

ADJUSTABLE LATCHING UNIVERSAL RELAY VALVE

Model URV-2-MA

The BERMAD URV-2-MA is a normally open, 2-way, balanced-poppet, pressure-operated, diaphragm-actuated latching relay pilot valve featuring an adjustable head-compensating return spring.

The URV transitions from open to closed when pressure is applied to its control chamber. Once actuated, the latching mechanism maintains its state regardless of subsequent control pressure changes. Resetting requires restoration of the control pressure and an on-site local manual reset, using the reset handle on the URV.

Designed for use with BERMAD Deluge Valves, the URV functions as a relay pilot, initiating main valve actuation upon the release of pressure from its control chamber.

The adjustable lower spring compensates for hydrostatic head pressure in wet pilot lines installed above the main valve, making the URV-2-MA suitable for elevations of 10 to 70 m (33 to 230 ft) above the valve.

Its balanced-poppet design provides accurate, reliable operation in a compact form. The friction-free internal mechanism enhances reliability, particularly in fire protection applications, and enables dependable operation with firewater, brackish water, and seawater.

Features

- Column Compensating: Adjustable spring allows wet pilot line height of up to 70 metres.
- Frictionless operation: Isolating membrane increases safety and reliability, well suited for use with sea-water and corrosive fluids
- Balanced Poppet Shaft: Enables a low control / pilot pressure regardless of the line supply pressure
- Heavy duty construction: Suitable for the harsh conditions of chemical and offshore facilities

Technical Data

Pressure Rating: 365 psi

Water Temperature Range: 180 °F

Flow Factor: Cv 1.7

Weight: 3.5 Lbs

Standard Materials:

Body: St. St. 316

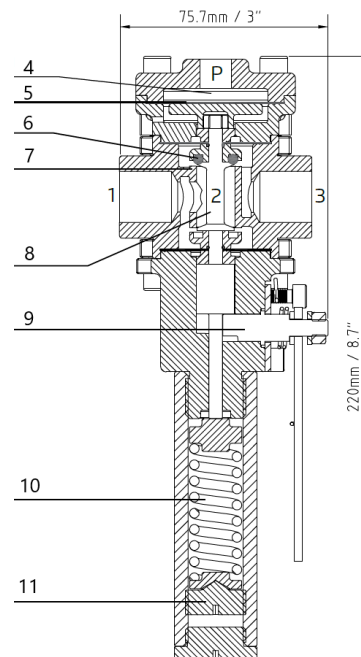
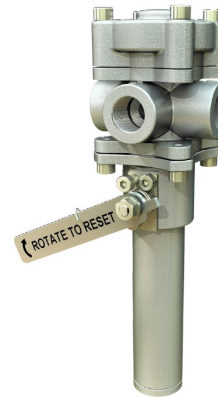
Cover: St. St. 316

Diaphragm & Seals: NBR

Internal Parts: St. St. 316

Spring: St. St. 316

*Other materials are available on request



Part	Description
4	Control chamber
5	Diaphragm
6	Seal
7	Seat
8	Balanced poppet shaft
9	Latch Shaft
10	Spring
11	Adjusting screw

Port	Size	Connections
1,2 or 3	½" NPT	Inlet / Outlet
P	¼" NPT	Valve Control Chamber

Ports 1 and 2 are shared/connected

Flow can be **Straight** (from 1 to 3 or 3 to 1) or **Angular** (from 2 to 3 or 3 to 2)