

“Y” Control Strainer

The “Y” Strainer with a stainless steel or Monel screen is used in all BERMAD Water Control Valves, including Deluge Valves, Preaction Valves, Pressure Control Valves, Monitor Valves and Remote Control Valves.

The “Y” Strainer is located at the pressure supply or priming line to protect the control trim components from suspended particles or debris.

Materials

Brass Construction (Fig. 1):

- **Body:** Nickel plated Brass
- **Cover Plug:** Brass
- **Screen:** Stainless Steel
- **Gasket:** Non-Asbestos Fiber

Stainless Steel Construction (Fig. 2):

- **Body:** Stainless Steel 316
- **Cover Plug:** Stainless Steel 316
- **Screen:** Stainless Steel 316
- **Gasket:** PTFE

NAB construction (Fig 1):

- **Body:** Al-Bronze ASTM B148 C95500
- **Cover Plug:** Al-Bronze ASTM B148 C95500
- **Screen:** Monel K500
- **Gasket:** PTFE

Filter Elements

- 500 micron (35 mesh)

Pressure Rating

- Max working pressure: 25 bar (350 psi)

DN End Connections

- 1/4", 3/8" or 1/2" NPT

Maintenance

The “Y” Strainer should be cleaned after the first valve operation/start-up and at least quarterly.

The cleaning is done by carefully opening the screwed cover plug, after closing the priming ball valve, and flushing the screen with a stream of water or compressed air.

Note: Illustrations are for display only

Dimensions Table

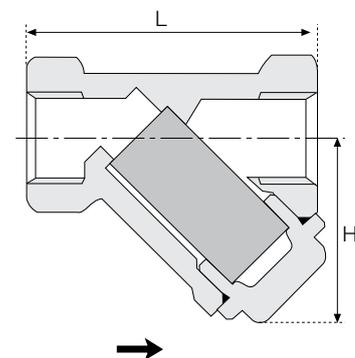
		1/4"		3/8"		1/2"	
		mm	inch	mm	inch	mm	inch
Brass	H	39.5	1 ⁹ / ₁₆	39.5	1 ⁹ / ₁₆	39.5	1 ⁹ / ₁₆
	L	53	2 ¹ / ₁₆	53	2 ¹ / ₁₆	53	2 ¹ / ₁₆
St. St.	H	47	1 ⁷ / ₈	47	1 ⁷ / ₈	50	1
	L	57	2 ¹ / ₄	57	2 ¹ / ₄	61	2 ⁷ / ₁₆
NAB	H	40	1 ⁹ / ₁₆	40	1 ⁹ / ₁₆	41	1 ⁵ / ₈
	L	55	2 ³ / ₁₆	55	2 ³ / ₁₆	58	2 ⁵ / ₁₆



Fig. 1



Fig. 2



Large Control Filter

The large control filter is used for filtration of dirty control fluid that might quickly block standard control filters. This larger filter increases the reliability of the control valve system and aids in eliminating false operation.

Materials

Standard Construction:

- Body: Carbon Steel, Red Epoxy coated
- Covers: Brass
- Stem & Nut: Stainless Steel 304
- Filter Discs: Polypropylene, 60 mesh
- Gaskets: NBR O-rings

Stainless Steel Construction:

- Body: Stainless Steel 316, uncoated
- Covers: Stainless Steel 316, uncoated
- Stem & Nut: Stainless Steel 316
- Filter Discs: Polypropylene, 60 mesh
- Gaskets: NBR O-rings

NAB construction:

- Body: Ni-Al-Bronze ASTM B148 C95800
- Covers: Ni-Al-Bronze ASTM B148 C95800
- Stem: Ni-Al-Bronze
- Nut (dry): Stainless Steel 316
- Filter Discs: Polypropylene, 60 mesh
- Gaskets: NBR O-rings

Max Temperature

- Water: 180°F (80°C)

Pressure Rating

- 350 psi (25 bar)

End Connections

- 3/8" NPT female

Weight

- 6 lbs. (2.7 kg)

