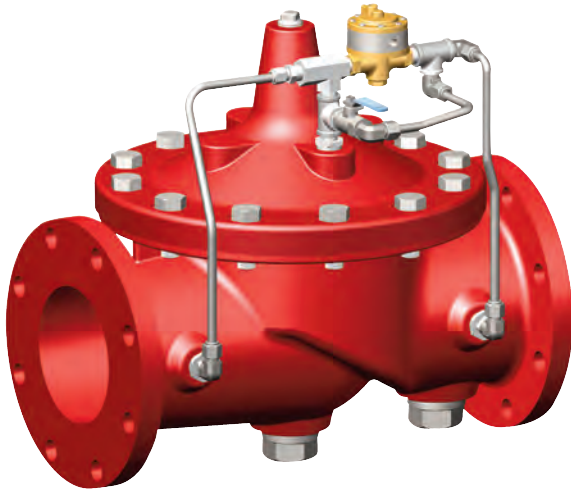# Pneumatically Operated Remote Control Valve
For Freshwater and Seawater Service

403G-11A

- Single Seat with Resilient Disc Insures Tight Seal
- Simply Designed with Few Working Parts
- Quick Response to Remote Control
- Fully Supported Frictionless Diaphragm
- Leak-proof Service Assured – No Packing Glands
- Single Tube Line Required for Control
- Opens Wide for Minimum Flow Resistance

The Cla-Val 403 Series Remote Control Valve is used where "on-off" control is required. Pressure signals from a remote control "open or close" a small auxiliary valve installed on the main valve cover, which in turn opens or closes the main valve. Only the small amount of fluid in the auxiliary valve cover must pass through the remote control pilot in order to fully open or close the larger main valve.

The Model 403 Series consists of a 100-01 Hytrol main valve and a small Hytrol auxiliary valve. Both the main valve and the auxiliary valve are single-seated, diaphragm operated globe type valves. Line pressure applied to the auxiliary valve cover closes the main valve drip tight.

For Seawater Service use 100S/2100S or 100GS/2100GS Main Valve

Specifications

Sizes	Globe: 1 1/2" - 24" flanged
	Angle: 1 1/2" - 16" flanged
End Details	125 and 250 ANSI B16.1
Pressure Ratings	150 class - 250 psi Max.
	300 class - 400 psi Max.
Temperature Range	Water: to 180° F. Max.

Materials *Main valve body & cover:*
  Ductile Iron ASTM A-536*
  Cast Steel ASTM A216-WCB*
  Naval Bronze ASTM B-61
  Nickel Aluminum Bronze ASTM B148
  Super Duplex Stainless Steel
  Stainless Steel ASTM A743-CF-8M

Main valve trim:
  Bronze ASTM B61
  Monel
  Stainless Steel 316

Pilot control system:
  Cast bronze ASTM B61 with monel trim
  Stainless Steel 316 Tubing & Fitting

*Internally & Externally Epoxy Coated

Schematic Diagram

Item	Description
1	100-01 Hytrol Main Valve
2	X47A Ejector
3	100-02 Powertrol
4	CK2 Ball Valve

Optional Features

Item	Description
A	X46A Flow Clean Strainer
F	Independent Operating Pressure
H	Drain to Atmosphere