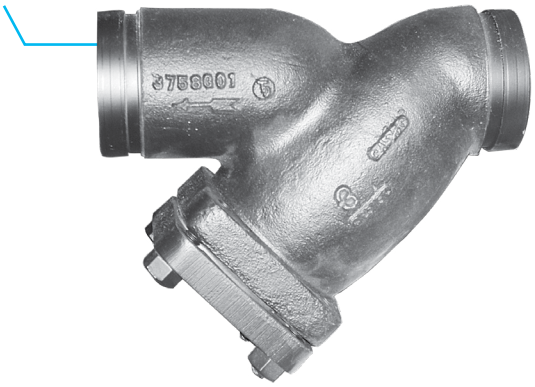
ASC Engineered Solutions

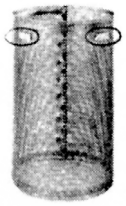
Grooved-End "Wye" Strainer
Model 758G



Service Recommendations
For use in water, oil and gas piping to provide economical protection for pumps, meters, valves, compressors, traps and similar equipment.

Screens
Standard screens for Y-Strainer are perforated 304 Stainless Steel with spot welded seam. Mesh lining is available in all alloys for extra fine straining. Recommended standard perforations are listed below in the material specifications.

Gruvlok Strainer Basket
Furnished as standard in sizes 8" (43 mm) and larger. A one-quarter turn securely locks the screen in its seat and frees the serviceman for securing the cover flange to the body of the strainer.



Contact an ASC Engineered Solutions Representative for other applications.

Construction
All covers have an NPT blowoff outlet at location "C". A recessed seat in the cover ensures accurate screen alignment. Bosses at the inlet and outlet flanges are provided for gauge taps.

Self-cleaning is done by opening the valve or plug connected to the blowoff outlet. (When ordering, advise when strainers are to be mounted in vertical piping, the cover can be rotated to position the blowoff at the lowest point.)

Blowoff Outlets
Tapped NPT size specified in the dimension table.
Blowoff outlets are not normally furnished with plugs.

Individually Hydrostatically Tested

Working Pressures Non-Shock
640 PSI @ 150°F (45 Bar @ 65°C)

Material Specifications

Body & Cover
Ductile Iron ASTM A 395
Grade 60-40-18

Flat Gaskets
Non-asbestos

Screen
2" - 4" Type 304 Stainless Steel 1/16" (1.6mm) dia. holes (12 mesh)
5" - 12" Type 304 Stainless Steel 1/8" (3.2mm) dia. holes (6 mesh)
Special order screen option:
2" - 8" - 16 mesh / 10" - 12" - 12 mesh

Coupling
Ductile iron ASTM A 536
Grade 65-45-12

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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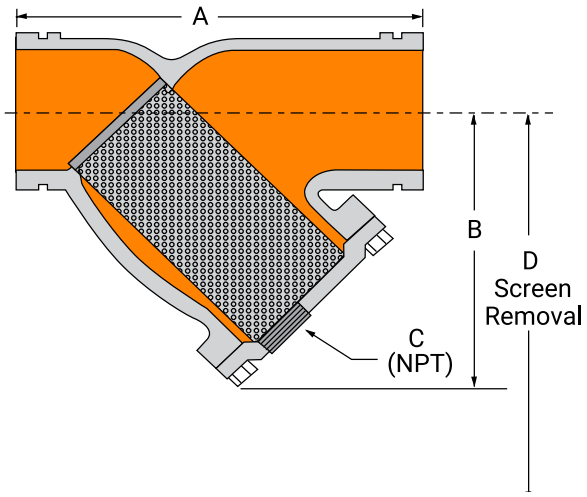


Fig. 758 G Grooved-End "Wye" Strainer

Nominal Size	O.D.	Dimensions A	B	C Plug Size	D	Approx. Wt. Ea.
In./DN(mm)	In./mm	In./mm	In./mm	In./mm	Lbs./Kg	Lbs./Kg
2 50	2.375 60.3	7⅞ 200	5¼ 133	½ 25	7 178	12.0 5.4
2½ 65	2.875 73.0	10 254	6½ 165	1 25	9¾ 248	18.0 8.2
3 80	3.500 88.9	10⅛ 257	7 178	1 25	10 254	23.0 10.4
4 100	4.500 114.3	12⅛ 308	8¼ 210	1½ 38	12 305	42.0 19.1
5 125	5.563 141.3	15⅝ 396	11¼ 286	2 51	17 432	80.0 36.3
6 150	6.625 168.3	18½ 470	13½ 343	2 51	20 508	112.0 50.8
8 200	8.625 219.1	21⅝ 549	15½ 394	2 51	22¾ 577	205.0 93.0
10 250	10.750 273.1	25¾ 654	18½ 470	2 51	28 711	277.0 125.6
12 300	12.750 323.9	30 762	21¾ 552	2 51	30 762	470.0 213.2

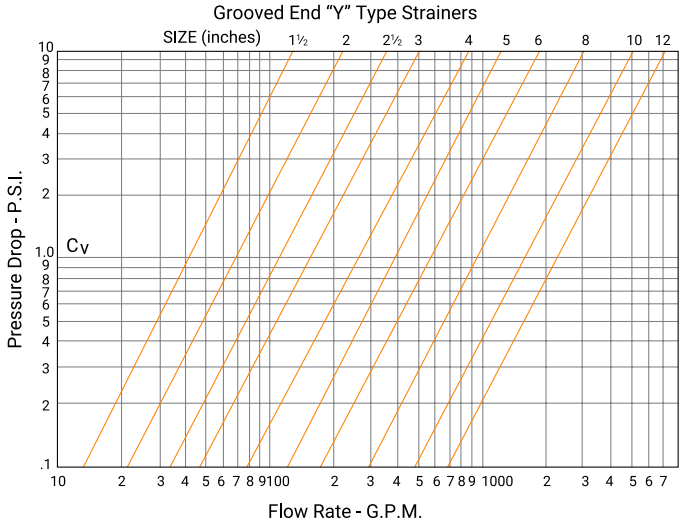
* Maximum working pressure is based upon the performance capability of the Gruvlok Strainer. Maximum system working pressure is dependant upon the couplings used for installation and the pressure capacity of other system components.

Not for use with copper systems.

Flow Data

NOTE 1 Most U.S. piping engineers specify system startup instructions for new systems which include removing the pre-filter screen after system flushing of the main piping before the system is put into normal operation. Flow data values are based on flow of clean water at ambient temperatures. The pressure drop across the diffuser basket strainer, 50% clogged, is approximately twice as great as that of a clean strainer.

NOTE 2 Suction Diffuser baskets need a routine maintenance program to maintain system efficiency.



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