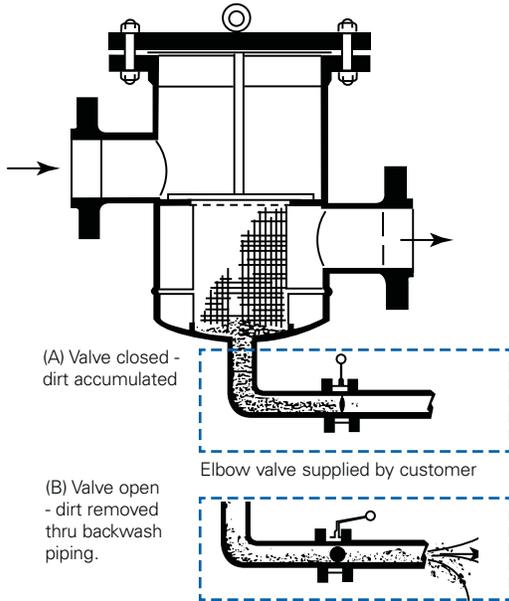


# TECHNICAL INFORMATION

## Fabricated Pipeline Strainers

### Backflush/Backwash Option

Available in custom fabricated Model 90 simplex strainer and Model 950B duplex strainer.



In many systems with heavy and well-defined solids, sediment accumulates. When the backflush valve is open, the differential between the operating pressure and the backflush system removes the sediment without shutting the system down. Figures A and B show the backflushing process.

Backwashing is a process similar to backflushing, but with a reverse flow into an empty strainer. Fluid flowing back through the element removes residual sediment left in the filter from backflushing.

### Basket Effective Area

Strainer Model	Pipe Size	Perforation Size	Nominal Area of Pipe (sq in)	Gross Screen Area (sq in)	Free Area (sq in)	Ratio Free Area to Pipe Area
90	2	5/32	3.35	78	49	14.60
90	3	5/32	7.39	94	59	8.00
90	4	5/32	12.73	151	95	7.46
90	5	5/32	20.00	204	128	6.40
90	6	5/32	28.90	283	178	6.16
90	8	5/32	50.02	478	301	6.02
90	10	5/32	78.85	691	435	5.52
90	12	5/32	111.93	942	593	5.30
90	14	5/32	135.28	1320	832	6.15
90	16	5/32	176.71	1659	1045	5.91
90	18	5/32	223.68	1979	1247	5.57
90	20	5/32	277.95	2513	1583	5.70
90	24	5/32	402.00	4071	2565	6.38
950B	2	5/32	3.35	78	49	1460
950B	3	5/32	7.39	94	59	8.00
950B	4	5/32	12.73	151	95	7.46
950B	5	5/32	20.00	204	128	6.40
950B	6	5/32	28.90	283	178	6.16
950B	8	5/32	50.02	478	301	6.02
950B	10	5/32	78.85	691	435	5.52
950B	12	5/32	111.93	942	593	5.30
950B	14	5/32	135.28	1320	832	6.15
950B	16	5/32	176.71	1659	1045	5.91
950B	18	5/32	223.68	1979	1247	5.57
950B	20	5/32	277.95	2513	1583	5.70
950B	24	5/32	402.00	4071	2565	6.38
91	2	5/32	3.35	23	14.26	4.26
91	3	5/32	7.39	41	25.42	3.44
91	4	5/32	12.73	58	35.96	2.82
91	5	5/32	20.00	82	50.84	2.54
91	6	5/32	28.90	105	65.10	2.25
91	8	5/32	50.02	167	103.54	2.07
91	10	5/32	78.85	234	145.08	1.84
91	12	5/32	111.93	322	199.64	1.78
91	14	5/32	135.28	419	259.78	1.92
91	16	5/32	176.71	511	316.82	1.72
91	18	5/32	223.68	639	398.18	1.77
91	20	5/32	277.95	781	484.22	1.74
91	24	5/32	402.00	1057	655.34	1.63

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