



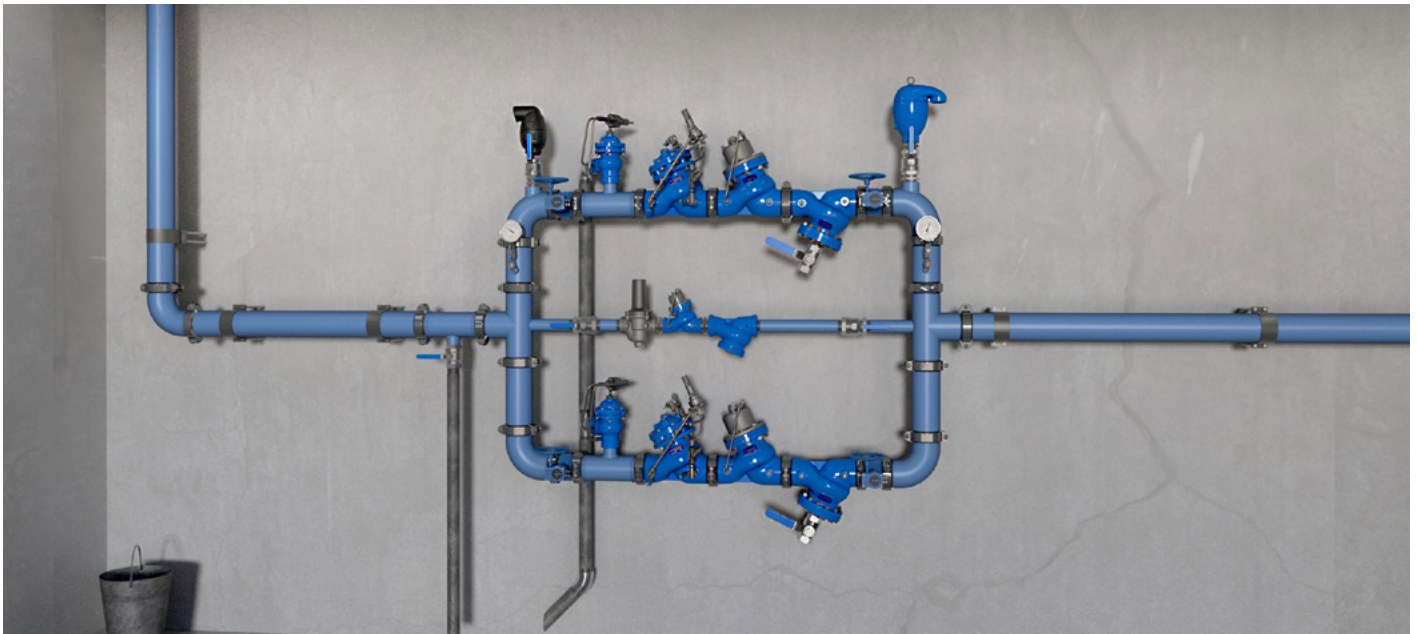
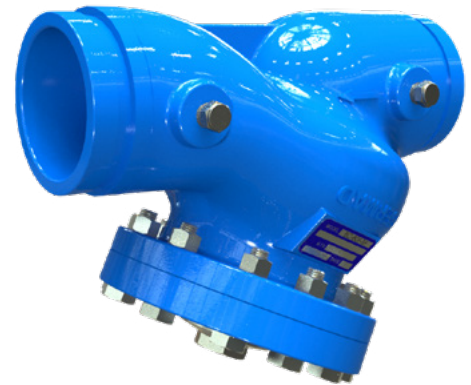
HIGH PRESSURE STRAINER

Stone and Gravel Trap

Model BC-80F-P

The BERMAD BC-80F-P 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 BC-80F-P 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 following components: BERMAD BC-820-PP-P, BERMAD BC-720-P and BERMAD BC-73Q-P.

Typical Application

- Protects control valves and other hydraulic equipment against damaging debris

Features and Benefits

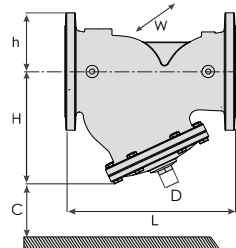
- High Quality Construction Materials – Reliable, resilient and long lasting operation
- Robust Design – Suitable for constant, intense operation
- In-Line Serviceable – Quick and easy maintenance and service

NOTE: The BERMAD BC-80F-P Strainer is designed for high operating pressures. For lower operating pressures, consider the BERMAD BC-70F-P Strainer.



Dimensions and Weights

Series		800 Sigma EN							800 Classic										
		Flanged							Grooved							Threaded			
Size	Inch	1½	2	2½	3	4	6	8	1½	2	2½	3	4	6	8	1½	2	2½	3
	DN	40	50	65	80	100	150	200	40	50	65	80	100	150	200	40	50	65	80
L	Inch	9.06	9.06	11.42	12.20	13.78	18.90	23.62	8.07	8.27	8.46	9.84	12.60	16.34	19.69	6.10	6.10	8.35	9.84
	mm	230	230	290	310	350	480	600	205	210	215	250	320	415	500	155	155	212	250
W	Inch	6.10	6.50	7.01	7.87	9.25	11.81	14.17	4.84	4.84	4.84	6.69	7.76	10.31	13.94	4.84	4.84	4.84	6.69
	mm	155	165	178	200	235	300	360	123	123	123	170	197	262	354	123	123	123	170
h*	Inch	3.19	3.43	3.62	4.17	4.84	6.18	7.40	1.30	1.57	1.56	2.36	2.91	3.74	4.57	1.46	1.57	1.89	2.20
	mm	81	87	92	106	123	157	188	33	40	39.5	60	74	95	116	37	40	48	56
H*	Inch	4.88	4.88	4.88	6.69	8.58	10.83	13.07	4.88	4.69	4.69	6.69	8.58	10.83	13.07	4.88	4.69	4.69	6.69
	mm	124	124	124	170	218	275	332	124	119	119	170	218	275	332	124	119	119	170
C	Inch	2.32	2.48	2.48	4.02	4.69	6.61	8.31	2.32	2.48	2.48	4.02	4.69	6.61	8.31	2.32	2.48	2.48	4.02
	mm	59	63	63	102	119	168	211	59	63	63	102	119	168	211	59	63	63	102
D	Inch	¾	¾	¾	1½	1½	2	2	¾	¾	¾	1½	1½	2	2	¾	¾	¾	1½
	mm	20	20	20	40	40	50	50	20	20	20	40	40	50	50	20	20	20	40
Weight	lb	21	25	38	51	84	152	238	7	8	9	26	44	68	115	6	6	12	26
	Kg	9.4	11.4	17.4	23	38	69	108	3.4	3.6	3.9	12	20	31	52	2.9	2.9	5.4	12
Cv		40	47	49	113	189	400	655	40	47	49	113	189	400	655	40	47	49	113
	Kv	35	41	42	98	164	346	567	35	41	42	98	164	346	567	35	41	42	98



Technical Data

General:

End connections:

Grooved / Flanged / Threaded

Pressure Rating: 600 psi; PN40

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: Ductile Iron

Cover: Cast Steel

Optional: Stainless Steel 316

Screen: Stainless Steel 304

Seals: EPDM

Coating: Blue Fusion bonded epoxy

* 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:

BERMAD Segment	Size ¹	Model	Series	Approval Group	End Connections & Pressure Rating	Ordering code would be
BC	4"	80F	EN	P1	A3	BC-4"-80F-EN-P1-A3
Buildings & Constructions	Inch mm		Series	Potable Water ²	Up to 600 psi / PN40	
	1½"	40	Classic 00	European Standards P1	Grooved	ANSI C606 V2
	2"	50	Sigma EN EN	NSF 61/372 P2	Flanged	BS 1378 VD
	2½"	65	Sigma ES ES	Australia Standards P3	Threaded	ISO-40 40
	3"	80		Unregistered P0		ANSI300 A3
	4"	100				BSP PH
	6"	150				NPT NH
	8"	200				
	10"	250				
	12"	300				

1. Larger sizes available on request
2. BERMAD complies with a wide range of international potable water standards. Please consult with BERMAD about compliance.



NSF 61/372 USA



Bulgarkontrola Bulgaria



GOST Russia



PZH Poland