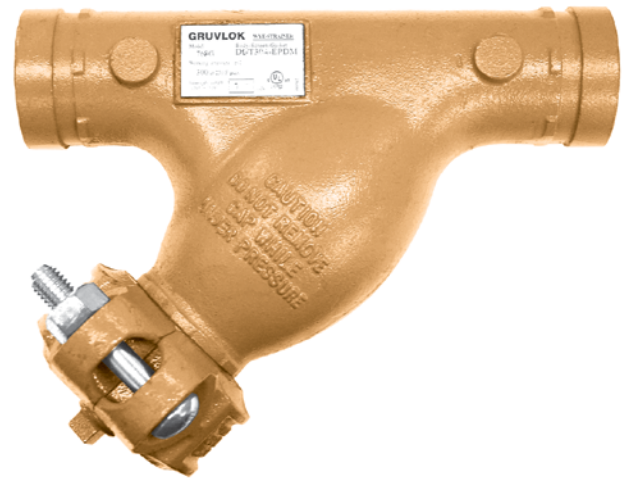


# MODEL 768G

## 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.



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

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

Where:

- Q = Flow (GPM)
- C<sub>v</sub> = 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
- 4" - 12" Type 304 Stainless Steel to ASTM A 240 - 1/8" (3.2 mm) perforations
- Other perforations are available upon request

**COUPLING:** Ductile iron ASTM A 536 Grade 65-45-12

**GASKET:\***

- EPDM Temp range -40°F - +230°F (-40° to 110°C)
- Nitrile Temperature range -20°F to 180°F (-29° to 82°C)

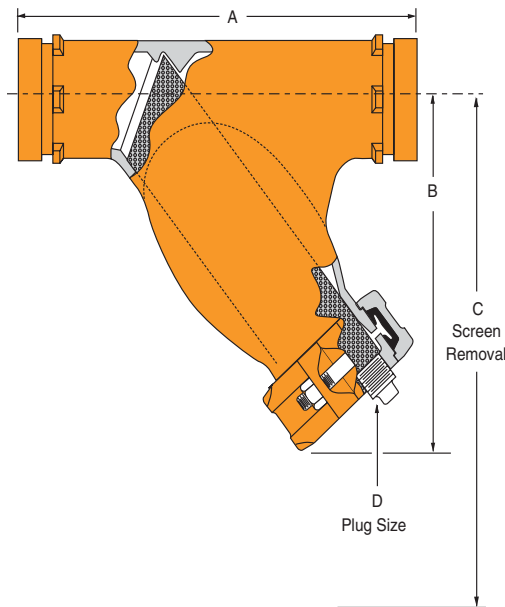
**BLOW DOWN PORT:**

- 2" & 2½": 1/2" tapped with plug,
- 3" & 4": 1" tapped with plug,
- 6" - 12": 1½" tapped with plug

\* Custom screens and/or gaskets are available upon request. Strainer baskets need a routine maintenance program to maintain efficiency and to prevent excess pressure drop caused by a clogged screen.

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	9¾	7½	4¾	½	59	9.3
50	60.3	20.7	248	192	116	12	4.2	4.2
2½	2.875	300	10¾	7¼	4¼	½	92	13.2
65	73.0	20.7	273	211	122	12	6.0	6.0
3	3.500	300	11¾	8¼	5¼	1	162	18.0
80	88.9	20.7	298	231	129	25	8.2	8.2
4	4.500	300	14¼	10½	6½	1	284	26.4
100	114.3	20.7	362	281	168	25	12.0	12.0
5	5.563	300	16½	13	10¾	1	410	46.4
125	141.3	20.7	419	330	258	25	22.0	22.0
6	6.625	300	18½	14¼	8½	1½	770	70.4
150	168.3	20.7	470	357	219	38	32.0	32.0
8	8.625	300	24	17¾	11¼	1½	1010	121.0
200	219.1	20.7	610	454	284	38	55.0	55.0
10	10.750	300	27	20¼	12½	1½	1800	182.6
250	273.1	20.7	686	522	320	38	83.0	83.0
12	12.750	300	30	24	14¾	1½	2800	277.2
300	323.9	20.7	762	609	366	38	126.0	126.0
14	14.000	300	40	29¼	18¾	1½	4600	418.0
350	355.6	20.7	1016	760	480	38	190.0	190.0
16	16.000	300	42	30¼	19	1½	5800	495.0
400	406.4	20.7	1067	777	483	38	225.0	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.