



AN SPX BRAND

Complete Solutions for Liquid Filtration



Dual Filter

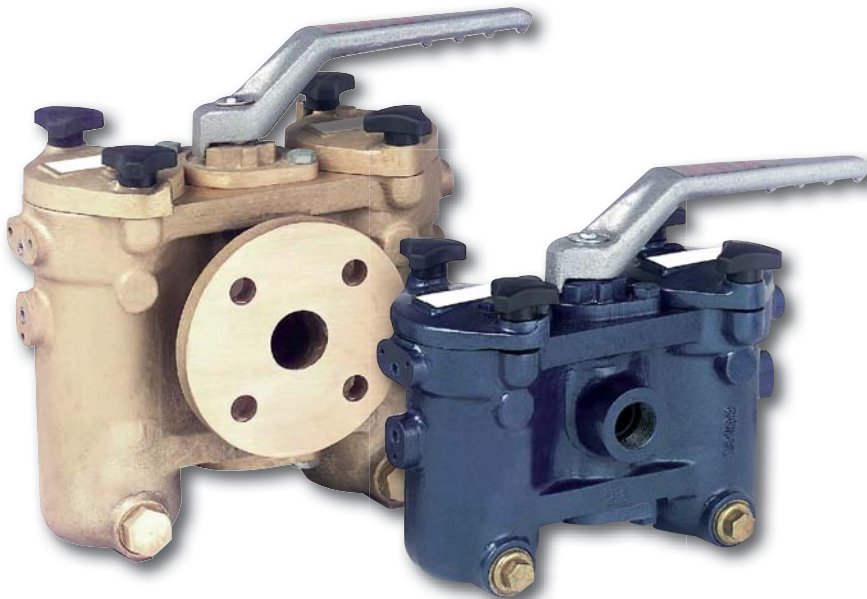
20mm (3/4")-200mm (8") Model OW

For applications where the requirement is for continuous flow with minimum loss of pressure, the dual filter provides quality of design and performance.

The filter is of cast construction and incorporates two chambers each containing a high quality stainless steel basket. Flow is diverted from one basket to the other without interruption by turning the handle, which rotates dual cylindrical cocks, delivering the flow to the appropriate chamber.

Main Features

- Simple changeover operation requires infrequent maintenance.
- Compact design.
- Large filtration areas giving low-pressure drops.
- Working pressures up to 50 bar (A300 Series).
- Quick release filter covers and knobs for easy maintenance.
- No contamination between filtered and unfiltered liquids.
- Wide range of materials, sizes and accessories.
- Filtration down to 10 microns.
- Handle covers chamber in use — preventing accidental opening of pressurised chamber.
- Differential pressure indicators as optional extras.



SPX®

Specification

	OW/O	OW/B	OW/S	OW/S/WB	OW/C	OW/GM	OW/SS	OWS SS A300 Series
Body & Cover Material	Cast Iron BS EN1561/EN-JL 1030	Cast Iron BS EN1561/EN-JL 1030	Cast Steel BS EN10213-2 /1.0625	Cast Steel BS EN10213-2 /1.0625	Cast Iron BS EN1561/EN-JL 1030	Gunmetal BS 1400 GRD LG4C	Stainless Steel BS 1504 316 C16	Cast Steel BS EN 10213-2/0.625 Stainless Steel BS 1504 316 C16
Sleeve	N/A	Bronze BS1400 LG2C	N/A	Bronze BS1400 LG2C	N/A	N/A	N/A	N/A
Change Over Cocks	SG Iron BS2789 Grade 420/12	Bronze BS1400 LG2C	SG Iron BS2789 Grade 420/12	Bronze BS1400 LG2C	Stainless Steel BS1504 Grade 316 C16 (Ni/PTFE Coated)	Bronze BS2789 LG2C	Stainless Steel BS1504 Grade 316 C16	SG Iron BS2789 Grade 420/12 Stainless Steel BS 1504 316 C16
Internal Machine Part	Mild Steel BS970 230 M07	Stainless Steel BS970 308 S31	Mild Steel BS970 230 M07	Stainless Steel BS970 303 S21	Stainless Steel BS970 303 S21	Phosphor Bronze BS1400 Grade PBI	Stainless Steel BS970 303 S31	Mild Steel BS970 230 M07 Stainless Steel BS970 303 S31
Baskets	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Drain Plugs	Brass	Brass	Mild Steel	Brass	Stainless Steel	Phosphor Bronze	Stainless Steel	Steel Stainless Steel
Vent	Steel	Brass	Steel	Brass	Steel	Brass	Brass	Steel Stainless Steel
Seals	Nitrile (-35°C to +120°C)	Nitrile (-35°C to +120°C)	Nitrile (-35°C to +120°C)	Nitrile (-35°C to +120°C)	Nitrile (-35°C to +120°C)	Nitrile (-35°C to +120°C)	Viton (-20°C to +200°C)	Viton (-20°C to +200°C)
Maximum working pressure	17 bar at 50°C	17 bar at 50°C	22 bar at 50°C	22 bar at 50°C	17 bar at 50°C	22 bar at 50°C	22 bar at 50°C	50 bar at 50°C
Maximum working temperature	200°C	150°C	200°C	150°C	200°C	200°C	200°C	200°C
	All maximum working temperatures remain dependant on seal selection							
Body Color	Red	Blue	Silver	Silver	Red	Self	Self	Silver Self

Please Note

- 1 These specifications refer to standard products. Other materials for body (e.g. monel, hastalloy) and seals (e.g. EP, PTFE) are available please ask. Please refer to separate data sheet for details of model OW/HP High Pressure filters for working pressures up to 50 bar which are available on request.
- 2 Working pressure is stated at 50°C. To verify suitability of this equipment above this temperature or below 0°C, please contact our Technical Sales Team.
- 3 Whilst alternative seal materials e.g. EP, PTFE are available and can be used to offer a wide range of chemical compatibility and working temperatures up to 260°C, it is recommended that such applications are again discussed with our Technical Sales Team.

Equivalent Material Specifications

	Cast Iron	Cast Steel	Gunmetal	Stainless Steel
European Standard	BS EN1561/EN-JL 1030	BS EN10213-2/1.0625	BS 1400 GRD LG4C	BS EN 10213-4/1.4408
American Standard	ASTM A48/76 Class 35	ASTM A216 Grade WCB	—	ASTM A351 CR8M

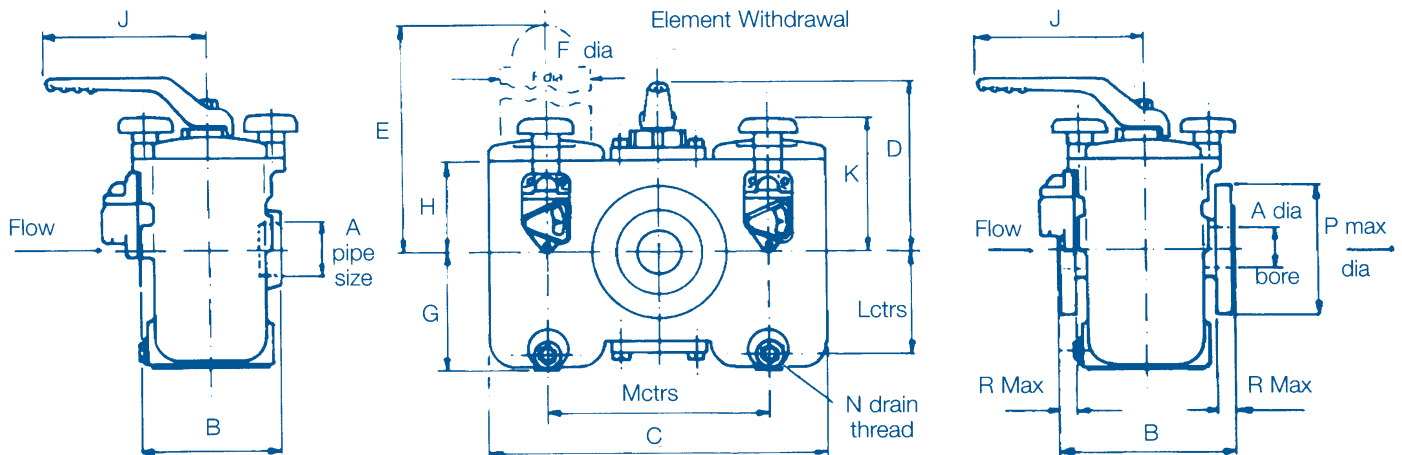
Screwed BSP or NPT (sizes in mm)

Pipe Size	A	B	C	D	E	F	G	H	J	K	L	M	L	Element Area	Weight (Cast Iron)
20 (3/4")	120	282	149	220	73	105	64	205	103	86	170	1/2" BSP	184cm ²	13kg	
25 (1")	120	282	149	220	73	105	64	205	103	86	170	1/2" BSP	184cm ²	13kg	
32 (1 1/4")	137	295	175	306	73	145	90	205	132	122	184	1/2" BSP	268cm ²	19kg	
40 (1 1/2")	137	295	175	306	73	145	90	205	132	122	184	1/2" BSP	268cm ²	19kg	
50 (2")	184	425	216	351	112	156	112	219	165	131	280	1/2" BSP	484cm ²	49kg	
65 (2 1/2")	184	425	216	351	112	156	112	219	165	131	280	1/2" BSP	484cm ²	49kg	

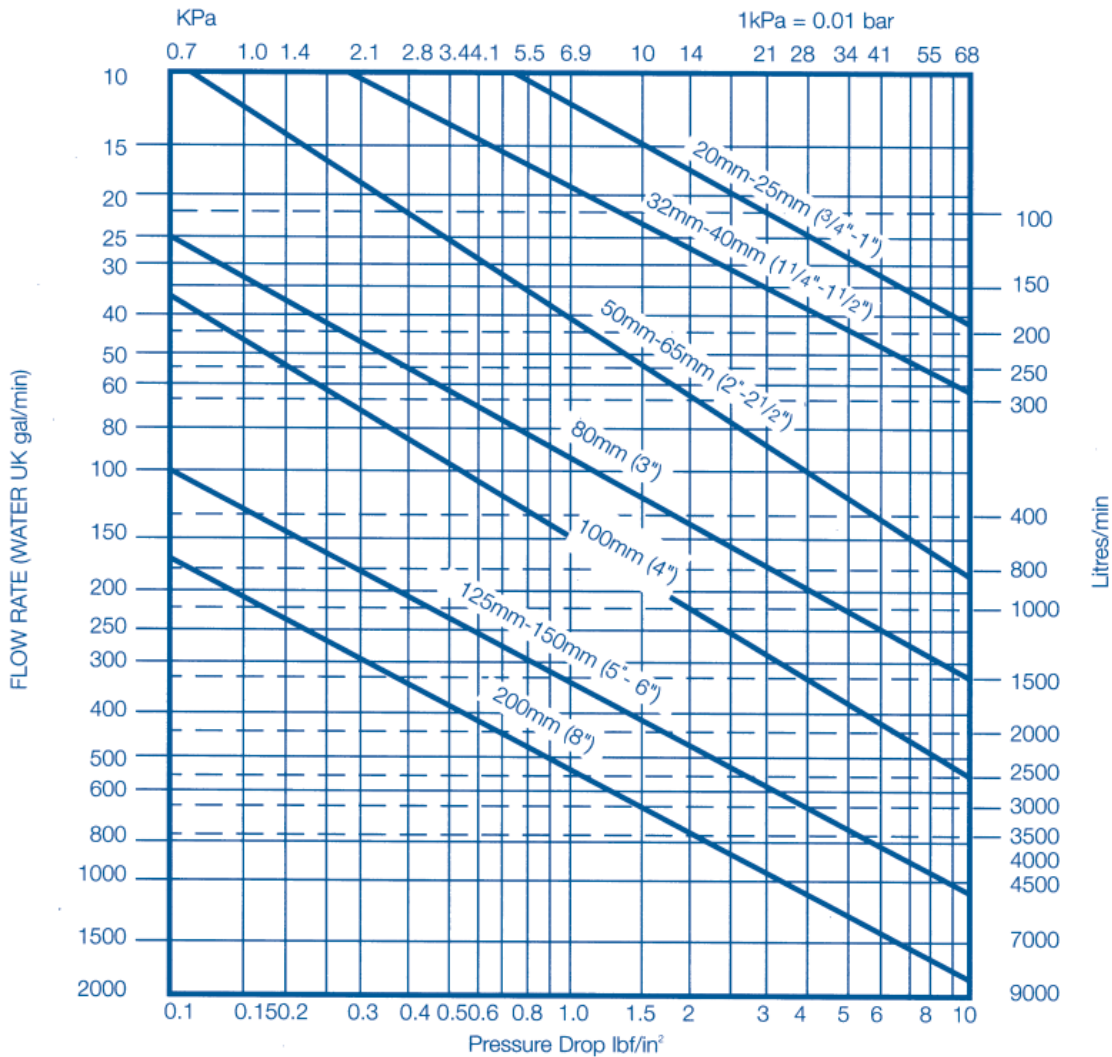
Flanged Drilled BS10, BS4504, ANSI, DIN or JIS (sizes in mm)

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	Element Area	Weight (Cast Iron)
25 (1")	152	282	149	220	73	105	64	205	103	86	170	1/2" BSP	124	16	184cm ²	16kg	
40 (1 1/2")	175	295	175	306	73	145	90	205	132	122	184	1/2" BSP	156	18	268cm ²	23kg	
50 (2")	210	425	212	351	112	156	112	219	165	131	280	1/2" BSP	165	20	484cm ²	52kg	
65 (2 1/2")	230	425	212	351	112	156	112	219	165	131	280	1/2" BSP	191	20	484cm ²	53kg	
80 (3")	267	490	256	451	132	210	140	250	198	186	330	1/2" BSP	210	22	718cm ²	85kg	
100 (4")	318	540	294	575	132	265	175	250	233	241	380	1/2" BSP	230/254	24	964cm ²	125kg	
150 (6")	380	760	398	868	160	410	275	380	—	359	530	1/2" BSP	318	25	2065cm ²	250kg	
200 (8")	570	1020	550	1210	248	520	390	500	—	472	700	(1/2") BSP	381	30	3980cm ²	730kg	

* Also available as a Multi-Basket Filter.



OW Dual Filters Sizing Chart



FLOW CONTROL

Your local contact:



SPX Flow Control
 Hambridge Road
 Newbury, Berkshire, RG14 5TR
 Phone: +44 (0) 1635 263915 Fax: +44 (0) 1635 36006
 E-mail: airpel@spx.com

For more information about our worldwide locations, approvals, certifications, and local representatives, please visit www.spxpe.com.

SPX reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing. Certified drawings are available upon request.