

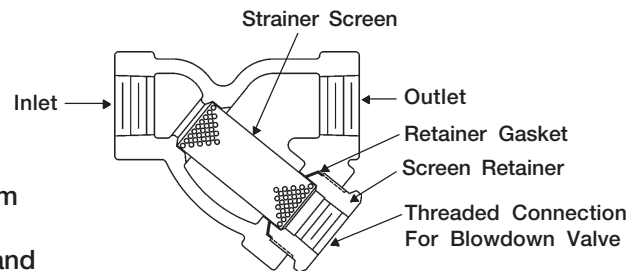


Installation and Maintenance

For Y-Type Strainers

A strainer is a device which provides a means of mechanically removing solids from a flowing fluid or gas in a pipeline by utilizing a perforated or mesh straining element.

To ensure against untimely shutdown of equipment, strainers should be installed ahead of pumps, loading valves, control valves, meters, steam traps, turbines, compressors, solenoid valves, nozzles, pressure regulators, burners, unit heaters and other sensitive equipment.



INSTALLATION

Clean all threaded areas of pipe thoroughly before installing strainer. Use pipe dope or teflon tape sparingly. Leave the end thread exposed to avoid introducing the sealant into the piping system. The strainer can be installed in the horizontal or vertical down position.

CAUTION: When installing socket weld strainers 1-1/4" size and larger, and all D-Series strainers, be aware the strainer has a non-metal gasket that can be damaged by excessive heat. Try to minimize welding time, and cool the strainer after welding. If pre- and post-weld heating is needed (as for the D-Series), removing the gasket may be advisable.

OPERATION AND MAINTENANCE

After the initial operation of the system, the strainer should be blown down to remove any installation debris caught in the screen. Repeat the blowdown procedure on a regular schedule thereafter. Frequency of blowdown depends on the operating conditions to which the strainer is subjected. If no blowdown valve is to be used, the strainer can be cleaned by removing the screen retainer and screen. **CAUTION: ALWAYS ISOLATE THE STRAINER FROM THE PRESSURIZED SYSTEM BEFORE OPENING TO CLEAN. USE A NEW GASKET WHEN REASSEMBLING THE STRAINER.** The strainer screen should be inspected one to two times per year. Recommended spare parts are one screen and three gaskets per strainer.

ORDERING REPLACEMENT PARTS

To order replacement strainer screens, state connection size of strainer, screen material and type of perforation or mesh. See screen specification chart. When ordering replacement screens for flanged strainers, state flange rating.

To order replacement strainer gaskets or retainers, state type of connection (screwed, socket weld, butt weld, or flanged), connection size and body material of strainer. Contact your Armstrong Representative if further assistance is required.

**How To Order
Armstrong Strainer
Replacement Screens and Gaskets**

To order, specify strainer size, full details on connections and screen specifications required, or use the ordering code provided.

Available Strainer Screen Materials

Screen Specification		Particle Retention (in)	Back-Up Screen Required	Materials			
				304 SS	Monel	Brass	316 SS
Perforated	1/64"	0.016	3" - 10"	Code 10	Code 18	—	—
	1/32"	0.031	None	Code 11	Code 19	—	Code 31
	.045" (3/64)	0.045	None	Code 1	Code 3	Code 4	Code 7
	1/16"	0.062	None	Code 12	Code 20	—	Code 32
	1/8"	0.125	None	Code 8	Code 21	Code 28	Code 33
	3/16"	0.188	None	Code 13	Code 22	—	Code 34
	1/4"	0.25	None	Code 14	Code 23	—	Code 35
Mesh	20 x 20	0.034	*6" - 10"	Code 15	Code **5	—	—
	24 x 110	0.0056	5" - 10"	—	Code 24	—	Code 2
	30 x 30	0.020	None	Code 41 (1)	—	—	—
	40 x 40	0.015	1-1/2" - 10"	Code 16	Code 6	—	Code 37
	100 x 100	0.0055	All Sizes	Code 9	Code 25	—	Code 38
	200 x 200	0.0029	All Sizes	Code 17	—	—	Code 39
	150 x 150	0.0041	All Sizes	Code 40	—	—	—

* Except 6" — 125 lb. cast iron.

** On Code 5 — 2-1/2" thru 10" require back-up screens

Shading indicates available screens for CA Series Strainers.

(1) 30 x 30 304 SS mesh screens only available for CA series strainers

**Replacement Gaskets
Standard Replacement Gaskets for Strainers**

Strainer Size (in)	Cast Iron	Carbon Steel	Chrome Moly Steel	Bronze	T-316 Stainless Steel	Forged Steel
	"A" Part No.	"B" Part No.	"C" Part No.	"F" Part No.	"E" Part No.	"D" Part No.
3/8"	A4469	—	—	—	—	—
1/2"	A4469	A4469	A4469	A6252A	A4469A	A6254
3/4"	A4470	A4470	A4470	A6253A	A4470A	A6254
1"	A4471	A4471	A4471	A6255A	A4471A	A6254
1-1/4"	A6256	A6257A	A6258A	A6256A	A6257A	A6259
1-1/2"	A6267B	A6262	A6258A	A6267A	A6262	A6259
2"	A6263	A6264	A6265A	A6263A	A6264	A6259
2-1/2"	A21274-1	A21274-1	—	—	A21274-1	—
3"	A21340-1	A21340-1	—	—	A21340-1	—
4"	A22106-1	A22106-1	—	—	A22106-1	—
5"	A21343-1	A21343-1	—	—	—	—
6"	A22049-1	A22049-1	—	—	—	—
8"	A21427-1	A21427-1	—	—	—	—
10"	A21432-1	—	—	—	—	—

**Strainer Repairs For
CA Cast Iron Strainers Only**

Strainer Size (in)	Blowdown Plug		Retainer Gasket
	Part No.	Size (in)	Part No.
1/2"	A6002A	3/8"	A19251
3/4"	A6003A	1/2"	A19251
1"	A6003A	1/2"	A19252
1-1/4"	A6003A	1/2"	A6256
1-1/2"	A6003A	1/2"	A19253
2"	A6003A	1/2"	A19254

**K1SC, K1SW, N1SC and N1SW
Replacement Screen Assemblies**

1/2"	.045 Perf. 304 Stainless Steel Screen Assy	C1823-2
3/4"	.045 Perf. 304 Stainless Steel Screen Assy	C1823-4
1"	.045 Perf. 304 Stainless Steel Screen Assy	C1823-5

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