



Strainer, Stone and Gravel Trap

Model: 80F

The Model 80F High Pressure Strainer is designed to protect the pipeline and valves from large foreign objects, such as sticks and stones. It is recommended to install the strainer upstream of control valves, flow meters and other system components.



1.0 General Information:

- Strainer type: Basket
- Strainer pattern: Y (oblique) or angle
- Available sizes: 1.5"-24"/ DN40-600
- Maximum working pressure: 600 psi/ 40 bar
- End connections:
 - Grooved: (OGS) ANSI/AWWA C606 (1.5"-8"/DN40-200)
 - Flanged: ANSI B16.5 class #150 & #300 (1.5"-24"/DN40-600)
 - Threaded: NPT/BSP (1.5"-3"/DN40-80)
- Working temperature: water up to 140°F/60°C

2.0 Certificates:

- NSF 61
- NSF 372
- Others:



ACS
France



GOST
Russia



PZH
Poland



ISO 9001-
2008

Job/Owner

System No.	
Location	

Contractor

Submitted by	
Date	

Engineer

Spec Section	
Paragraph	
Approved	
Date	





3.0 Construction Materials:

- Body and cover:
 - Standard: Ductile Iron, Epoxy Fusion Bonded Coating
 - Optional: Stainless Steel 316
- Screen:
 - Standard: Stainless Steel 302
 - Optional : Stainless Steel 316
- Bolts, nuts and studs:
 - Stainless Steel 316
- Elastomers: EPDM

4.0 Screen Information

- Basket holes diameter (for standard stainless steel 304 screen)
 - 1½"-2.5" / DN40– DN65 : 1.5mm
 - 3"-4" / DN80-DN100 : 3.0mm
 - 6"-24" / DN150-600: 5.0mm

5.0 General Notes:

- N/A

6.0 Specify When Ordering:

- Maximum flow rate (gpm, m³/h)
- Inlet pressure (psi, bar)
- Body material: Ductile Iron (standard) or Stainless Steel
- End connections: Grooved (standard), Flanged or Threaded

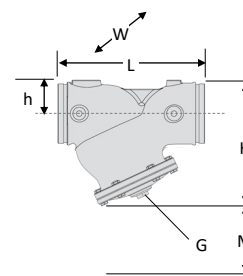




7.0 Dimensions, Weights & Flows:

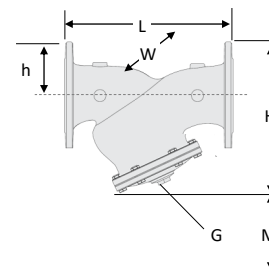
7.1 Grooved Strainers - ANSI/AWWA C606 (Standard)

Nominal	Inch	1.5"	2"	2.5"	3"	4"	6"	8"
	mm	40	50	65	80	100	150	200
L	Inch	8.07	8.27	8.46	9.84	12.6	16.34	19.69
	mm	205	210	215	250	320	415	500
W	Inch	4.8	4.8	4.8	6.61	7.87	12.6	15.35
	mm	122	122	122	168	200	320	390
h	Inch	1.3	1.57	1.57	2.36	2.91	3.74	4.92
	mm	33	40	40	60	74	95	125
H	Inch	7.64	7.91	7.91	10.43	12.8	18.31	20.83
	mm	194	201	201	265	325	465	529
G	mm	¾"			1½"		2"	
Weight	lb.	7.5	7.9	24	27	44	68	115
	Kg	3.4	3.6	11	12	20	31	52
M	Inch	2.99	2.99	2.99	4.13	5	5.94	7.28
	mm	76	76	76	105	127	151	185
Cv	psi, GPM	40	47	49	113	189	400	655
Kv	m ³ /hr/bar	35	41	42	98	164	346	567
K	-	3.3	5.8	15.9	6.7	5.8	6.6	7.8



7.2 Flanged Strainers - Ductile Iron, Sigma Series - Class ANSI300

Nominal	Inch	1.5"	2"	2.5"	3"	4"	6"	8"	10"	12"
	mm	40	50	65	80	100	150	200	250	300
L	Inch	9.06	9.06	11.42	12.2	13.78	18.9	23.62	28.74	33.46
	mm	230	230	290	310	350	480	600	730	850
W	Inch	6.1	6.5	7.48	8.27	10.04	12.6	15.75	18.9	22.44
	mm	155	165	190	210	255	320	400	480	570
h	Inch	3.19	3.39	3.78	4.25	5.12	6.42	7.6	8.94	10.71
	mm	81	86	96	108	130	163	193	227	272
H	Inch	9.21	9.69	11.57	13.11	15.59	20.24	24.33	28.54	34.69
	mm	234	246	294	333	396	514	618	725	881
G	mm	¾"			1½"		2"			
Weight	lb.	20.7	25.1	26	50	84	152	238	357	536
	Kg	9.4	11.4	12	23	38	69	108	162	243
M	Inch	2.99	2.99	2.99	4.13	5	5.94	7.28	9.84	11.81
	mm	76	76	76	105	127	151	185	250	300
Cv	psi, GPM		47	49	113	189	400	655	1016	1663
Kv	m ³ /hr/bar	35	41	42	98	164	346	567	880	1440
K	-	3.3	5.8	15.9	6.7	5.8	6.6	7.8	7.9	6.1



■ Notes:

- M - Minimal required space for screen replacement
- G - Threaded BSP.P unless otherwise noted

