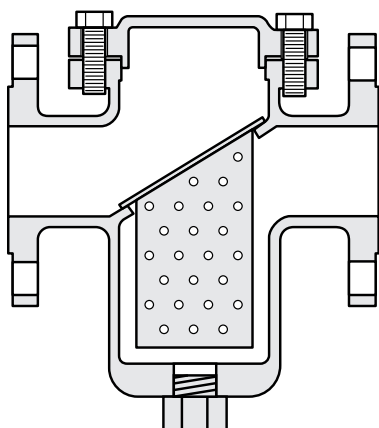


Cast Iron Flanged Basket Strainers

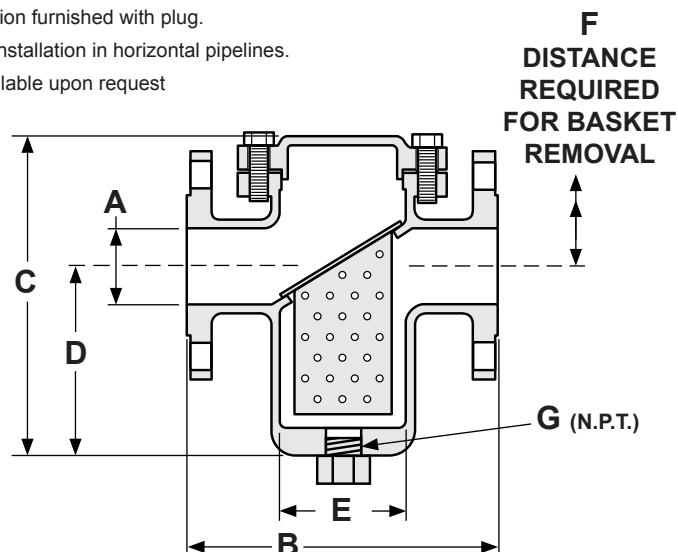


Design Features:

- Iron strainers are equipped with FF flanges in accordance with ASME B16.1
- Strainer body meets applicable ASME/ANSI standard.
- All strainers equipped with bolted cover flanges that utilize a flat gasket seal.
- Strainer cover flanges are designed in accordance with ASME Section VIII, Div. I Appendix II.
- Straight thru flow is accomplished by an angular basket design.
- Standard basket construction is 304 SS perforated plate.
- 1/4" S.S. perforated internal screen.
- N.P.T. drain connection furnished with plug.
- Recommended for installation in horizontal pipelines.
- Other materials available upon request

Parts List and Standard Materials	
Part	Material
Body	A126-B
Cover	A126-B
Screen ¹	304 SS
Plug ²	A126-B
Gasket ¹	Graphite
Bolt/Stud ²	A307-B
Nut ²	A563

Notes: 1. Recommended Spare Parts
2. Materials of equivalent strength may be substituted at manufacturer's option.



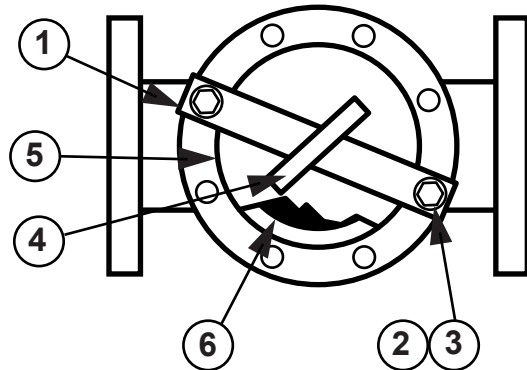
Dimensional Data (Class 125-150)									
Nom. Size in (mm)	Dim. A in (mm)	Dim. B in (mm)	Dim. C in (mm)	Dim. D in (mm)	Dim. E in (mm)	Dim. F in (mm)	Dim. G in (mm)	Weight Lb. (kg.)	
								Cover	Unit
4 (100)	4 (102)	11.50 (292)	12.88 (327)	8.00 (203)	6.00 (152)	17.75 (451)	1 (25)	13 (5.9)	67 (30)
5 (125)	5 (127)	13.13 (333)	14.50 (368)	8.50 (216)	6.50 (165)	20.50 (521)		20 (9.1)	88 (40)
6 (150)	6 (152)	14.88 (378)	16.00 (406)	9.00 (229)	8.00 (203)	23.00 (584)		26 (12)	120 (54)
8 (200)	8 (203)	18.75 (476)	21.00 (533)	12.00 (305)	10.00 (254)	30.00 (762)	N/A	45 (20)	220 (100)
10 (250)	10 (254)	20 (508)	24.75 (629)	14.00 (356)	12.50 (318)	35.50 (902)		70 (32)	353 (160)
12 (305)									
14 (356)									

Notes:

1. Vents are optional.
2. Dimension "B" is +/-0.13".
3. Dimension "C" will change when Quick Opening covers are used.
4. Sizes 8" and larger come complete with a side drain as standard.
5. Dimensions shown are subject to change. Consult factory for certified prints when required.

Quick Opening Covers Engineering Data, Pressure Drop-Liquids

Parts List and Standard Materials			
Item	Part	Strainer Body Material	
		A126-B, WCB	B62, CF8M
1	Clamp	A516-70	A240-304
2	Body Bolt ²	A193-B7	A193-B8-1
3	Body Nut ²	A194-2H	A194-8
4	Clamp Bolt ²	A449-Grade 5	18-8 Stainless Steel
5	Cover	A126-B, WCB	B62, CF8M
6	Gasket ^{1,3,4}	Buna-N O-Ring	Viton O-Ring



Notes: 1. Recommended Spare Parts
 2. Materials of equivalent strength may be substituted at manufacturer's option.
 3. Other O-Ring Materials are available. Contact Factory.
 4. O-Ring Groove is located in Cover

Cover Type "Y" - Swing Yoke

Design Features:

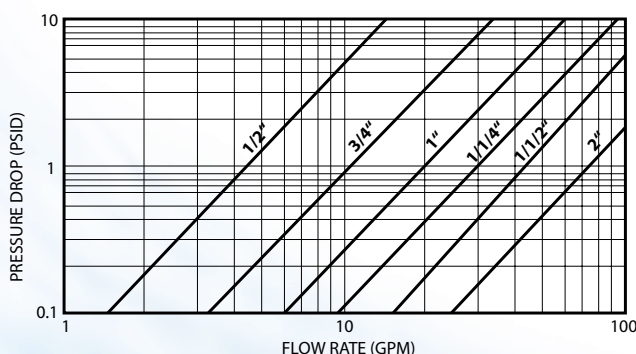
- Used for medium pressure applications
- Easy maintenance and quick-opening.

Availability	
Size Range in (mm)	Available Body Material
3-8 (80-200)	A126-B, B62, A216-WCB, A351-CF8M

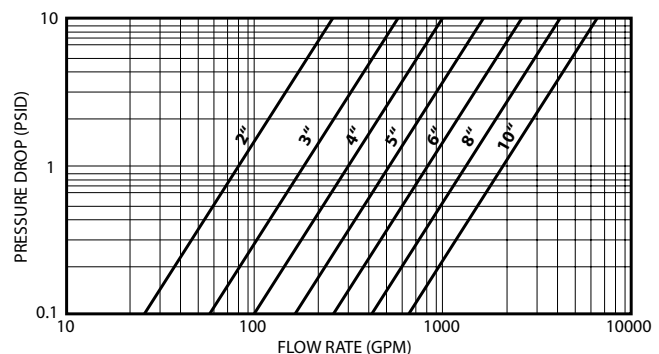
Upper Pressure Limits (Non-Shock)		
Strainer Body Material	M.A.W.P. psig (Bars)	Max. Allowable Working Temp. °F (°C)
A126-B	125 (8.62)	100 (37.8)
B62	125 (8.62)	100 (37.8)
A216-WCB	150 (10.34)	100 (37.8)
A351-CF8M	150 (10.34)	100 (37.8)

Notes: 1. Sizes 6" & 8" rated for 100 psig Maximum

Threaded Basket Strainer Press. Drop- Liquids (Sizes 1/2"-1-1/2")



Flanged Basket Strainer Press. Drop- Liquids (Sizes 2"-10")



Notes: 1. Pressure drop curves are based on water flow with standard screens.

STRAINER INSTALLATION INSTRUCTIONS

- A. Ensure all machined surfaces are free of defects and that the inside of the strainer is free of foreign objects.
- B. For horizontal pipelines, the strainer should be installed so that the drain connection is pointed downwards.
- C. For flanged end strainers, the flange bolting should be tightened gradually in a back and forth clockwise motion. Threaded end strainers should use an appropriate sealant.
- D. Once installed, increase line pressure gradually and check for leakage around joints.
- E. If the Strainer is supplied with a start-up screen, monitor pressure drop carefully.

BASKET REMOVAL INSTRUCTIONS

- A. Drain Piping
- B. Vent line to relieve pressure.
- C. Loosen cover and open to access basket.
- D. Remove, clean and replace basket in original position. (Note: In some instances, a high pressure water jet or steam may be required for effective cleaning).
- E. Inspect cover gasket for damage. If necessary, replace. (Note: If spiral wound gaskets are used, they must be replaced and not used again).
- F. Tighten cover. The strainer is ready for line start-up.

CAUTION SHOULD BE TAKEN DUE TO POSSIBLE EMISSION OF PROCESS MATERIAL FROM PIPING. ALWAYS ENSURE NO LINE PRESSURE EXISTS WHEN OPENING COVER.

MAINTENANCE INSTRUCTIONS

For maximum efficiency, determine the length of time it takes for the pressure drop to double that in the clean condition. Once the pressure drop reaches an unacceptable value, shut down line and follow "Basket Removal Instructions" above.

A pressure gauge installed before and after the strainer in-line will indicate pressure loss due to clogging and may be used to determine when cleaning is required.

TROUBLE SHOOTING GUIDES

- A. After pressurizing, inspect cover and other joints for leakage. Gasket replacement or cover tightening is necessary if leakage occurs.
- B. If the required filtration is not taking place, ensure the basket is installed in the correct position, that being flush to the basket seating surfaces.

LIMITED WARRANTY

All products are warranted to be free of defects in material and workmanship for a period of one year from the date of shipment, subject to the limitations below: If the purchaser believes a product to be defective, the purchaser shall:

(a) Notify the manufacturer, state the alleged defect and request permission to return the product.

(b) If permission is given, return the product with transportation prepaid. If the product is accepted for return and found defective, the manufacturer will, at its discretion, either repair or replace the product, f.o.b. factory, within 60 days of receipt or refund the purchase price.

Other than to repair, replace or refund described above, the purchaser agrees that the manufacturer shall not be liable for any losses, costs, expenses, or damages of any kind arising out of the product, its use, installation or replacement, labeling, instructions, information or technical data of any kind, description of product use, sample or model, warnings or lack of foregoing. No other warranties, written or oral, expressed or implied, including the warranties of fitness for a particular purpose and merchantability, are made or authorized. No affirmation of fact, promise, description of product use or sample or model shall create any warranty from the manufacturer, unless signed by the president. These products are not manufactured, sold or intended for personal, family or household purposes.