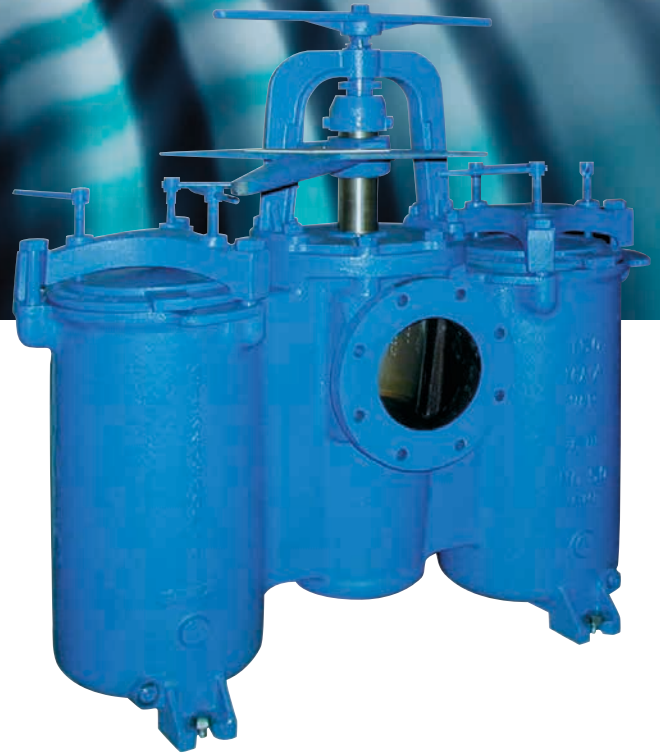


Model 50

- Sizes 5", 6", 8"
- Iron, bronze, carbon steel or stainless steel
- Flanged



Features

- Continuous flow, no shutdown for basket cleaning
- Rugged tapered plug design
- Lift jack prevents galling of the plug
- Quick open cover—no tools needed
- Large capacity baskets
- Threaded drain
- Machined basket seat
- Perforated or mesh 316 stainless steel basket

Options

- Ductile iron construction
- Basket perforations from 1/32" to 1/2"
- Basket mesh from 20 to 400
- MONEL® baskets
- Vent valves
- Drain valves
- Gauge/vent taps - 1/4" NPT
- Magnetic basket inserts
- Pressure differential gauge and switch connections
- Viton®, PTFE encapsulated or EPDM seals
- Cast iron and stainless steel diverter plug



Trouble-free design, easy operation

The Eaton Model 50 plug type duplex strainer's design is simple and economical. This high-quality strainer is, in fact, a pressure rated plug valve with integral straining baskets.

To switch the flow from one basket to the other, the operating handle moves through a 90-degree arc. Because of the unique port design in the diverter plug, it is impossible for this operation to stop the flow. The entire switching operation takes fewer than 30 seconds, no tools required. Positioning the plug each time in exactly the right spot happens automatically by integral stops.

Before operating the handle, a specially designed, manual lifting jack built into the strainer, lifts the diverter plug

off its seat. After the switching operation, the jack easily reseats the plug, even under high pressures. Because a built-in stop limits the distance the diverter plug rises, it minimizes the possibility of material bypassing the plug while rotated to divert flow. It also prevents debris from building up under the plug and making it difficult to reseat.

Other features

- A quick, easy to open, swing-away yoke design cover goes back on just as fast as it came off
- Standard NPT drain taps simplify the draining of the basket chamber
- All sizes come with mounting legs for bolting the strainer to the floor for a rock solid installation

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Viton® is a registered trademark of The Chemours Company FC, LLC.



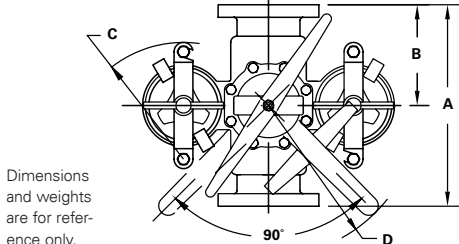
Powering Business Worldwide

Model 50 Plug Type Duplex Basket Strainer

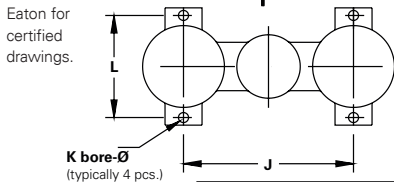
Selection chart

Size	Body material	Plug material	End connections	Seals
5", 6", 8"	Iron	Bronze	Flanged 125#	Buna-N®
5", 6", 8"	Bronze	Bronze	Flanged 150#	Buna-N
6", 8"	Carbon steel	Bronze	Flanged 150#	Buna-N
6", 8"	Stainless steel	Stainless steel	Flanged 150#	Viton

DIN flanges available on 6" only



Dimensions and weights are for reference only. Contact Eaton for certified drawings.



Rating

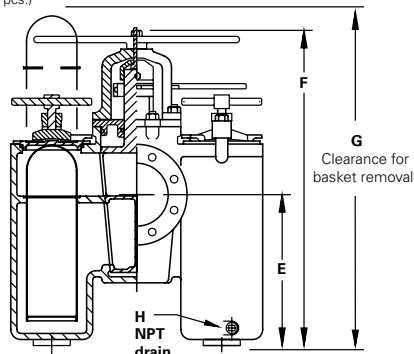
Size	Rating*
5"	200 psi (13.8 bar)
6"	200 psi (13.8 bar)
8"	150 psi (10.3 bar)

* @ 100°F (38°C)

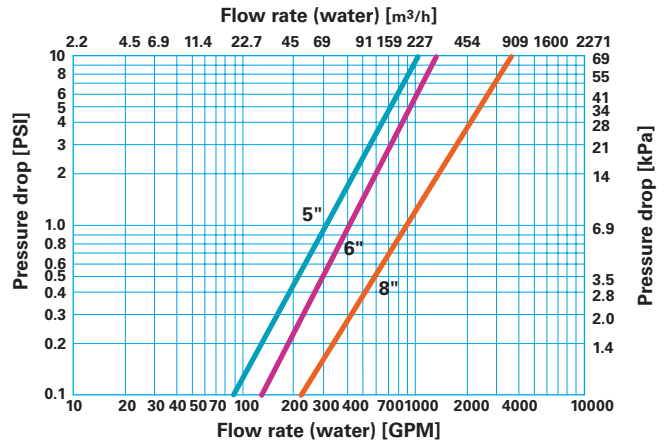
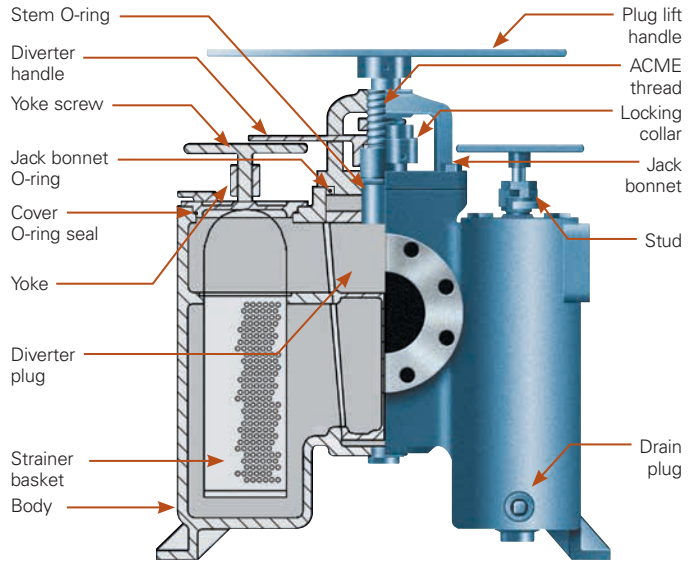
Cv factors*

Size	Value
5"	300
6"	420
8"	900

* For water with clean, perforated basket



Partial cutaway of Model 50 duplex strainer clearly illustrates all major parts—and gives a clear indication of the simplicity of design and ease of maintenance.



Dimensions (in/mm)

Pipe size		A	B	C	D	E	F	G	H	J	K	L	Weight (lb/kg)
5"	Cast iron	18.38/467	9.00/229	10.25/260	19.75/502	14.75/375	33.25/845	41.00/1,041	3/8/10	17.19/437	0.56/14	9.75/248	403/183
	Bronze	18.00/457	9.00/229	10.25/260	19.75/502	14.75/375	33.25/845	41.00/1,041	3/8/10	17.19/437	0.53/13	9.75/248	412/187
	Carbon steel	22.00/559	12.88/327	11.75/298	19.75/502	18.50/470	35.00/889	42.00/1,067	3/8/10	20.75/527	0.63/16	12.50/318	580/263
6"	Stainless steel	22.00/559	12.88/327	11.75/298	19.75/502	18.50/470	35.00/889	42.00/1,067	3/8/10	20.75/527	0.63/16	12.50/318	615/279
	Cast iron	22.00/559	12.88/327	11.75/298	19.75/502	19.50/495	36.25/921	42.00/1,067	3/8/10	20.75/527	0.63/16	12.50/318	500/227
	Bronze	21.50/546	10.75/273	11.75/298	19.75/502	15.13/384	34.25/870	42.00/1,067	3/8/10	21.25/540	0.63/16	11.25/286	583/264
8"	Carbon steel	25.00/635	14.00/356	—	28.00/711	22.44/570	50.00/1,270	56.00/1,422	1/2/15	30.75/781	0.88/22	17.00/432	1,610/730
	Stainless steel	25.00/635	14.00/356	—	28.00/711	22.44/570	50.00/1,270	56.00/1,422	1/2/15	30.75/781	0.88/22	17.00/432	1,670/757
	Cast iron	25.00/635	14.00/356	—	28.00/711	23.06/586	50.63/1,286	56.00/1,422	1/2/15	30.75/781	0.94/24	17.00/432	1,500/682
	Bronze	25.00/635	14.00/356	—	28.00/711	23.06/586	50.63/1,286	56.00/1,422	1/2/15	30.75/781	0.94/24	17.00/432	1,725/782

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