MODEL 768G

Grooved-end "Wye" Strainer

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"- 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.

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)

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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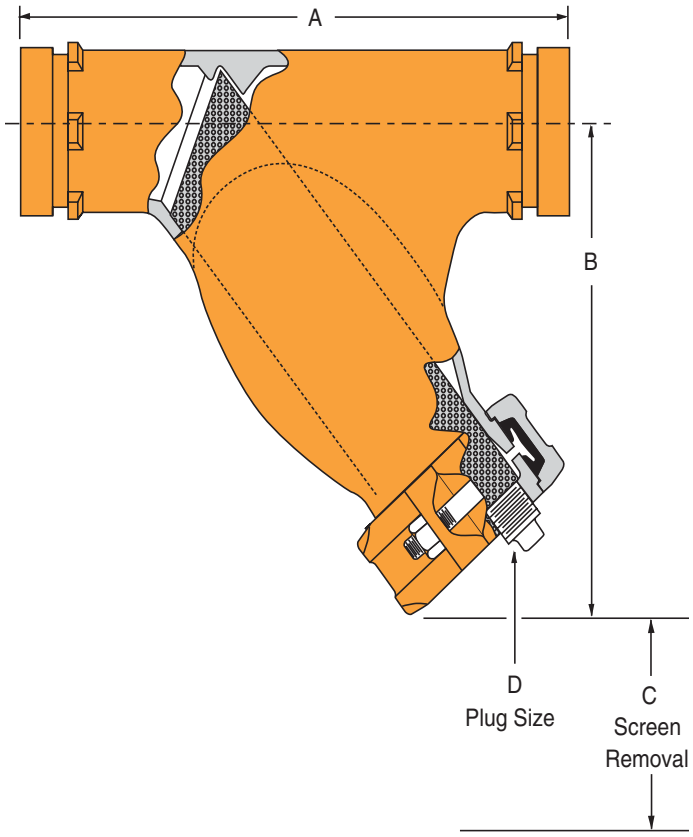

FIGURE 768G GROOVED-END "WYE" STRAINER

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 *50*	2.375 *60.3*	300 *20.7*	9¾ *248*	6¾ *171*	4⅞ *124*	1 *25*	59	11 *5.0*
2½ *65*	2.875 *73.0*	300 *20.7*	10¾ *273*	7⅜ *187*	5¼ *133*	1 *25*	92	14 *6.4*
3 *80*	3.500 *88.9*	300 *20.7*	11¾ *298*	8 3/16 *208*	5⅞ *149*	1 *25*	162	20 *9.1*
4 *100*	4.500 *114.3*	300 *20.7*	14¼ *362*	10 *254*	7½ *191*	1 *25*	284	32 *14.5*
5 *125*	5.563 *141.3*	300 *20.7*	16½ *419*	11¼ *286*	8¼ *210*	1 *25*	410	46 *20.9*
6 *150*	6.625 *168.3*	300 *20.7*	18½ *470*	13⅜ *340*	9⅞ *251*	1½ *38*	770	70 *31.8*
8 *200*	8.625 *219.1*	300 *20.7*	24 *610*	16¾ *425*	12 5/16 *313*	1½ *38*	1010	155 *70.3*
10 *250*	10.750 *273.1*	300 *20.7*	27 *686*	19 *483*	13 11/16 *348*	1½ *38*	1800	230 *104.3*
12 *300*	12.750 *323.9*	300 *20.7*	30 *762*	22 15/16 *583*	16 11/16 *424*	1½ *38*	2800	335 *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.