

EasyLock™ Manual Reset (EMR-C)

The BERMAD model EMR-C is an automatic Latching device that holds and latches the BERMAD Deluge valve in its open position when the valve has been activated by a releasing device.

The EMR-C blocks the Deluge Valve priming line, preventing water from entering the valve control chamber and the releasing devices, latching the Deluge valve open. The EMR-C allows the deluge valve to close only upon a local reset, by manually pushing the Reset Knob.

The EMR-C consists of an integrated soft seated spring-loaded check valve, using a ceramic ball and NBR seat for a reliable and drip tight seal.



(for illustration only)

Features

- Automatically Operated by Line Pressure
- Integral Soft Seated Spring-Loaded Check valve
- Safe Design: Ceramic Moving Parts

Materials

Stainless Steel Construction

- Body: Stainless Steel 316
- Stem: Stainless Steel 316
- EasyLock Ball - Ceramic
- Springs: Stainless Steel 316
- Seats: NBR

NAB Construction

- Body: Ni-Al-Bronze ASTM B171 C63000
- Stem: Monel 400
- EasyLock Ball: Ceramic
- External (dry) Spring: Stainless Steel 316 Internal
- Internal (wetted) Spring: Inconel
- Seats: NBR

Hydraulic Data

- Pressure Rating: 25 bar / 365 psi
- Working Temperature: Water up to 80°C / 180°F
- Flow Factor: Kv 0.46 / Cv 0.54

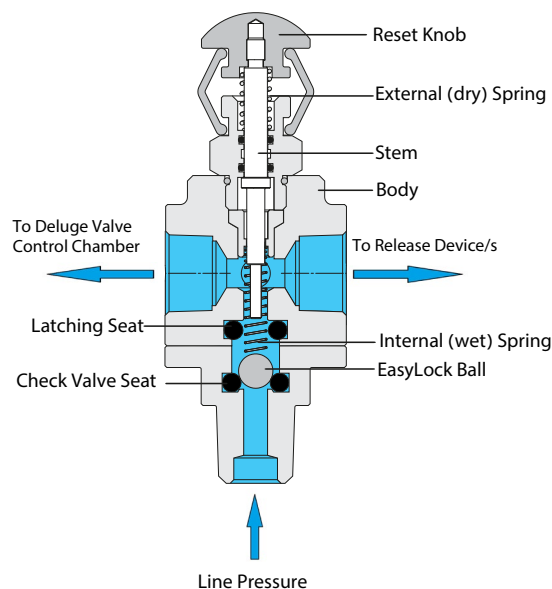
Connections

- Inlet: ½" NPT male
- Outlets: ½" NPT female, 4 ports

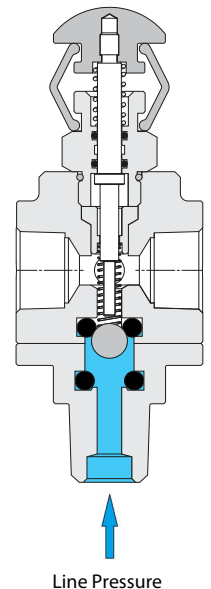
Approvals⁽¹⁾

- UL Listed
- FM-Approved
- VdS Approved

Standby -
Deluge Valve Closed



Operation -
Deluge Valve Open



Care and Maintenance

The BERMAD EMR-C is maintenance free under normal conditions, however, a Control Strainer with a minimum of 500 micron filter, should be installed upstream of the device in order to prevent residuals from entering the sealing area. The filter element should be cleaned after the first valve operation/start-up and at least quarterly.

Notes:

⁽¹⁾ Approved when installed on BERMAD Deluge Valve with specific trim model