

# CHECK VALVE

## Lift Type

### Model 70N

The Check Valve is a non-slam, lift type, non return valve that opens to allow flow in the required direction and smoothly closes drip tight to prevent back flow.

BERMAD 700 SIGMA EN series valves are oblique pattern, globe valves with a raised seat assembly and removeable internal assembly that can be disassembled from the body as a separate integral units. The valves hydrodynamic body is designed for unobstructed flow path. They meet size and dimensions requirements of various standards.



#### Features & Benefits

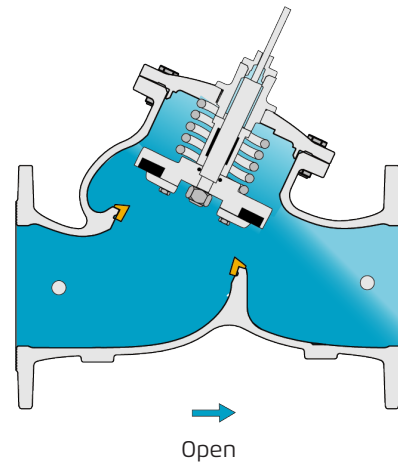
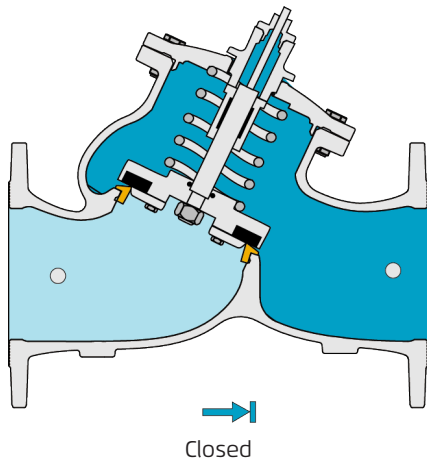
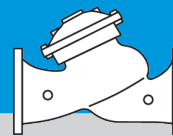
- Non-slam closing – Eliminates system surges
- Drip tight sealing
- "Y" Pattern, wide body – Minimized pressure loss
- Semi-straight flow – Non-turbulent flow
- Stainless Steel raised seat - Cavitation damage resistant
- Obstacle free, full bore – Uncompromising reliability
- Compatible with various standards
- High quality materials
- In-line serviceable - Easy maintenance
- Flexible design - Easy addition of features

#### Typical Applications

- Pumping and booster station check valve
- Reduce surge by preventing backflow in uphill and vertical pipes
- Ensure one-way flow where required

#### Typical Installation





## Main Valve

**Size Range:** 1½"-16"; DN40-400 (EN Series)

**Pattern:** "Y" (globe)

**Pressure Rating:** 16 bar; 25 bar

**End Connection:** Flanged

**Temperature Rating:** 80°C

*For 60–80°C consult factory*

### Standard Materials:

**Body & Cover:** Ductile Iron

**Bolts, Nuts & Studs:** Stainless Steel

**Internals:** Stainless Steel, Brass & POM-C

**Diaphragm:** Fabric-reinforced synthetic rubber

**Seals:** Synthetic rubber

**Coating:** Dark blue Fusion bonded epoxy

*For other materials contact BERMAD*

## Notes

For detailed Engineering & Specification data, IOM and CAD Drawings, visit the Model Page on the [BERMAD](https://www.bermad.com) website.