# LEVEL CONTROL & PRESSURE SUSTAINING VALVE

## with Modulating Horizontal Float

## Model 753-60

Hydraulically operated, level control and pressure sustaining control valve that controls reservoir filling and reservoir level. During filling the valve sustains minimum upstream pressure regardless of fluctuating flow or reservoir level. Reservoir filling is in response to a hydraulically controlled modulating horizontal float that maintains a constant water level, regardless of fluctuating demand.

The BERMAD 700 SIGMA EN/ES series valves are hydraulic globe valves with a raised seat and double chamber actuator. They provide unobstructed flow, effective high-pressure modulation, and minimal cavitation, complying with various potable water standards.



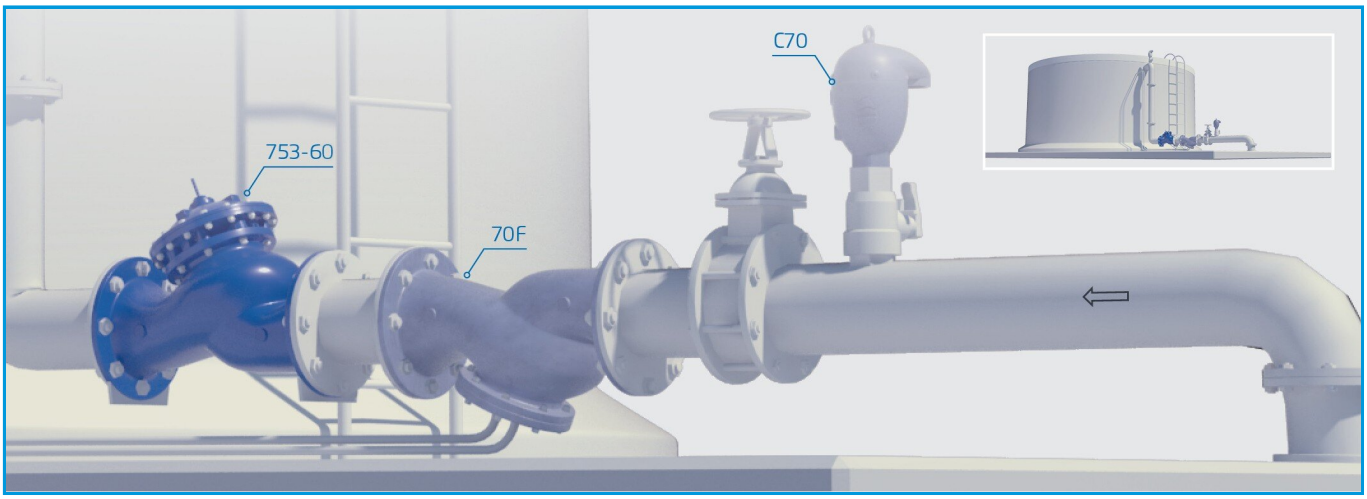
### Features & Benefits

- Certified to functional and drinking water standards: EN-1074, NSF-ANSI 61-372, WRAS, AS 5081 and others
- Designed to - Stand up to the toughest conditions
  - Excellent anti-cavitation properties
  - Wide flow range
  - High stability and accuracy
  - Drip tight sealing
- Double chamber design
  - Moderated valve reaction
  - Protected diaphragm
  - Optional operation in very low pressure
  - Moderated closing curve
- Flexible design - Easy addition of features
- Obstacle free flow pass
- V-Port throttling plug (optional) - Very stable at low flow
- High quality materials
- In-line serviceable - Easy maintenance

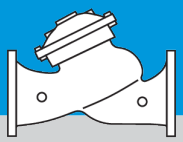
### Typical Applications

- Level control for water reservoirs
- "Always full" - Maximizing the use of reservoir volume
- Water delivery system - Prioritizing upstream over downstream demand
- Potable water, fire protection and grey water

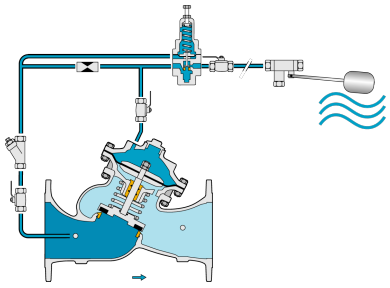
### Typical Installation



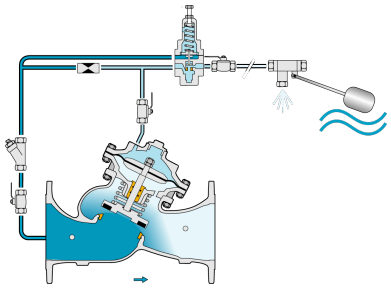

All images in this catalog are for illustration only







Closed



Regulating

This drawing refers to 1½ – 8"; 40-200 mm sized valves only. For other sizes please refer to the Model's IOM.

## Main Valve

**Size Range:**
**EN Series:** 1½"-16"; DN40-400
**ES Series:** 2½"-24"; DN65-600
**Pattern:** "Y" (globe)
**Pressure Rating:** 16 bar; 25 bar
**End Connection:** Flanged
**Plug Types:** Flat disc, V-port, Cavitation cage
**Temperature Rating:** 80°C
*For 60–80°C consult factory*

## Control System

### Standard Materials:

**Accessories:** Stainless Steel, Bronze & Brass
**Tubing:** Stainless Steel or Copper
**Fittings:** Stainless Steel or Brass

### Pilot standard materials:

**Body:** Stainless Steel, Bronze & Brass
**Elastomers:** Synthetic Rubber
**Internals and Spring:** Stainless Steel

### Pilot Options:

Various pilots and calibration springs are available.
Select according to valve size and operating conditions.
For more details check relevant pilots product pages.

### Float standard materials:

**Body:** Stainless Steel
**Internal:** Polymeric
**Float Pilot Temperature Rating:** Water Up to 40°C; 105°F

## Notes

- Float pressure rating: 16bar; 230psi.
- If inlet pressure is below 0.5 bar / 7psi or above 10 bar /150 psi, consult factory.
- Inlet Pressure, Outlet Pressure and Flow-rate are required for optimal sizing.
- Recommended maximum flow velocity: 6.0 m/sec; 20 ft/sec.
- See BERMAD float installation recommendation.

For detailed Engineering & Specification data, IOM and CAD Drawings, visit the Model Page on the BERMAD website.


The information contained herein may be changed by BERMAD without notice. BERMAD shall not be held liable for any errors.
© Copyright 2016-2026 BERMAD CS Ltd