



## THE SMITH STRAINER-WITH-A-VIEW

As with all other SMITH products, the SMITH bronze water line Y-strainer has been designed for durability and practicality.



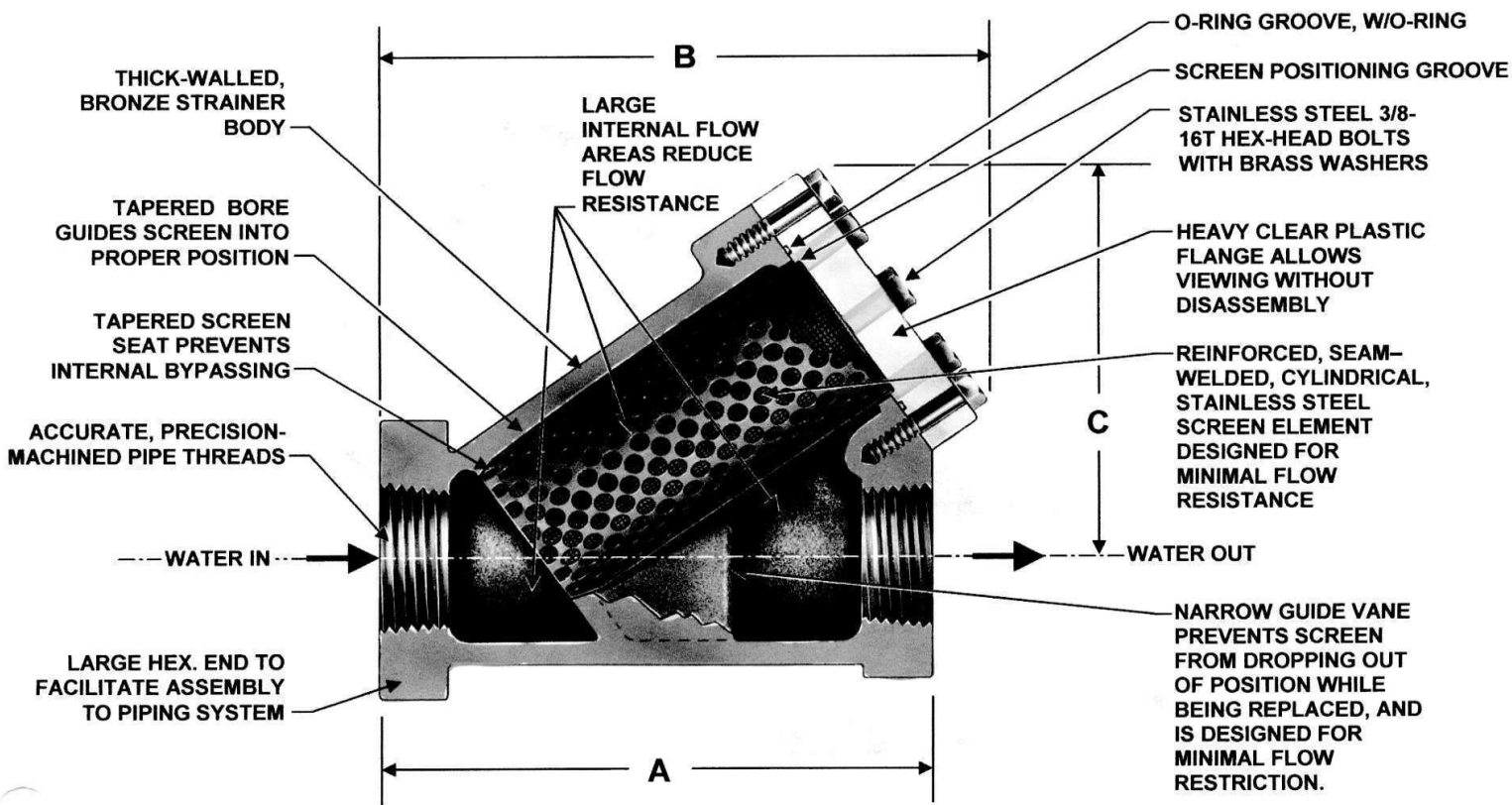
With maximum working pressure to 150 PSI, the SMITH bronze Y-strainer provides protection against rough abrasive particle damage, for the water-driven SMITH MeaSUREMENTmix injector units (models R-1 through R-8).

Maintenance is easy. The heavy clear plastic flange, which covers the screen element access port, can be easily removed by disassembling a few stainless steel bolts, with a small standard wrench. There are no plugs or other large threaded parts, which can be difficult to disassemble, may corrode, or lock-up. The heavy clear plastic flange utilizes a simple, easily replaced o-ring, as opposed to troublesome metal ring gaskets or other types made of composition sheet. Also, unlike other brands, to determine when cleaning is necessary, trapped debris can be seen through the clear plastic flange.

Particulate entrapment is achieved by means of the reinforced screen element, which is actually two stainless steel cylinders, one inside the other, seam welded and end soldered together. The outer reinforcing "shell" resists deformation, and is highly perforated to maximize flow area. The inner part of the element is made from fine mesh wire cloth, which is designed for maintaining minimal flow resistance during progressive retention of particles as small as 0.006" - 0.008". This enhanced performance is advantageous, especially in comparison to inferior screens made just out of perforated metal, or manufactured only with wire cloth in one or more layers.

The screen element cannot drop down inside the SMITH strainer body when replaced. The exclusive narrow guide vane, tapered bore, and positioning groove insure the element is properly located before the cover is tightened. This prevents breakage or buckling, which could occur with other designs allowing foreign material to pass through, unknowingly damaging the injector unit.

The bronze strainer body is precision machined, resulting in high quality pipe threads, smooth contact surfaces, prolonged service life, and reduced possibility of leakage.



Model Number	NPT Pipe Sizes (Inches)		A	B	C
	IN	OUT			
W-1B-034	3/4	3/4	6 3/8	7	4 1/2
W-1B-100	1	1	6 3/8	7	4 1/2
W-1B-112	1 1/2	1 1/2	6 3/8	7	4 1/2
W-2B-200	2	2	8 3/16	9	6 5/8

All strainers are threaded, as shown. Flanged strainers are not available.



**SMITH PRECISION PRODUCTS COMPANY**  
 P.O. Box 276, Newbury Park, CA 91319 USA  
 1299 Lawrence Drive, Newbury Park, CA 91320 USA  
 Tel.: 805/498-6616 FAX: 805/499-2867

email: [INFO@smithpumps.com](mailto:INFO@smithpumps.com) web: [www.smithpumps.com](http://www.smithpumps.com)