ASC Engineered Solutions

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)

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.

GRUVLOK
An ASC Engineered Solution

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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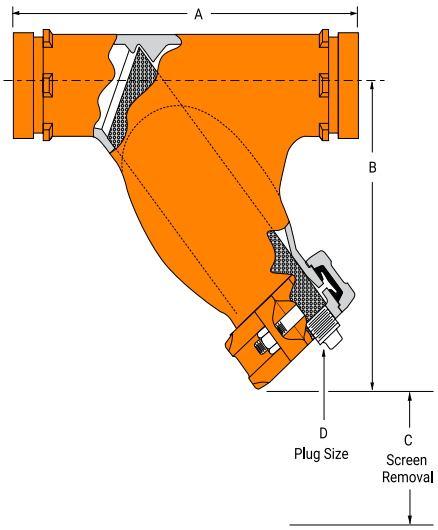

Nominal Size	O.D.	Working Pressure	Dimensions A	B	C	D Plug Size	Cv Values	Approx. Wt. Ea.
In./DN(mm)	In./mm	PSI/bar	In./mm	In./mm	In./mm	In./mm		Lbs./Kg
2 50	2.375 60.3	300 20.7	9 3/4 248	6 3/4 171	4 7/8 124	1 25	59	11 5.0
2 1/2 65	2.875 73.0	300 20.7	10 3/4 273	7 3/8 187	5 1/4 133	1 25	92	14 6.4
3 80	3.500 88.9	300 20.7	11 3/4 298	8 3/16 208	5 7/8 149	1 25	162	20 9.1
4 100	4.500 114.3	300 20.7	14 1/4 362	10 254	7 1/2 191	1 25	284	32 14.5
5 125	5.563 141.3	300 20.7	16 1/2 419	11 1/4 286	8 1/4 210	1 25	410	46 20.9
6 150	6.625 168.3	300 20.7	18 1/2 470	13 3/8 340	9 7/8 251	1 1/2 38	770	70 31.8
8 200	8.625 219.1	300 20.7	24 610	16 3/4 425	12 5/16 313	1 1/2 38	1010	155 70.3
10 250	10.750 273.1	300 20.7	27 686	19 483	13 11/16 348	1 1/2 38	1800	230 104.3
12 300	12.750 323.9	300 20.7	30 762	22 15/16 583	16 11/16 424	1 1/2 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.

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