

SERIES F & BFS DIVERTER VALVES 3-WAY AIR OPERATED

Installation & Operating Instructions

Series "F" and "BFS" valves are 3-way valves with one common inlet and two outlets, one of which is normally open. Air pressure is applied to the valve to close the normally open port and open the normally closed port. These 3-way valves may also utilize the common port as an outlet port with the normally open/normally closed ports used as inlet ports.

Installation Instructions

Series "F" and "BFS" valves are provided with threaded ports for connections to plastic piping systems. Installation of metal pipes or fittings is not recommended.

Pipe connections should be made with a suitable pipe thread sealant such as Teflon tape or paste. It is not necessary to use much force in making a tight joint – little more than hand tight on the threads is usually sufficient. **Do not overtighten.**

An air line is to be connected to the 1/8 NPT port on the air head of the valve downstream of a 3-way air valve.

Operating Instructions

Series "F" and "BFS" are spring loaded to one of two positions. Air pressure from a 3-way air valve is applied to the air head to change position of the valve. The pressure applied shall be in the range of 60 psi to 100 psi.

If quick actuation of the valve causes water hammer, then air rate valves should be installed to slow down the movement of the air piston.

