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Dualfilter

Series OW



Data-Sheet

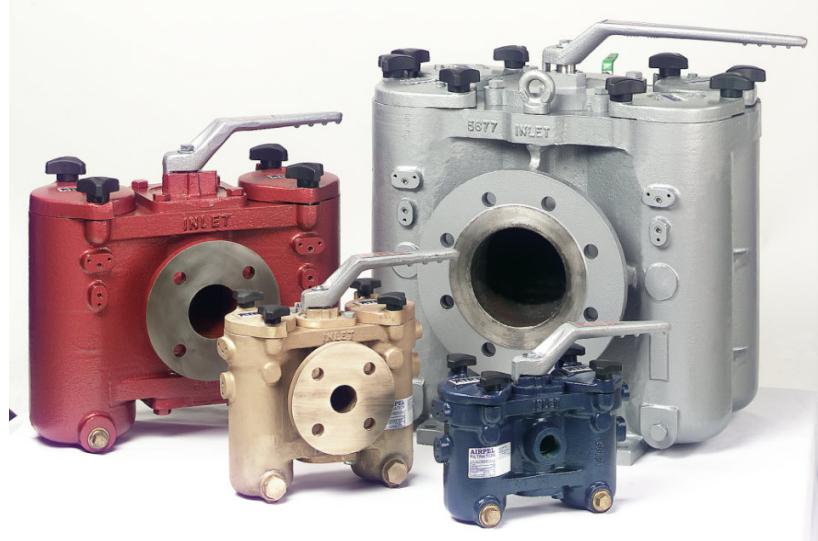
DN 20 (3/4") – DN 200 (8")



General

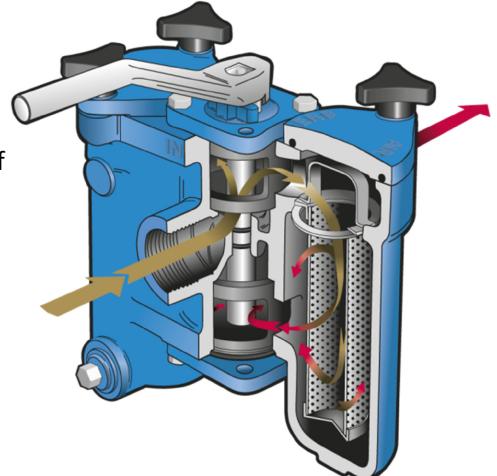
For applications where the requirement is for continuous flow with minimum loss of pressure, the dual filter provides quality of design and performance.

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



Main Features

- Simple changeover operation requires infrequent maintenance
- Compact design
- Large filtration areas giving low-pressure drops
- Working pressures up to 50 barg (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 pressurized chamber
- Differential pressure indicators as optional extras



General safety instructions



To prevent accidents, the installation, connection and commissioning may only be carried out by authorized and qualified personnel.



Note:

1. When installed in open air, the filter must be protected from frost.
2. The flow depends on the dirt load and fineness.

Product-details

Model	OW/O	OW/WB	OW/S	OW/SWB	OW/C	OW/GM	OW/SS	OW/S A300 Series	OW/SS A300 Series
Baskets	Stainless steel BS1449 316 (Filtration Rating: 10, 25, 50, 80, 130, 190, 250, 380, 560, 910, 1600, 3170, 6350 µm)								
Body- & Covermaterial	Cast Iron EN1561 / EN-JL 1030	Cast Iron EN1561 / EN-JL 1030	Cast Steel EN10213-2 / 1.0625	Cast Steel EN10213-2 / 1.0625	Cast Iron EN1561 / EN-JL 1030	Gunmetal (Bronze) BS1400 Grade LG4C	Stainless Steel BS1504 / 316 C16	Cast Steel EN10213-2 / 1.0625	Stainless Steel BS1504 / 316 C16
Sleeve	—	Gunmetal BS1400 Grade LG4C	—	Gunmetal BS1400 Grade LG4C	—	—	—	—	—
Change-over-Cocks	SG Iron EN1563 EN-JS1020	Gunmetal BS1400 Grade LG4C	SG Iron EN1563 EN-JS1020	Gunmetal BS1400 Grade LG4C	Stainless Steel BS1504 / 316 C16	Gunmetal BS1400 Grade LG4C	Stainless Steel BS1504 / 316 C16	SG Iron EN1563 EN-JS1020	Stainless Steel BS1504 / 316 C16
Internal Machine Parts	Mild Steel BS970 220 M07	Stainless Steel BS970 303 S31	Mild Steel BS970 220 M07	Stainless Steel BS970 303 S31	Stainless Steel BS970 303 S31	Phosphor-Bronze BS1400 Grade PBI	Stainless Steel BS970 303 S31	Mild Steel BS970 220 M07	Stainless Steel BS970 303 S31
Drain Plugs	Brass	Brass	Stainless Steel	Brass	Stainless Steel	Phosphor-Bronze	Stainless Steel	Stainless Steel	Stainless Steel
Vent M6	Steel	Brass	Steel	Brass	Steel	Brass	Brass	Stainless Steel	Stainless Steel
Seals	Viton® (-20°C to +200°C)								
Max. Temperature *	260°C	150°C	260°C	150°C	50°C	260°C	260°C	260°C	260°C
Max. 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	17 bar at 50°C*)	22 bar at 50°C	50 bar at 50°C	48 bar at 50°C
Body Colour	Red	Blue	Silver	Silver	Red	Natural	Natural	Silver	Natural

*) All maximum working temperatures remain dependant on seal selection.

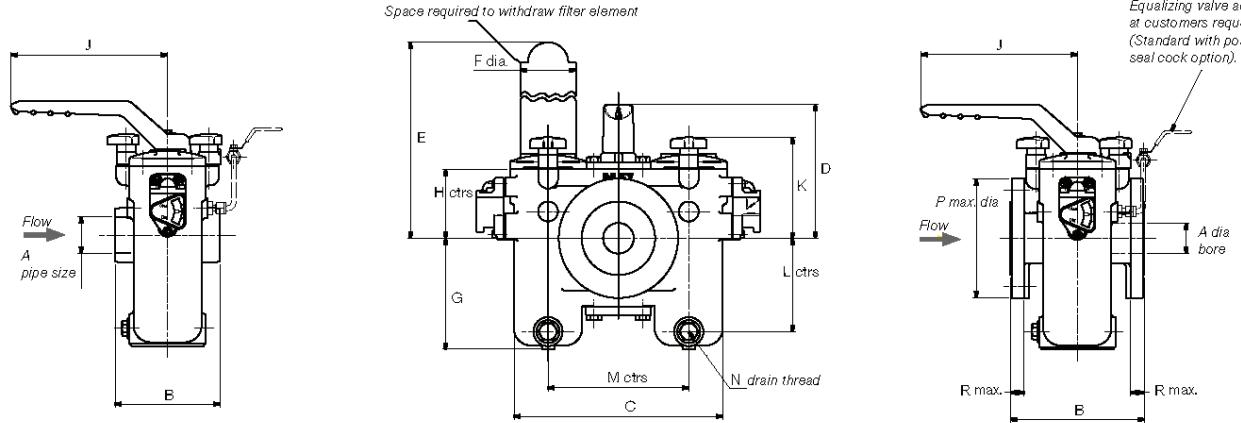
**) Gunmetal (bronze) DN 20, 25 and 40 filters are rated at 13,8 bar at 50°C

Viton is a registered trademark of DuPont Performance Elastomers.

Please note:

	<ul style="list-style-type: none"> These specifications refer to standard products. Alternative materials for bodies (e.g. monel, hastelloy) and seals (e.g. EPDM, PTFE) are available on request. 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 desk. Whilst alternative seal materials e.g. Nitrile, EPDM, 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 discussed with our technical sales desk.
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Dimension



Threaded BSP or NPT (Sizes in mm)

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

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

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

*) Weights based on Cast Iron units.

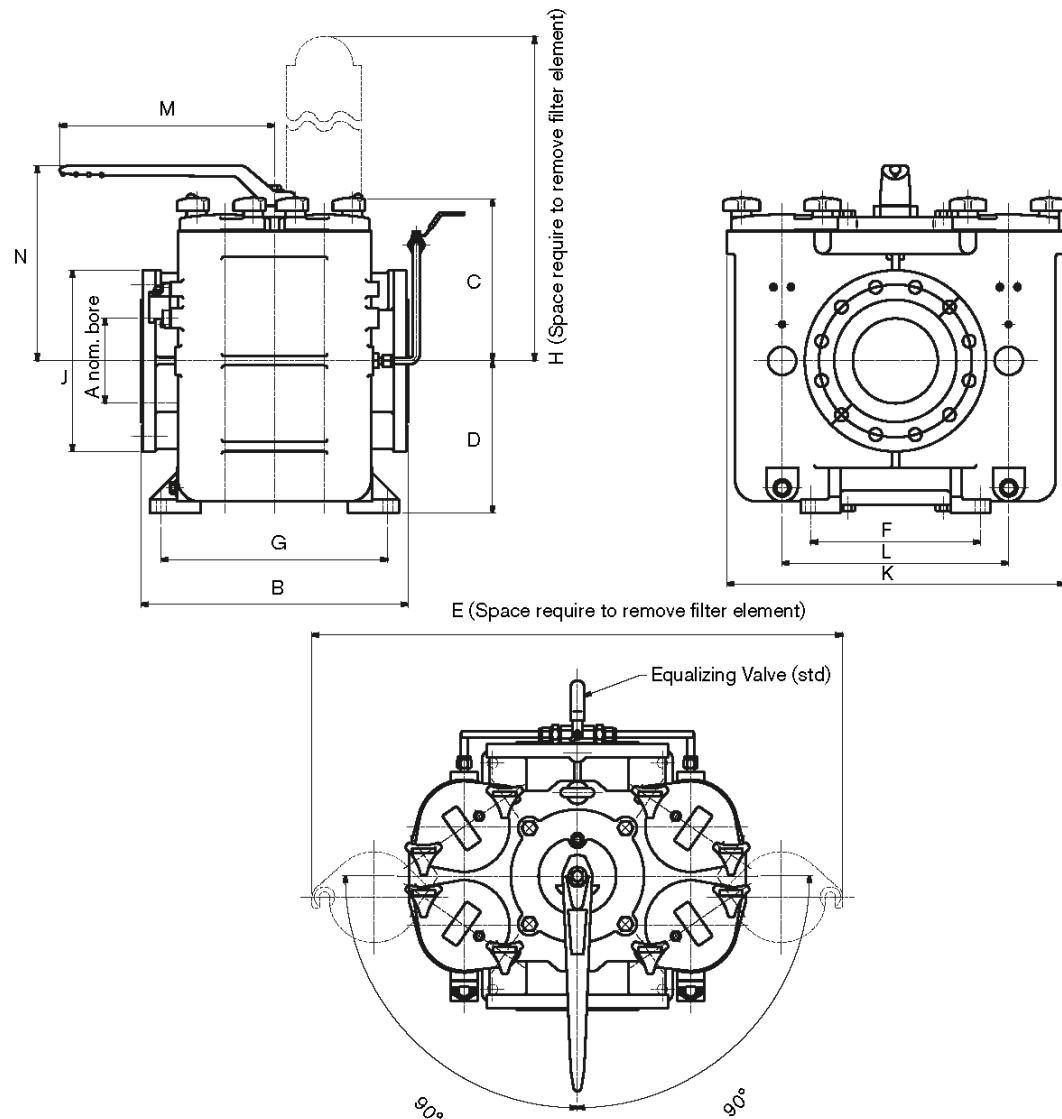
**) Also available as a Multibasket Filter.

Dual Filter Multibasket 150 mm (6")

The Dual Filter Multibasket design complements the existing OW range by offering a high level of filtration within a small, compact physical size where space, weight and high free filtration area are key to the operator.

The filter is of cast construction and is supplied with four quality stainless steel cylindrical baskets which are fitted into the filter in a 2 (left) + 2 (right) arrangement. Just as the standard dual filter range, the construction lends itself to non-interrupted liquid flow during basket removal for cleaning.

Dimension



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

A Dia. Bore	B	C	D	E	F	G	H	J	K	L	M	N	Element Area	Weight (Cast Iron*)
150 (6")	472	286	268,5	937,5	300	400	575	320	596	400	380	344,5	2065 cm ²	250 kg

OPTIONAL

Differential Pressure Indicator (D.P.I.)

As filter baskets become clogged with debris, the pressure drop increases. In order to maintain efficient filtration and line pressure it is important that baskets are cleaned regularly.

The Differential Pressure Indicator is designed to monitor basket conditions and provide visual warning that cleaning is required.

Available as an optional extra on all single- and dualfilters, the indicator is mounted directly on to the filter body and indicates the differential pressure across each basket.



Main Features

- Easy to read
- Compact Design
- No pipework to become clogged
- Positive seal separates clean and dirty liquids
- Remote operation via electrical signal available if required

Specification

- Anodised aluminium casing and nitrile diaphragm for water and oil applications
- Stainless steel casing, stainless steel internals and viton diaphragm for other liquids
- Indicator preset at 10 psi. Other spring ratings available on request
- Pointer operated by internal magnet avoiding leakage through seals

GEFA Certificates

ISO 9001 - OHSAS 18001 - ISO 14001

Zusätzlich zum Qualitätsmanagementsystem **ISO 9001** hat die GEFA Prozesstechnik GmbH jetzt auch für die Bereiche Arbeitsschutz (**OHSAS 18001**) und Umweltmanagement (**ISO 14001**) ein sichtbares Zeichen:



Die **OHSAS 18001** und **ISO 14001** Zertifizierungen sind weltweit anerkannte Standards mit dem Fokus auf Personenschutz, Arbeitssicherheit, Gesundheitsvorsorge und Umweltschutz.