



## PLUG TYPE DUPLEX BASKET STRAINERS

# MODEL 50



### 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 reseal.

### 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

### 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

- Basket perforations from  $1/32$ " to  $1/2$ "
- Basket mesh from 20 to 400
- 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



### APPLICATIONS

Duplex or double basket strainers are valuable in locations in which it is impossible to shut off flow to stop the operation. Examples of these processes include cleaning fuel oil in large industrial oil burners, all types of marine applications, screening water in cooling towers, and straining fluids in continuously running chemical operations.



**SIZES** 5", 6", 8"



**MATERIALS** Iron, Carbon Steel, Stainless Steel



**PORTS** Flanged

**VIKING PUMP**

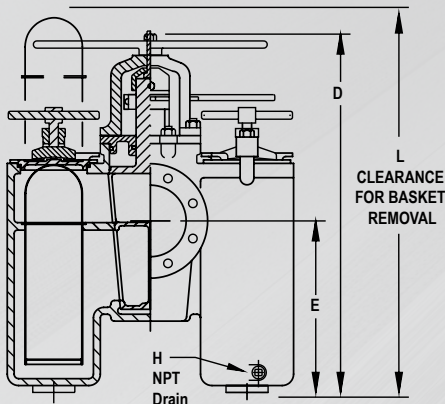
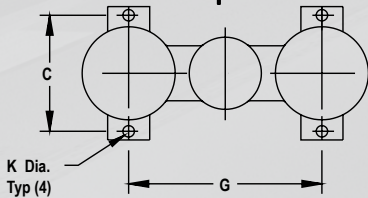
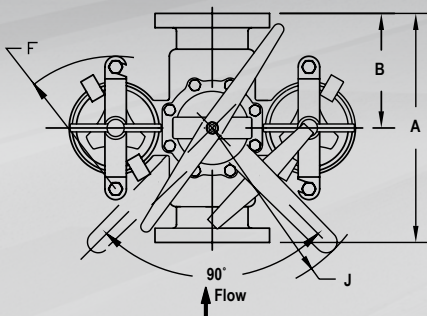
A Unit of IDEX Corporation



## SELECTION CHART

Size	Body Material	Plug Material	End Connections	Seals
5", 6", 8"	Iron	Bronze	Flanged 125#	Buna-N
6", 8"	Carbon Steel	Bronze	Flanged 150#	Buna-N
6", 8"	Stainless Steel	Stainless Steel	Flanged 150#	Viton®

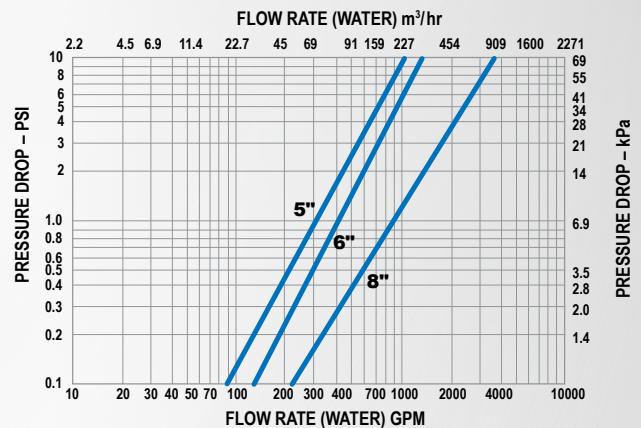
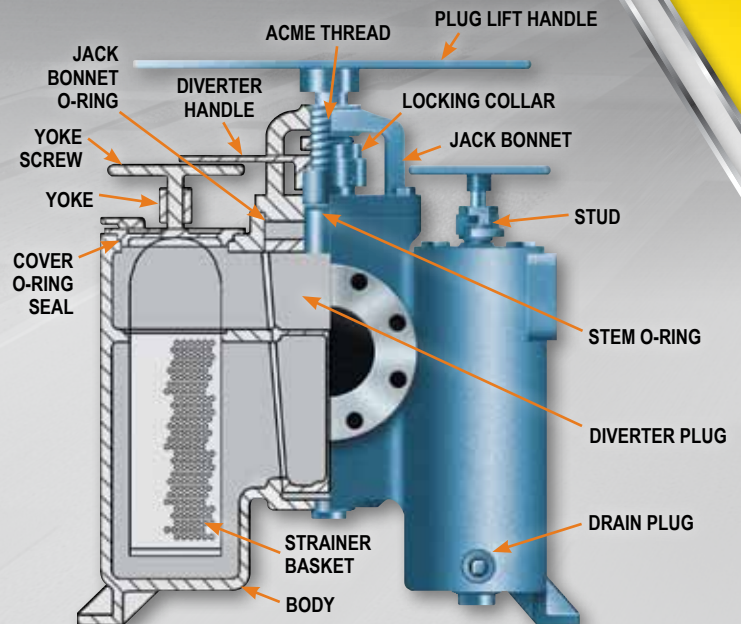
DIN flanges available in 6" only.



## RATING

Size	Rating
5"	200 psi @ 100°F
6"	200 psi @ 100°F
8"	150 psi @ 100°F

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 and weights are for reference only.

Pipe Size	DIMENSIONS - in (mm)											WEIGHT - lb (kg)		
	A	B	C	D	E	F	G	H	J	K	L	Cast Iron	Carbon Steel	Stainless Steel
5	18.38 (467)	9.00 (229)	9.75 (248)	33.25 (845)	14.75 (375)	10.25 (260)	17.19 (437)	3/8 —	19.75 (502)	0.56 (14)	41.00 (1041)	403 (183)	—	—
6	22.00 (559)	12.88 (327)	12.50 (318)	36.25 (921)	19.50 (495)	11.75 (298)	20.75 (527)	3/8 —	19.75 (502)	0.63 (16)	42.00 (1067)	500 (227)	580 (263)	615 (279)
8	25.00 (635)	14.00 (356)	17.00 (432)	50.63 (1286)	23.06 (586)	—	30.75 (781)	1/2 —	28.00 (711)	0.94 (24)	56.00 (1422)	1500 (682)	1610 (732)	1670 (759)

Viton® is a registered trademark of DuPont Performance Elastomers.

# VIKING PUMP

Contact Your Distributor Today

Distributed By:

## VIKING PUMP, INC.

A Unit of IDEX Corporation  
406 State Street  
Cedar Falls, Iowa 50613 U.S.A.  
Telephone: (319) 266-1741  
Fax: (319) 273-8157  
[www.vikingpump.com](http://www.vikingpump.com)

**United States**  
[www.vikingpump.com](http://www.vikingpump.com)  
Cedar Falls, Iowa  
Phone: (319) 266-1741

**Europe**  
[www.vikingpump.com](http://www.vikingpump.com)  
Shannon, Ireland  
Phone: +353 (61) 471933

**Canada**  
[www.vikingpumpcanada.com](http://www.vikingpumpcanada.com)  
Windsor, Ontario  
Phone: (519) 256-5438

**Asia-Pacific**  
[www.idexfmt-asia.com](http://www.idexfmt-asia.com)  
Singapore  
Phone: +65-6684-7305

**China - Shanghai**  
Phone: +86-21-5241-5599  
**China - Beijing**  
Phone: +86-10-6566-9090

**China - Guangzhou**  
Phone: +86-20-3886-6156  
**India - Mumbai**  
Phone: +91-22-66780049/53

**China - Chengdu**  
Phone: +86-28-86767458  
**China - Suzhou**  
Phone: +86-512-62833000

**Korea - Seoul**  
Phone: +82-19-9134-1110  
**Australia & New Zealand**  
Phone: +61 0 4577 4534

**Latin America**  
[www.vikingpump.com](http://www.vikingpump.com)  
**Mexico D.F., C.P.**  
Phone: +52 (55) 5255-1357

**Brazil - Sao Paulo**  
Phone: +55 (19) 3871-3500

**Middle East**  
[www.idexfmt-asia.com](http://www.idexfmt-asia.com)  
**Dubai, UAE**  
Phone: +973-4-299-1095/1097

