Series 8000F/8000G

Stainless Steel Flanged and Grooved Strainers

Sizes: 2½" – 12" (65 – 300mm)

LEAD FREE*



Features

- 304 stainless steel body exhibits superior corrosion resistance compared to cast iron; eliminates casting porosity problems, complies with NSF 61 and FDA requirements.
- 50% lighter than cast iron valves, reducing handling and installation equipment costs.
- Lead-free construction complies with California Prop. 65 and proposed Federal Government lead-free standards.
- Single, two-bolt, grooved style cover provides quick and easy access, saving disassembly/assembly time.
- Screen retainer cover is tapped for strainer clean out by opening a blow-off valve, or the standardly furnished closure plug.

Materials

Body: 304 stainless steel, ASTM A-312

Flanges: zinc-plated, ASTM A-36 carbon steel

Cover: 304SS sizes 6", 8",10" (150, 200, 250mm); ductile iron sizes 2½" – 4" and 12" (65 – 100, 300mm); epoxy coated ductile iron sizes 2½" – 4" and 12" (65 – 100, 300mm) on FDA models

Cover Gasket: EPDM, ambient to 150°F (66°C)

Grooved Coupling: ductile iron, ASTM A-536

Bolts: heat treated (SAE J-429) steel, ASTM B-633

Nuts: heat treated (SAE J-429) steel, ASTM B-633

Plug: brass, ASTM B-584

Screen: 304 stainless steel, ASTM A-276

***The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.**

Series 8000F/8000G Stainless Steel Strainers are lightweight, fabricated wye-pattern strainers designed to remove dirt and other debris from fluid systems. A simple cover and coupling permits easy removal of dirt from the strainer's stainless steel screen, or replacement of the screen.

Specifications

Strainer shall be installed where indicated on the plans to remove dirt and other debris from fluid system. Strainer shall be manufactured from 304 stainless steel and be lead free. Strainer shall be an Ames Company Series 8000F (flanged ends) or 8000G (grooved ends).

Job Name _____ Contractor _____

Job Location _____ Approval _____

Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

Ames product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Ames Technical Service. Ames reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Ames products previously or subsequently sold.

Series 8000F/8000G

Pressure — Temperature
WOG: 200psi @ 150°F (13.8 bar @ 66°C)

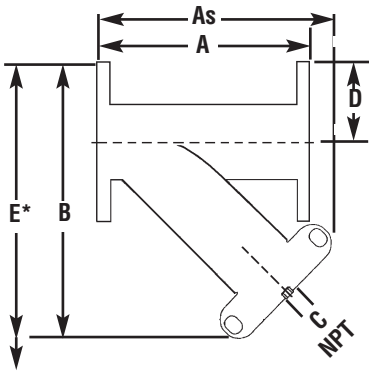
Standards
Dimensions and drilled flange holes conform to ANSI B16.1, Class 125 cast iron and Class 150 cast steel flanges.

Standard Screens

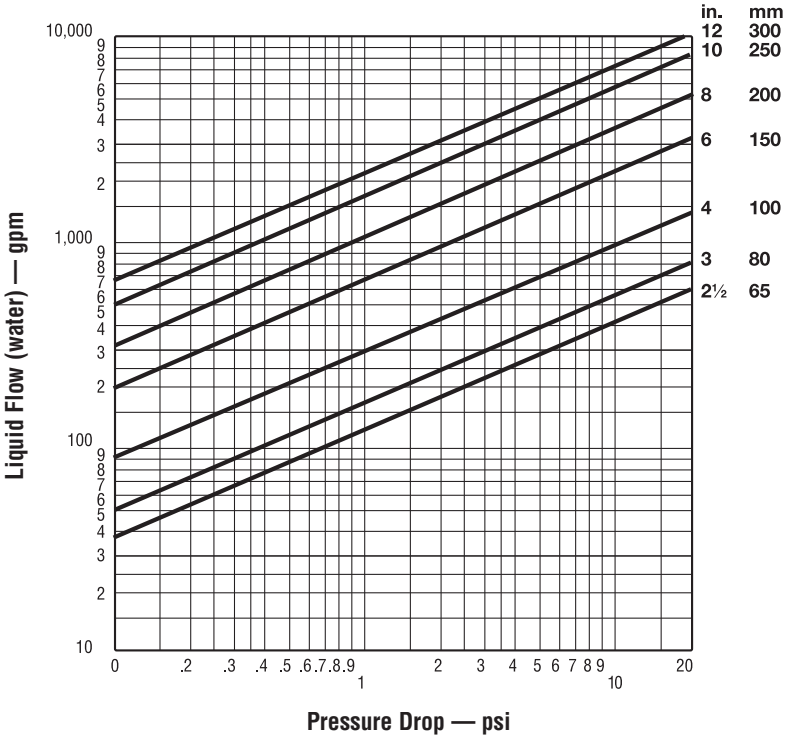
Size		Standard
inches	mm	Screen Openings
2½ - 5	65 - 125	1/16" (2mm) perforation
6 - 8	150 - 200	1/8" (3mm) perforation
10 - 12	250 - 300	3/16" (5mm) perforation

Screen material is stainless steel.

Dimensions – Weights



Flow Capacity Flanged and Grooved
The flow coefficient (Cv) is the number of gallons per minute of water flowing through a given size restriction at a pressure drop of one psi. To obtain the Cv factor for a given size strainer, read capacity at intersection with the one (1) psi pressure drop.



Note: To convert gpm to lpm, multiply by 3.785.
To convert psi to bars, multiply by .069.

Size (NPS)		Dimensions										E*		Weights	
		A		As		B		C (NPT)		D		Screen removal			
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.
Series 8000F Flanged															
2½	65	10	254	11 3/16	284	12 15/16	329	½	13	3½	89	17 9/16	446	21	9.5
3	75	10⅛	257	11 1/16	281	13	330	½	13	3¾	95	18½	470	26	11.8
4	100	12⅛	308	14 3/16	360	15¾	400	½	13	4½	114	23	584	33	15.0
6	150	18½	470	20 3/16	513	21 5/16	541	½	13	5½	140	31¼	794	70	31.8
8	200	21⅝	549	24 9/16	624	26⅜	670	¾	19	6¾	171	39 1/16	992	91	41.3
10	250	26	660	32 3/16	818	32 11/16	830	¾	19	8	203	49	1245	134	60.8
12	300	29⅞	759	35½	902	37⅜	949	¾	19	9½	241	56 9/16	1437	225	102.1
Series 8000G Grooved															
2½	65	9½	241	11 3/16	284	10¼	260	½	13	1½	38	15 9/16	395	21	9.5
3	80	9⅝	244	11 1/16	281	11¼	286	½	13	2 1/32	52	16¾	425	26	11.8
4	100	11⅝	295	14 3/16	360	13 9/16	344	½	13	2¼	57	20¾	527	33	15.0
6	150	18	457	20 3/16	513	19 3/16	487	½	13	3⅜	86	29⅛	740	70	31.8
8	200	21⅛	537	24 9/16	624	24	610	¾	19	4⅜	111	36 11/16	932	91	41.3
10	250	25½	648	32 3/16	818	30⅛	765	¾	19	5 7/16	138	46 7/16	1180	134	60.8
12	300	29⅜	746	35½	902	34 5/16	872	¾	19	6 7/16	164	53½	1360	225	102.0

*E dimension is minimum clearance for screen removal.

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A Watts Water Technologies Company

USA: Backflow- 1427 N. Market Blvd • Suite #9 • Sacramento, CA 95834 • T: 916-928-0123 • F: 916-928-9333
Control Valves- 18550 Hansen Road • Houston, TX 77075 • T: 713-943-0688 • F: 713-944-9445
Canada: 5435 North Service Rd. • Burlington, ONT. L7L 5H7• T: 905-332-4090 • F: 905-332-7068

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