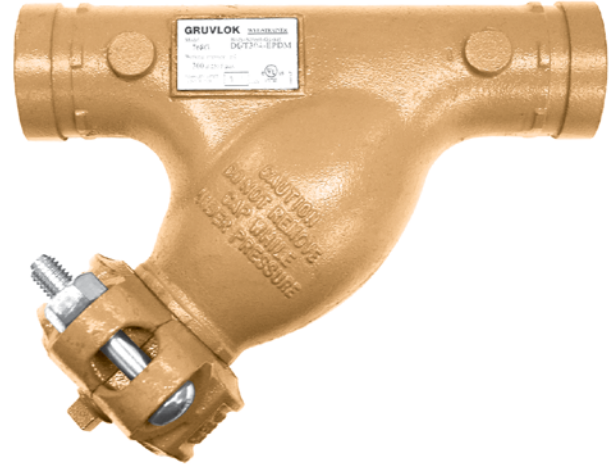


MODEL 768G

Globally Sourced Grooved-end “Wye” Strainer

The 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.



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)

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" & 2½": ½" tapped with plug,
- 3" & 4": 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.

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

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

Where:

- Q = Flow (GPM)
- C_v = flow coefficient
- ΔP = Pressure drop (PSI)

PROJECT INFORMATION		APPROVAL STAMP	
Project:		<input type="checkbox"/> Approved	
Address:		<input type="checkbox"/> Approved as noted	
Contractor:		<input type="checkbox"/> Not approved	
Engineer:		Remarks:	
Submittal Date:			
Notes 1:			
Notes 2:			

MODEL 768G

Globally Sourced Grooved-end “Wye” Strainer

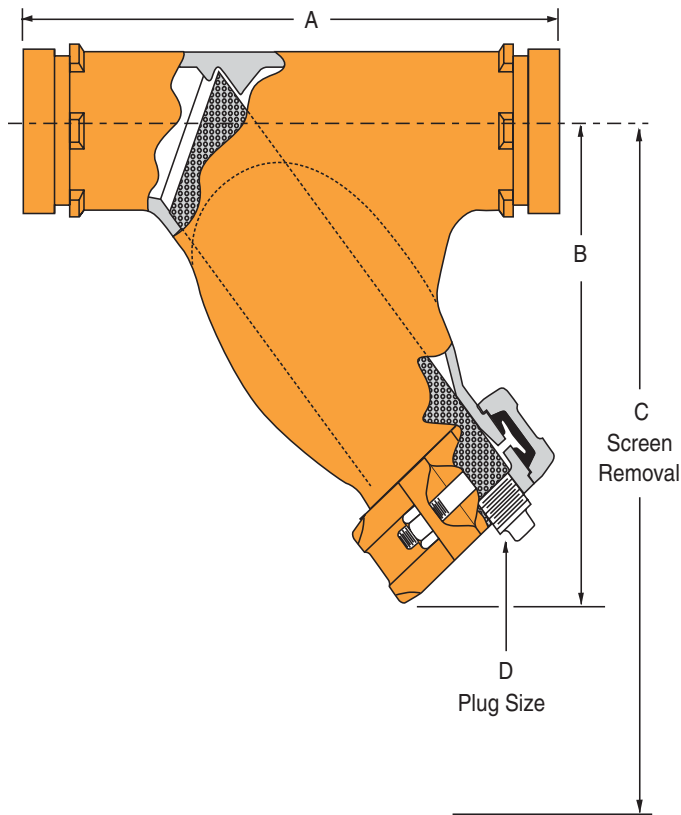


FIGURE 768 G GROOVED-END “WYE” STRAINER

Nominal Size	O.D.	Working Pressure	Dimensions				Cv Values	Approx. Wt. Each
			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	7 ¹ / ₈	4 ⁹ / ₁₆	1 ¹ / ₂	59	9.3
50	60.3	20.7	248	192	116	12		4.2
2½	2.875	300	10 ³ / ₄	7 ¹³ / ₁₆	4 ¹³ / ₁₆	1 ¹ / ₂	92	13.2
65	73.0	20.7	273	211	122	12		6.0
3	3.500	300	11 ³ / ₄	8 ¹¹ / ₁₆	5 ¹ / ₁₆	1	162	18.0
80	88.9	20.7	298	231	129	25		8.2
4	4.500	300	14 ¹ / ₄	10 ⁵ / ₈	6 ⁵ / ₈	1	284	26.4
100	114.3	20.7	362	281	168	25		12.0
5	5.563	300	16 ¹ / ₂	13	10 ³ / ₁₆	1	410	46.4
125	141.3	20.7	419	330	258	25		22.0
6	6.625	300	18 ¹ / ₂	14 ¹ / ₁₆	8 ⁵ / ₈	1 ¹ / ₂	770	70.4
150	168.3	20.7	470	357	219	38		32.0
8	8.625	175	24	17 ⁷ / ₈	11 ³ / ₁₆	1 ¹ / ₂	1010	121.0
200	219.1	12.1	610	454	284	38		55.0
10	10.750	175	27	20 ⁹ / ₁₆	12 ⁵ / ₈	1 ¹ / ₂	1800	182.6
250	273.1	12.1	686	522	320	38		83.0
12	12.750	175	30	24	14 ³ / ₈	1 ¹ / ₂	2800	277.2
300	323.9	12.1	762	609	366	38		126.0
14	14.000	175	40	29 ¹⁵ / ₁₆	18 ⁷ / ₈	1 ¹ / ₂	4600	418.0
350	355.6	12.1	1016	760	480	38		190.0
16	16.000	175	42	30 ⁹ / ₁₆	19	1 ¹ / ₂	5800	495.0
400	406.4	12.1	1067	777	483	38		225.0

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.