tighten adjustment bolt.

OPERATION

Prior to turning on supply air, loosen the adjusting screw until there is no compression of the range spring. After turning the supply pressure on, turn the adjusting screw clockwise to increase the outlet pressure.

Pipe Connection

Series AFR2 is used to provide constant supply pressure to positioners, actuators, solenoid valves etc. If being installed directly onto pipeline, be sure the pipeline is emptied before connecting the AFR2. In addition, ensure the pipeline is appropriate for the required capacity.

Pipe Connection with a Bracket

If a bracket is desired for installation, be sure to construct a bracket according to the AFR2's dimensions.

SPECIFICATIONS

Service: Air only.

Wetted Materials:

- Body: Aluminum or SS;
- Filter: Polyethylene;
- Diaphragm and Valve Seat Plug: Nitrile elastomer.

Max. Supply Pressure: 250 psi (17.2 bar).

Temperature Limits: -4 to 158°F (-20 to 70°C).

Minimum Filtering Size: 5 microns.

Process Connection: 1/4" NPT.

Weight: 1.7 lb (0.6 kg); SS models: 3.0 lb (1.4 kg).

MAINTENANCE/REPAIR

Upon final installation of the Series AFR2 Instrument Air Filter Regulator, no routine maintenance is required. The Series AFR2 is not field serviceable and should be returned if repair is needed. Field repair should not be attempted and may void warranty.

WARRANTY/RETURN

Refer to "Terms and Conditions of Sales" in our catalog and on our website. Contact customer service to receive a Return Goods Authorization number before shipping the product back for repair. Be sure to include a brief description of the problem plus any additional application notes.