

# Hydraulic Control Valve

Normally Closed with Hydraulic Control

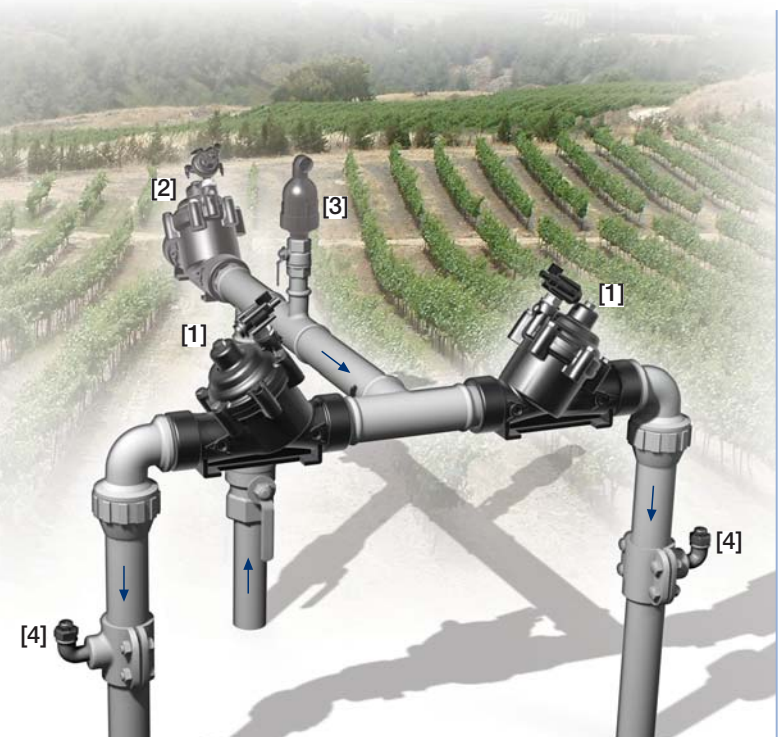
IR-105-54-X

The BERMAD Normally Closed Control Valve with Hydraulic Control is a hydraulically operated, diaphragm actuated control valve, which opens in response to a remote pressure rise command and shuts in the absence of that command.



## Features and Benefits

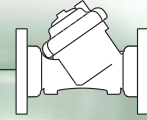
- Hydraulically Controlled, Normally Closed Valve
  - Line pressure driven
  - Closes upon control failure
  - Amplifies and relays weak remote command
- Engineered Plastic Valve with Industrial Grade Design
  - Highly durable, chemical and cavitation resistant
  - No internal bolts and nuts
- hYflow 'Y' Valve Body with "Look Through" Design
  - Ultra-high flow capacity – Low pressure loss
- Unitized Flexible Super Travel (FST) Diaphragm and Guided Plug
  - Smooth closing
  - Requires low opening and actuation pressure
  - Prevents diaphragm erosion and distortion
- Simple In-Line Inspection and Service



## Typical Applications

- Computerized Irrigation Systems
- Remote/Elevated Systems
- Distribution Centers
- Low Supplied Pressure Irrigation Systems
- Energy Saving Irrigation Systems

- [1] BERMAD Model IR-105-54-X opens upon pressure rise command.
- [2] BERMAD Relief Valve Model IR-13Q
- [3] BERMAD Air Valve Model ARA-A-P-P
- [4] BERMAD Vacuum Breaker Model 1/2"-ARV



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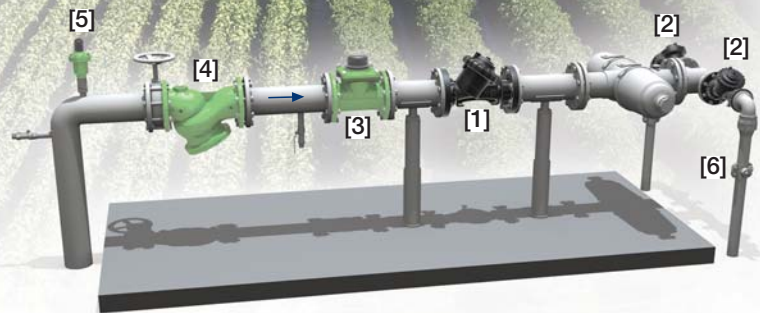
IR-105-54-X

The BERMAD Normally Closed, Hydraulic Control Valve with Hydraulic Control is a hydraulically operated, diaphragm actuated control valve, which opens in response to a pressure rise command and shuts off in the absence of that command.



## Features and Benefits

- Hydraulically Controlled, Normally Closed Valve
  - Closes upon control failure
  - Amplifies and relays weak remote command
- Engineered Plastic Valve with Industrial Grade Design
  - Adaptable on-site to a wide range of end connection sizes and types
  - Articulated flange connections eliminate mechanical and hydraulic stresses
  - Highly durable, chemical and cavitation resistant
- hYflow 'Y' Valve Body with "Look Through" Design
  - Ultra-high flow capacity - Low pressure loss
- Unitized Flexible Super Travel (FST) Diaphragm and Guided Plug
  - Smooth closing
  - Requires low actuation pressure
  - Prevents diaphragm erosion and distortion
- User-Friendly Design
  - Simple in-line inspection and service



## Typical Applications

- Computerized Irrigation Systems
- Remote and/or Elevated Systems
- Distribution Centers
- Low Supplied Pressure Irrigation Systems
- Energy Saving Irrigation Systems

- [1] BERMAD Model IR-105-54-X opens upon pressure rise command.
- [2] BERMAD On/Off Valve Model IR-105-Z
- [3] BERMAD Water Meter Model WPH
- [4] BERMAD Strainer Model 70F
- [5] BERMAD Air Valve Model ARC-A-I-I
- [6] BERMAD Vacuum Breaker Model 1/2" - ARV

