



**AN SPX BRAND**

**Complete Solutions for Liquid Filtration**



## Dual Filter

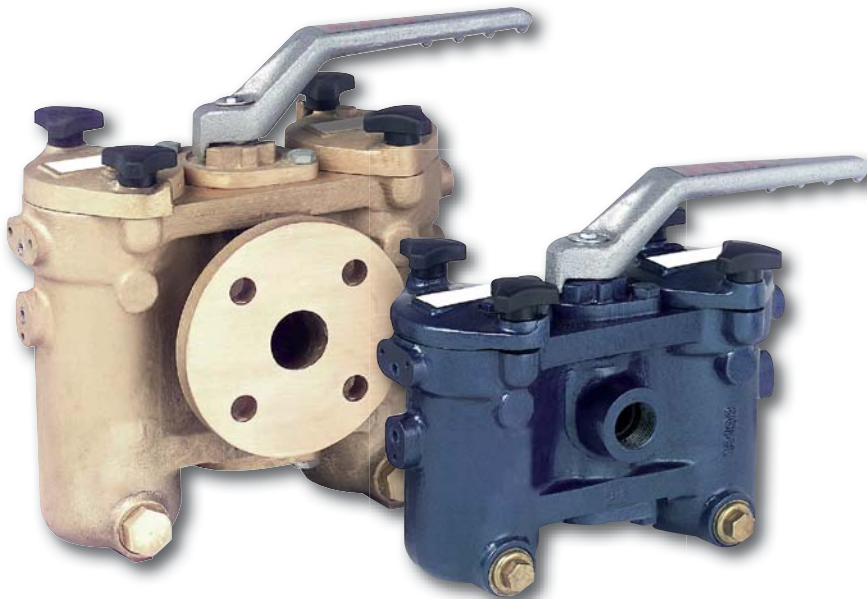
### 20mm (3/4")-200mm (8") Model OW

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.



## Specification

|                             | OW/O  | OW/B                           | OW/S                            | OW/S/WB                         | OW/C  | OW/GM                            | OW/SS                                | OWS SS<br>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       |

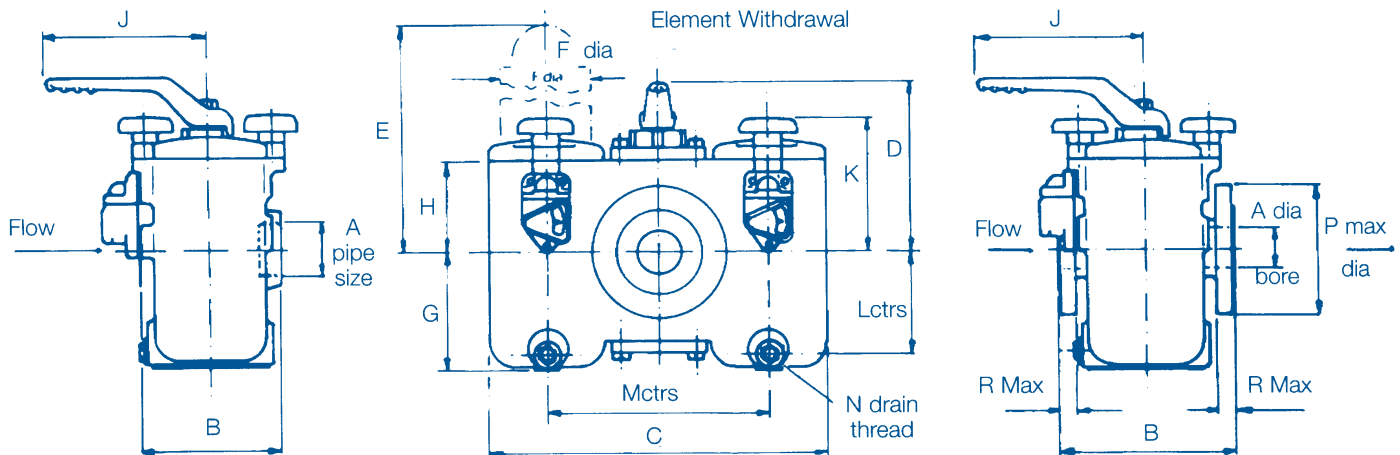
### Screwed BSP or NPT (sizes in mm)

| 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 <sup>2</sup> | 13kg         |                    |
| 25 (1")     | 120 | 282 | 149 | 220 | 73  | 105 | 64  | 205 | 103 | 86  | 170 | 1/2" BSP | 184cm <sup>2</sup> | 13kg         |                    |
| 32 (1 1/4") | 137 | 295 | 175 | 306 | 73  | 145 | 90  | 205 | 132 | 122 | 184 | 1/2" BSP | 268cm <sup>2</sup> | 19kg         |                    |
| 40 (1 1/2") | 137 | 295 | 175 | 306 | 73  | 145 | 90  | 205 | 132 | 122 | 184 | 1/2" BSP | 268cm <sup>2</sup> | 19kg         |                    |
| 50 (2")     | 184 | 425 | 216 | 351 | 112 | 156 | 112 | 219 | 165 | 131 | 280 | 1/2" BSP | 484cm <sup>2</sup> | 49kg         |                    |
| 65 (2 1/2") | 184 | 425 | 216 | 351 | 112 | 156 | 112 | 219 | 165 | 131 | 280 | 1/2" BSP | 484cm <sup>2</sup> | 49kg         |                    |

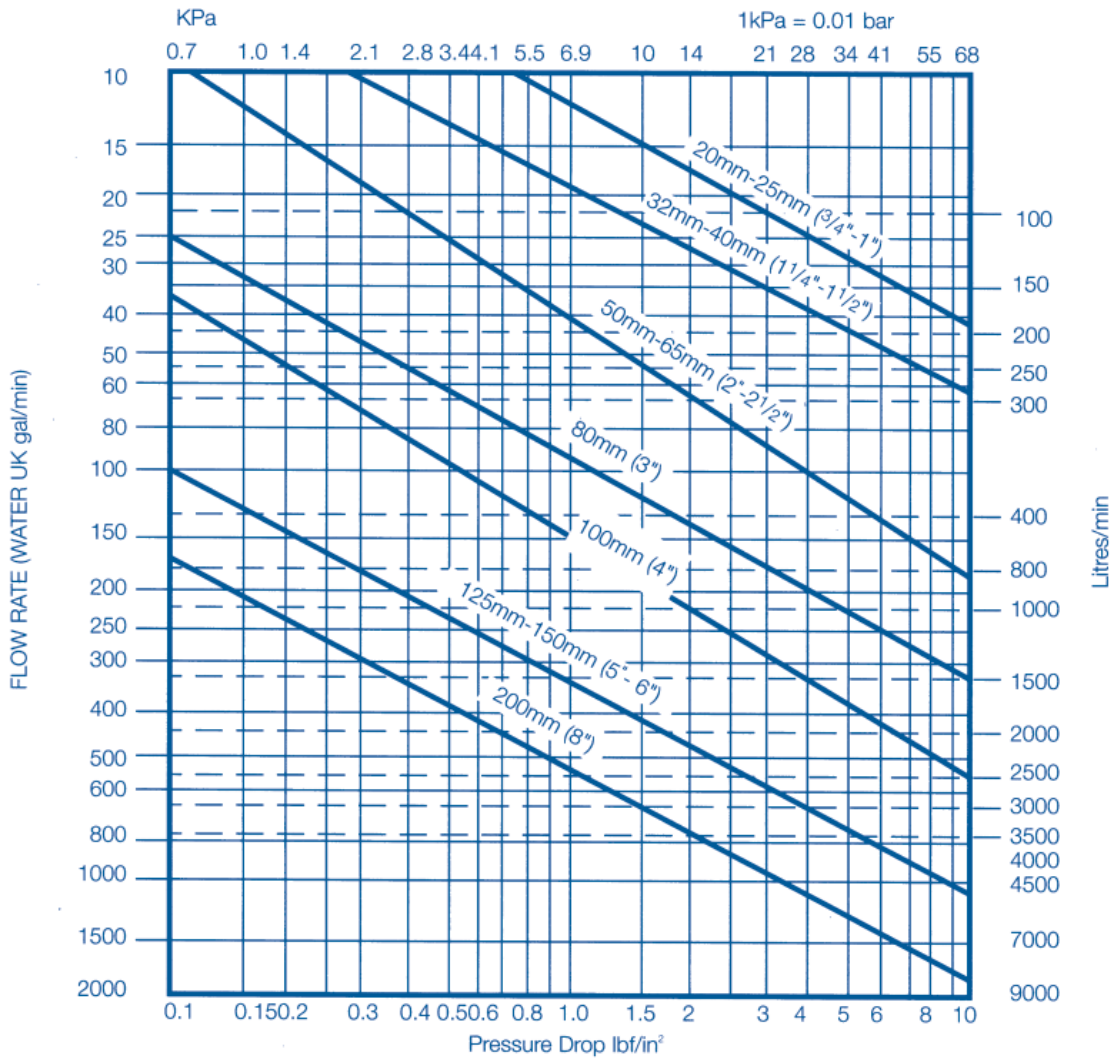
### Flanged Drilled BS10, BS4504, ANSI, DIN or JIS (sizes in mm)

|             | 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 <sup>2</sup>  | 16kg         |                    |
| 40 (1 1/2") | 175 | 295  | 175 | 306  | 73  | 145 | 90  | 205 | 132 | 122 | 184 | 1/2" BSP   | 156     | 18 | 268cm <sup>2</sup>  | 23kg         |                    |
| 50 (2")     | 210 | 425  | 212 | 351  | 112 | 156 | 112 | 219 | 165 | 131 | 280 | 1/2" BSP   | 165     | 20 | 484cm <sup>2</sup>  | 52kg         |                    |
| 65 (2 1/2") | 230 | 425  | 212 | 351  | 112 | 156 | 112 | 219 | 165 | 131 | 280 | 1/2" BSP   | 191     | 20 | 484cm <sup>2</sup>  | 53kg         |                    |
| 80 (3")     | 267 | 490  | 256 | 451  | 132 | 210 | 140 | 250 | 198 | 186 | 330 | 1/2" BSP   | 210     | 22 | 718cm <sup>2</sup>  | 85kg         |                    |
| 100 (4")    | 318 | 540  | 294 | 575  | 132 | 265 | 175 | 250 | 233 | 241 | 380 | 1/2" BSP   | 230/254 | 24 | 964cm <sup>2</sup>  | 125kg        |                    |
| 150 (6")    | 380 | 760  | 398 | 868  | 160 | 410 | 275 | 380 | —   | 359 | 530 | 1/2" BSP   | 318     | 25 | 2065cm <sup>2</sup> | 250kg        |                    |
| 200 (8")    | 570 | 1020 | 550 | 1210 | 248 | 520 | 390 | 500 | —   | 472 | 700 | (1/2") BSP | 381     | 30 | 3980cm <sup>2</sup> | 730kg        |                    |

\* Also available as a Multi-Basket Filter.



# OW Dual Filters Sizing Chart



**FLOW CONTROL**

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For more information about our worldwide locations, approvals, certifications, and local representatives, please visit [www.spxpe.com](http://www.spxpe.com).

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