

Grooved-end “Wye” Strainer Model 768G



Values for flow of water at +60°F (+16°C)

$$C_v = \frac{Q}{\sqrt{\Delta P}}$$

Where:
Q = Flow (GPM)
CV = flow coefficient
ΔP = Pressure drop (PSI)

Material Specifications

Body

Ductile iron ASTM A 536 Grade 65-45-12

End Cap

Ductile iron ASTM A 536 Grade 65-45-12

Screen

2" - 3" Type 304 Stainless Steel to ASTM A 240
1/16" (1.6 mm) perforations (12 mesh)

4" - 12" Type 304 Stainless Steel to ASTM A 240
1/8" (3.2 mm) perforations (6 mesh)

Other mesh options available upon request

Coupling

Ductile iron ASTM A 536 Grade 65-45-12

Gasket

EPDM Temperature range -40°F - +230°F
(-40° to 110°C) - Standard

Nitrile Temperature range -20°F to 180°F
(-29° to 82°C) - Special Request

Blow Down Port

2" - 5": 1" tapped with plug,

6" - 12": 1½" tapped with plug

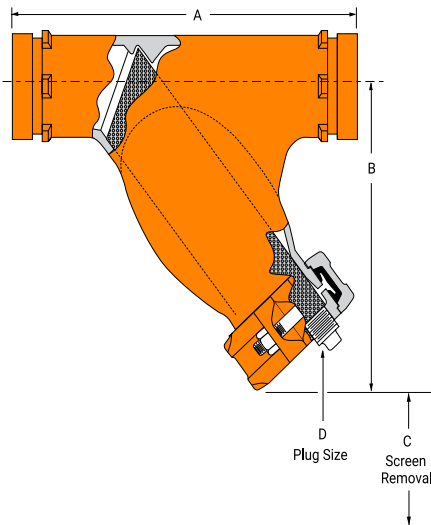
Strainer baskets need a routine maintenance program to maintain efficiency and to prevent excess pressure drop caused by a clogged screen.

Grooved-end Wye-Strainers are designed to strain debris and foreign matter from piping systems and thus provide inexpensive protection for costly pumps, meters and other components. The Strainer can be installed quickly and easily with two mechanical couplings and the straight flow through design provides for lower pressure drop. This strainer features a stainless steel screen that is secured with an end cap and mechanical coupling. Cleaning and maintenance of the screen can be accomplished easily by removing the coupling. The Strainer is suitable for vertical and horizontal installations.



PROJECT INFORMATION	APPROVAL STAMP
Project:	Approved
Address:	Approved as noted
Contractor:	Not approved
Engineer:	Remarks:
Submittal Date:	
Notes 1:	
Notes 2:	

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Nominal Size	O.D.	Working Pressure	Dimensions				Cv Values	Approx. Wt. Ea.
			A	B	C	D Plug Size		
In./DN(mm)	In./mm	PSI/bar	In./mm	In./mm	In./mm	In./mm	Lbs./Kg	
2	2.375	300	9 ³ / ₄	6 ³ / ₄	4 ⁷ / ₈	1	11	
50	60.3	20.7	248	171	124	25	5.0	
2½	2.875	300	10 ³ / ₄	7 ³ / ₈	5¼	1	14	
65	73.0	20.7	273	187	133	25	6.4	
3	3.500	300	11¾	8 ³ / ₁₆	5 ⁷ / ₈	1	20	
80	88.9	20.7	298	208	149	25	9.1	
4	4.500	300	14¼	10	7½	1	32	
100	114.3	20.7	362	254	191	25	14.5	
5	5.563	300	16½	11¼	8¼	1	46	
125	141.3	20.7	419	286	210	25	20.9	
6	6.625	300	18½	13 ³ / ₈	9 ⁷ / ₈	1½	70	
150	168.3	20.7	470	340	251	38	31.8	
8	8.625	300	24	16¾	12 ⁵ / ₁₆	1½	155	
200	219.1	20.7	610	425	313	38	70.3	
10	10.750	300	27	19	13 ¹¹ / ₁₆	1½	230	
250	273.1	20.7	686	483	348	38	104.3	
12	12.750	300	30	22 ¹⁵ / ₁₆	16 ¹¹ / ₁₆	1½	335	
300	323.9	20.7	762	583	424	38	152.0	

Not for use in copper systems.

- Pressure ratings listed are CWP (cold water pressure) or maximum working pressure within the service temperature range of the gasket used in the coupling. This rating may occasionally differ from maximum working pressures listed and/or approved by UL, ULC, and/or FM as testing conditions and test pipes differ.
- Maximum working pressure and end loads listed are total of internal and external pressures and loads based on Sch. 40 steel pipe with roll grooves to ANSI C606-97 specifications.
- For one time field test only the maximum joint working pressure may be increased 1½ times the figures shown.
- Warning: Piping systems must always be depressurized and drained before attempting disassembly and or removal of any components.
- Additional mesh options available upon request. Please contact customer support for more details.



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