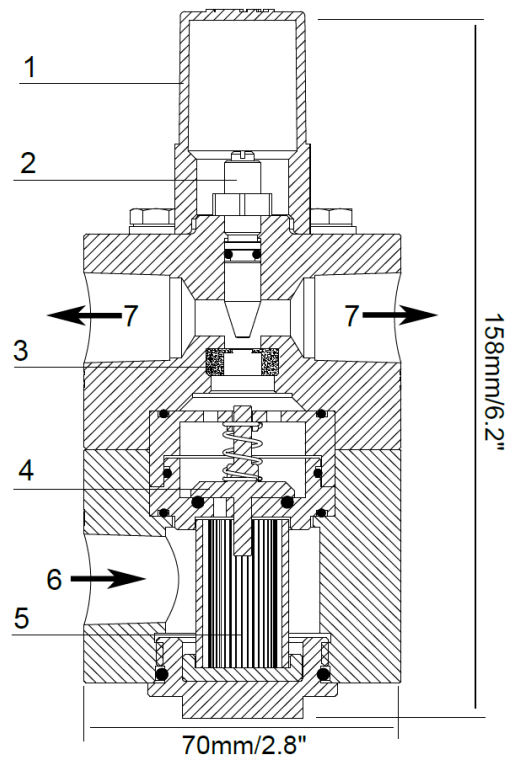




PRIMING BLOCK UNIT

Model PBU

The BERMAD PBU model is a monobloc unit that integrates a restriction orifice, a non-return valve, and a strainer into a single, compact device. This device is designed to be utilized at the priming inlet of water control hydraulic valves. The restriction orifice can be of the fixed type or the adjustable type (shown in cross section) that includes a needle valve with a tamper-proof cap. The strainer element of the device is equipped with a fine mesh filter, which efficiently captures any debris and assists in safeguarding the integrated check valve, the orifice, and all other debris sensitive accessories in the control trim. The check valve is an integral component that maintains pressure within the main valve control chamber and effectively prevents false opening of the main valve. It is designed with a spring-loaded mechanism and features a soft seat, which facilitates a dependable and secure shutoff seal.



- Features**

- Compact efficient design
- Constructed with materials suitable for offshore applications.
- Integral soft seated spring-loaded check valve
- Saves space material and weight.
- Optional adjustable restriction orifice
- ¼" NPT side port for additional accessories

Technical Data

Connection-inlet/outlet: ½" NPT (F)
 Side Port: ¼" NPT (F)
 Pressure rating: 25 bar (365 psi)
 Working temperature: Water up to 80°C (180°F)

Materials of Construction – Super Duplex

Body / Cover: Super Duplex 25Cr
 Elastomers: NBR
 Internals: Super Duplex 25Cr, POM.
 Strainer screen: Titanium

Materials of Construction – Titanium

Body / Cover: Titanium
 Elastomer: NBR
 Internals: Titanium, POM.
 Strainer screen: Titanium

Part	Description
1	Tamperproof cover
2	Adjusting screw
3	Restriction Orifice
4	Spring check valve
5	Strainer mesh
6	Inlet
7	Outlet

