



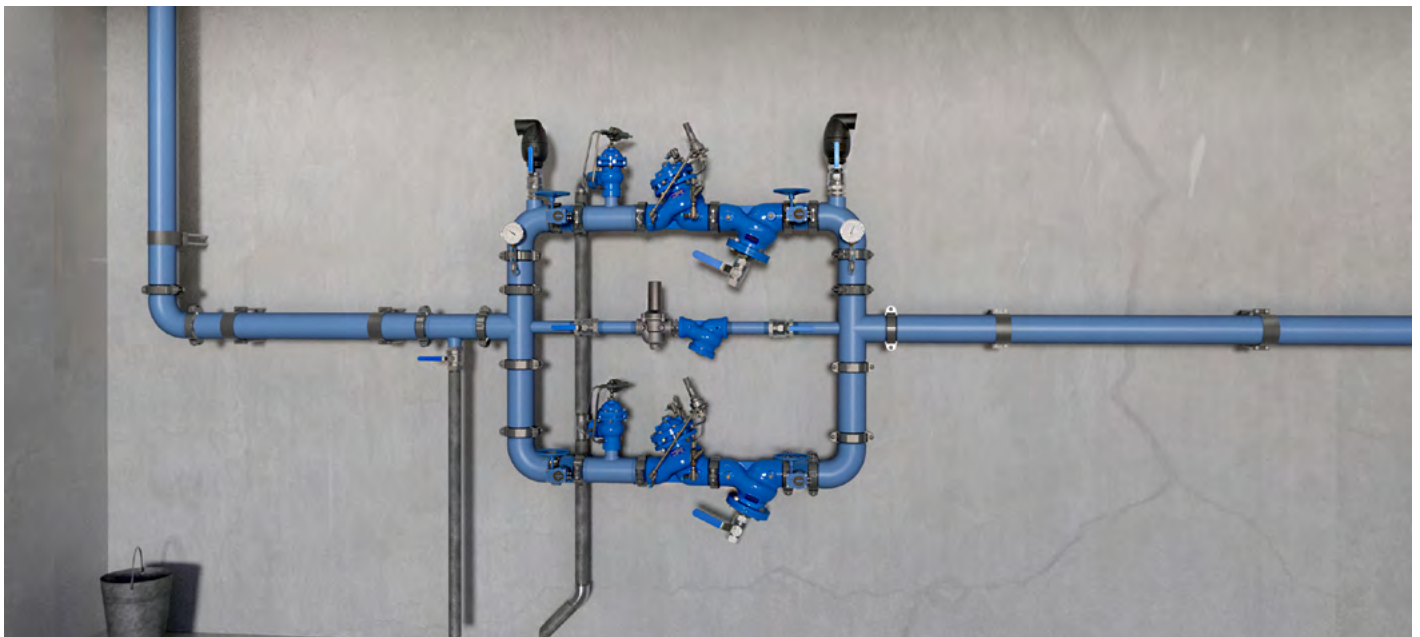
STRAINER

Stone and Gravel Trap

Model 70F

The BERMAD 70F 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 from control valves, flow meters and other system components.



Pressure Reducing Station, featuring BERMAD 70F Strainers to protect each branch from foreign debris, a redundant, parallel branch to minimize the possibility of total water shut-off and a low

flow bypass branch for low demand operation. For information on the other BERMAD products in this system please see the product data sheet for the BERMAD 720 and BERMAD 73Q.

Typical Application

- Protects control valves and other hydraulic equipment against damaging debris



Features and Benefits

- High Quality Construction Materials – Reliable, resilient and long lasting operation
- Robust Design – Suitable for constant, intense operation
- In-Line Serviceable – Quick and easy maintenance and service

Technical Data

General:

End connections:

Grooved / Flanged / Threaded

Pressure Rating: 400 psi; PN25

Valve Pattern: Y (Oblique) / Angle

Working Temperature:

Cold Water up to 140°F; 60°C

Optional Higher Temperatures:

Available on request

Main Valve Materials:

Body and Cover:

Standard: Ductile Iron

Optional: Stainless Steel 316

Screen: Stainless Steel 304 (Standard)

Screen Holes Diameter:

1½"-2½": 2.0mm

3"-4": 3.0mm

6"-20": 5.0mm

Seals: Synthetic rubber

Coating: Blue Fusion bonded epoxy

NOTE: For 600 psi/ 40 bar applications consider the BERMAD 80F Strainer.

* For other optional material consult BERMAD.
** Materials may vary according to sanitary standard.

How To Order

Please Specify the requested valve in the following sequence:

BC - 2" - 70F - 00 - P2 - Y - C - VI - EB - 000 - 00 - 0

Segment	Model	End Connection	Standard	Code	Coating	Code	Additional Attributes (Multiple Options Permitted)	Code
BC	70F	Up to 250 psi / PN16	ANSI C606	VI	Epoxy Blue	EB	Pressure Gauge	6
Size	Series	Grooved	BS 1387	VB	Epoxy Blue with UV Protection	EV		
1½" DN40	Classic	Flanged (Other standards available)	ISO-16	16	Uncoated	UC		
2" DN50	Sigma EN	Threaded	ANSI 150	A5				
2½" DN65	Potable water Compatibility		AST-*	S*				
3" DN80	Code		BSPT	BP				
4" DN100	Approved		NPT	NP				
6" DN150	Unregistered	250-400 psi / PN25	ANSI C606	V2				
8" DN200	Code	Grooved	BS 1387	VD				
10" DN250	P2	Flanged (Other standards available)	ISO-25	25				
12" DN300	Orientation	Threaded	ANSI 300	A3				
14" DN350	Code		BSPT	PH				
16" DN400	Y Oblique		NPT	NH				
18" DN450	Angle							
20" DN500	Code							
	Construction Material							
	Ductile Iron							
	Code							
	C							
	Stainless Steel 316							
	Code							
	N							



NSF 61/372
USA



Bulgarkontrola
Bulgaria



ACS
France



GOST
Russia

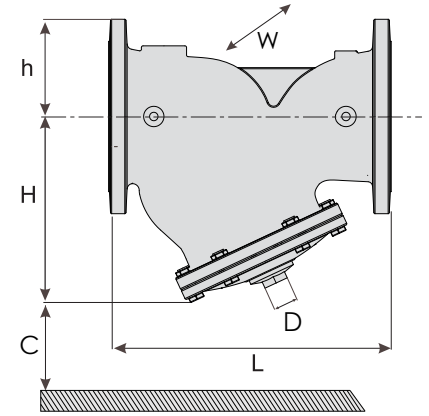


PZH
Poland



Dimensions and Weights

Flanged 70F-EN										
Nominal Diameter	inch	1.5"	2"	2.5"	3"	4"	6"	8"	10"	12"
	mm	40	50	65	80	100	150	200	250	300
L	mm	230	230	290	310	350	480	600	730	850
	inch	9.06	9.06	11.42	12.20	13.78	18.90	23.62	28.74	33.46
W	mm	155	165	190	210	255	320	400	480	570
	inch	6.10	6.50	7.48	8.27	10.04	12.60	15.75	18.90	22.44
h	mm	81	86	96	108	130	163	193	227	272
	inch	3.19	3.39	3.78	4.25	5.12	6.42	7.60	8.94	10.71
H	mm	153	160	198	225	266	351	425	498	609
	inch	6.02	6.30	7.80	8.86	10.47	13.82	16.73	19.61	23.98
C	mm	76	76	76	105	127	151	185	250	300
	inch	2.99	2.99	2.99	4.13	5.00	5.94	7.28	9.84	11.81
Weight*	kg	9.4	11.4	12	23	38	69	108	162	243
	lbs	21	25	26	51	84	152	238	357	536
Kv	m ³ hr/bar	35	41	42	98	164	346	567	880	1440
Cv	gpm/psi	40	47	49	113	189	400	655	1016	1663
D**	mm	20			40			50		
	inch	¾"			1½"			2"		



Grooved 70F-00									
Nominal Diameter	inch	1.5"	2"	2.5"	3"	4"	6"	8"	
	mm	40	50	65	80	100	150	200	
L	mm	205	210	215	250	320	415	500	
	inch	8.07	8.27	8.46	9.84	12.60	16.34	19.69	
W	mm	122	122	122	168	200	320	390	
	inch	4.80	4.80	4.80	6.61	7.87	12.60	15.35	
h	mm	33	40	40	60	74	95	125	
	inch	1.30	1.57	1.57	2.36	2.91	3.74	4.92	
H	mm	161	161	161	205	251	370	404	
	inch	6.34	6.34	6.34	8.07	9.88	14.57	15.91	
C	mm	76	76	76	105	127	151	185	
	inch	2.99	2.99	2.99	4.13	5.00	5.94	7.28	
Weight*	kg	3.4	3.6	11	12	20	31	52	
	lbs	7	8	24	26	44	68	115	
KV	m ³ hr/bar	35	41	42	98	164	346	567	
Cv	gpm/psi	40	47	49	113	189	400	655	
D**	mm	20			40			50	
	inch	¾"			1½"			2"	

Threaded 70F-00				
1.5"	2"	2.5"	3"	
40	50	65	80	
155	155	212	250	
6.10	6.10	8.35	9.84	
129	129	129	163	
5.08	5.08	5.08	6.42	
37	40	48	56	
1.46	1.57	1.89	2.20	
164	164	161	208	
6.46	6.42	6.34	8.19	
76	76	76	105	
2.99	2.99	2.99	4.13	
2.9	2.9	5.4	12	
6	6	12	26	
35	41	42	98	
40	47	49	113	
	20		40	
	¾"		1½"	

* Maximum Dimensions

**Threaded BSP.P