

BASKET FILTERS

40 YEARS OF EXPERIENCE

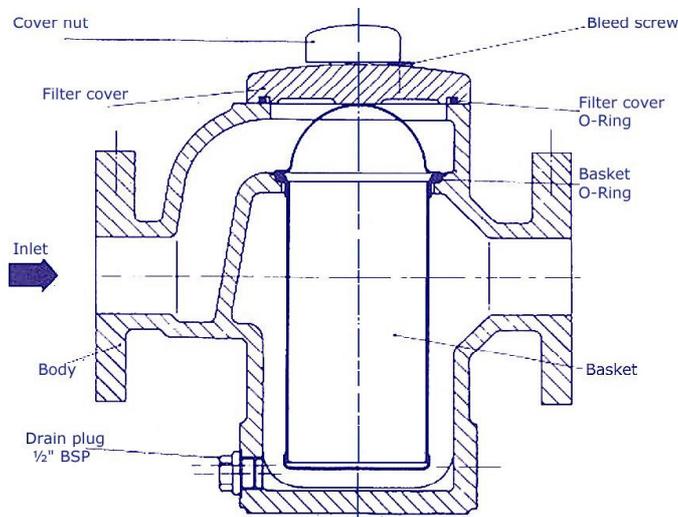
Leaflet F-01-00-uk



**Fluxa
Filtri
S.p.A.**

V.le A. De Gasperi, 88/B-20017 Mazzo di Rho (MI)
Tel. 0293959.1 (15 lines)
Fax 0293959.400-440-470
e-mail: info@fluxafiltri.com - www.fluxafiltri.com

SINGLE FILTERS MODEL "OV"



TECHNICAL FEATURES

Flow rate up to 420 m³/h for liquids with the same viscosity as water
Working pressure up to 22 bar
Working temperature up to 260 °C (according to gasket material)
Element micron rating: from 10µ up to 10 mm.
Connections: 3/4" up to 2,5" BSP screwed
1" up to 10" UNI or ANSI flanged
Easy opening and basket removal

LIST OF MATERIALS

Model	OV	OV/S	OV/GM	OV/SS
Body and cover	CI	CS	GM	SS
Basket	SS	SS	SS	SS
Drain plug	BR	SS	GM	SS
Max. pressure at 50 °C for 3/4" ÷ 6" filters	17	22	22*	22

CI = Cast iron, BR = Brass, GM = Gunmetal, CS = Cast steel, SS = Stainless steel 316
*For filters type OV/GM 3/4" up to 1 1/2" the max pressure at 50 °C is 13 bar

OPTIONAL ACCESSORIES

▲ **Differential pressure indicator** - Designed to monitor basket conditions and provide visual warning that cleaning is required



▲ **Heating jackets** - For constant temperature processes to aid flow of viscous liquids



▲ **Automatic air eliminators** - To vent air from filter e.g. after element cleaning



▲ **Magnetic inserts** - Suspended from the cover to capture metallic particles. Magnets can be nylon coated if required



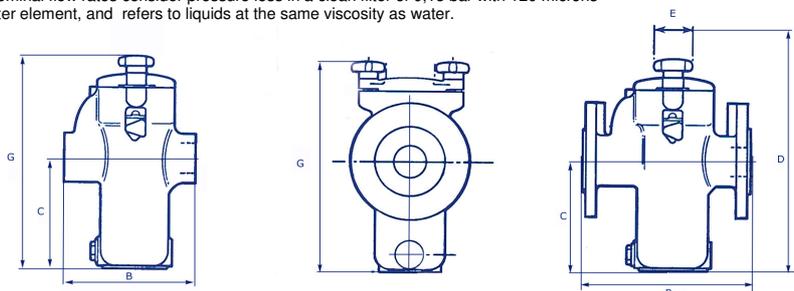
O-Rings & Closures - For chemical or high temperature seals

Custom - designed Element & Baskets - Made according to debris type

DIMENSIONS AND FLOW RATES

MODEL	PIPE SIZE	SCR	B FLG	C	D	E	G	Element area cmq	Weight (Cast iron) Kg	Flow rate m ³ /h
OV.../3/4	3/4"	159	-	105	325	50	208	184	5	5
OV.../1	1"	159	194	105	325	50	208	184	5	8
OV.../1.1/4	1.1/4"	174	-	145	451	50	274	268	7	10
OV.../1.1/2	1.1/2"	174	210	145	451	50	274	268	7	12
OV.../2	2"	270	310	156	507	76	321	484	19	24
OV.../2.1/2	2.1/2"	270	310	156	507	76	321	484	19	25
OV.../3	3"	-	343	210	661	76	408	718	-	42
OV.../4	4"	-	356	265	840	76	499	964	-	45
OV.../6	6"	-	480	361	1089	-	657	1835	-	107

Nominal flow rates consider pressure loss in a clean filter of 0,15 bar with 120 microns filter element, and refers to liquids at the same viscosity as water.



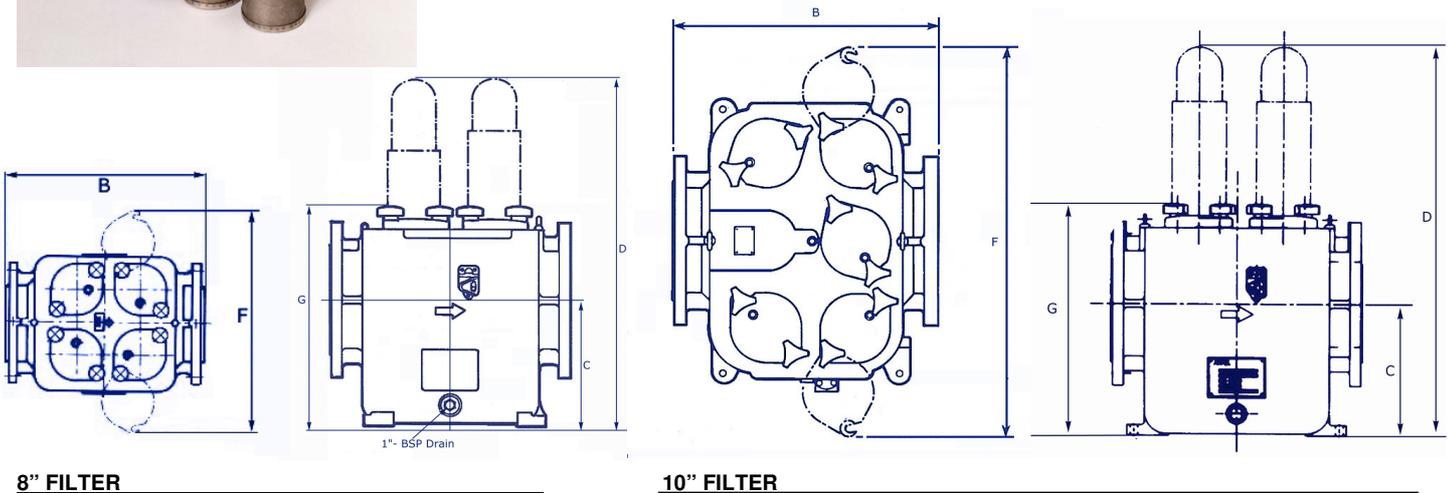
SINGLE FILTER MULTIBASKET MODEL "OV" (Max. working pressure 13 bar @ 50°C)



DIMENSIONS AND FLOW RATES

MODEL	PIPE SIZE	B	C	D	F	G	Element Area cmq	Weight (Cast iron) kg	Flow rate mc/h
OV/.../8	8"	595	308	918	658	538	3560	260	180
OV/.../10	10"	595	272	882	908	548	4770	391	420

Nominal flow rate considers pressure loss in a clean filter of 0,15 bar with 120 microns filter element, and refers to liquids at the same viscosity as water.



8" FILTER

10" FILTER

SINGLE AND DUPLEX FILTERS SERIES "A300" UP TO 50 BAR @ 50°C



LIST OF MATERIALS

Model	OV/S/A300	OV/SS/A300	OW/S/A300	OW/SS/A300
Body and cover	AC	SS	CS	SS
Change-over cocks	-	-	CI	SS
Internal machine parts	-	-	MS	SS
Basket	SS	SS	SS	SS
Drain	S	SS	CS	SS

CI = Cast iron, AC = Cast steel, SS = Stainless steel 316, MS = Mild steel
S = Steel

TECHNICAL FEATURES

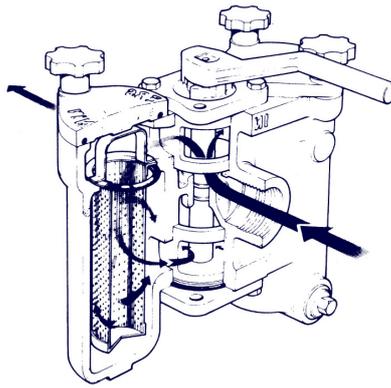
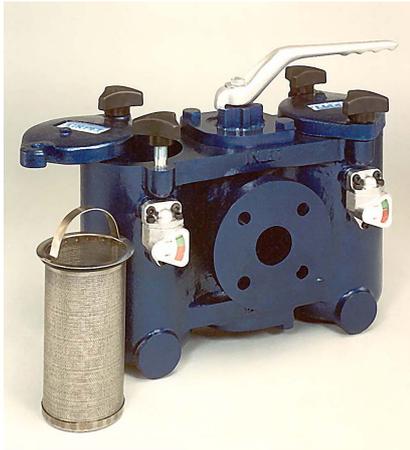
- Working pressure: up to 50 bar
- Working temperature: up to 260 °C (according to the gasket material)
- Connections: ANSI 300 flanged (UNI flanged available)
- Element micron rating: from 10 micron up to 10 mm
- Easy opening and basket removal



SINGLE FILTER	PIPE SIZE	Flow rate m³/h	DUPLEX FILTERS	PIPE SIZE	Flow rate m³/h
OV/.../1-A300	1"	5	OW/.../1-A300	1"	3,5
OV/.../1.¼-A300	1.¼"	10	OW/.../1.¼-A300	1.¼"	7
OV/.../1.½-A300	1.½"	10	OW/.../1.½-A300	1.½"	7
OV/.../2-A300	2"	20	OW/.../2-A300	2"	15
OV/.../2.½-A300	2.½"	24	OW/.../2.½-A300	2.½"	15
OV/.../3-A300	3"	36	OW/.../3-A300	3"	30
OV/.../4-A300	4"	60	OW/.../4-A300	4"	50
OV/.../6-A300	6"	120			

Note: for weight and dimensions please refers to standard OV and OW tables

DUPLEX FILTERS MODEL OW...



MODEL & APPLICATIONS

- OW/O : for oil and non-corrosive liquids
- OW/WB : for water
- OW/GM : for sea water
- OW/S : for oil and non-corrosive liquids
- OW/SS : for corrosive liquids

TECHNICAL FEATURES

- Flow rate up to 180 m³/h for liquids with the same viscosity as water (with 120 micron)
- Working pressure up to 22 Kg/cm²
- Working temperature up to 260 °C (according to gasket material)
- Element micron rating: from 10 micron up to 10 mm.
- Connections 3/4" up to 2,5" BSP screwed
- 1" up to 8" UNI or ANSI flanged
- Easy opening and basket removal

DIMENSIONS AND FLOW RATES

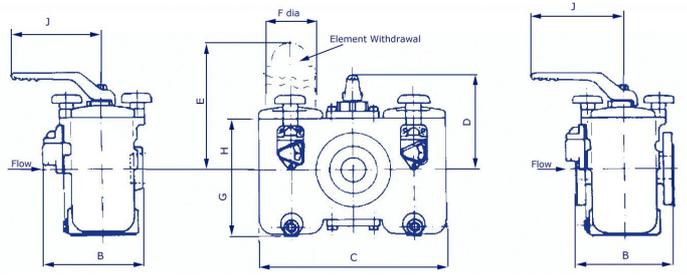
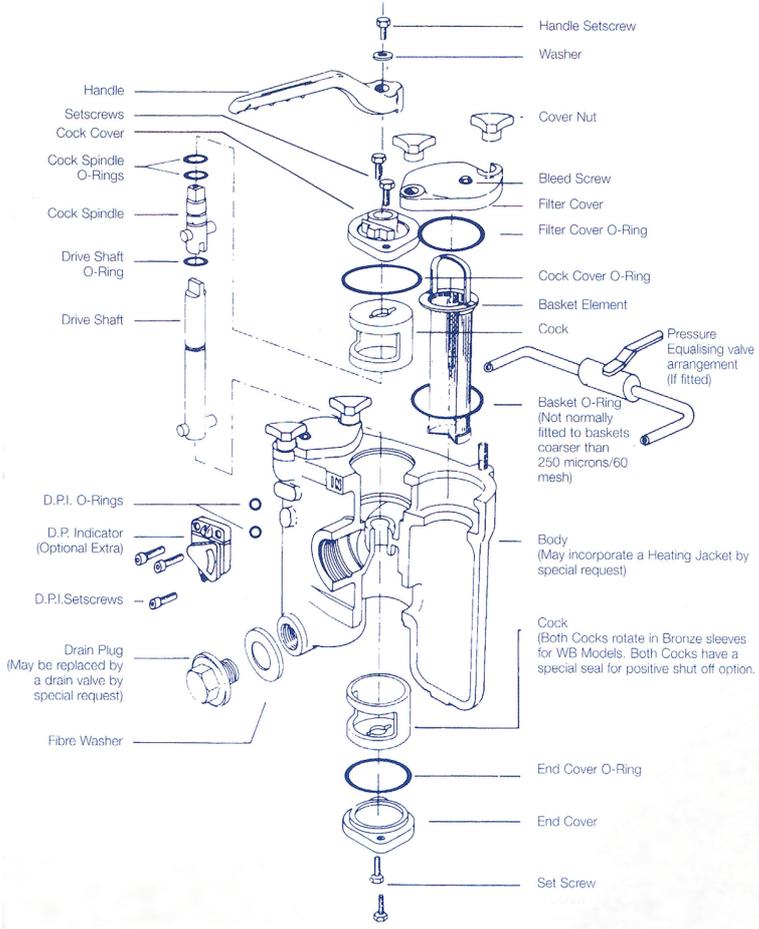
MODEL	PIPE SIZE	B Scr	C Flg	D	E	F	G	H	J	Element area cm ²	Weight kg (Cast iron) Scr Flg	Flow rate m ³ /h
OW/.../3/4	3/4"	120	-	282	149	220	73	105	64	205	184	13 - 3.5
OW/.../1	1"	120	152	282	149	220	73	105	64	205	184	13 16 - 3.5
OW/.../1.1/4	1.1/4"	137	-	295	175	306	73	145	90	205	268	19 - 7
OW/.../1.1/2	1.1/2"	137	175	295	175	306	73	145	90	205	268	19 23 - 7
OW/.../2	2"	184	210	425	216	351	112	156	112	219	484	49 52 - 15
OW/.../2.1/2	2.1/2"	184	230	425	216	351	112	156	112	219	484	49 53 - 15
OW/.../3	3"	-	267	490	256	451	132	210	140	250	718	- 85 - 30
OW/.../4	4"	-	318	540	294	575	132	265	175	250	964	- 125 - 50
OW/.../6"	6"	-	380	760	398	868	160	410	275	380	2065	- 250 - 105
OW/.../8	8"	-	570	1020	550	1210	248	520	390	500	3980	- 730 - 180

Nominal flow rates considers pressure loss in a clean filter of 0,15 bar with 120 microns filter element, and refers to liquids at the same viscosity as water. Also available as a Multi-basket filter

LIST OF MATERIALS

MODEL	OW/O	OW/WB	OW/S	OW/S/WB	OW/SS	OW/GM
Body and cover	CI	CI	CS	CS	SS	GM
Change over cocks	SG	BZ	SG	BZ	SS	BZ
Internal machine parts	MS	SS	MS	SS	SS	BZ
Basket	SS	SS	SS	SS	SS	SS
Drain plugs	BR	BR	MS	BR	SS	BR
Max pressure exercise bar at 50°C	17	17	22	22	22	17*

CI = Cast iron, BR = Brass, GM = Gunmetal, BZ = Bronze
 CS = Cast steel, SS = Stainless steel 316, SG = Sg iron, MS = Mild Steel
 * For filters type OW/GM 3/4" up to 1.1/2" the max pressure at 50°C is 13 bar

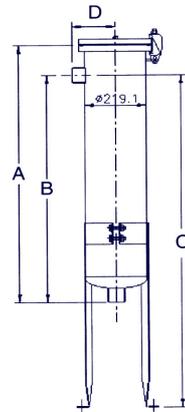
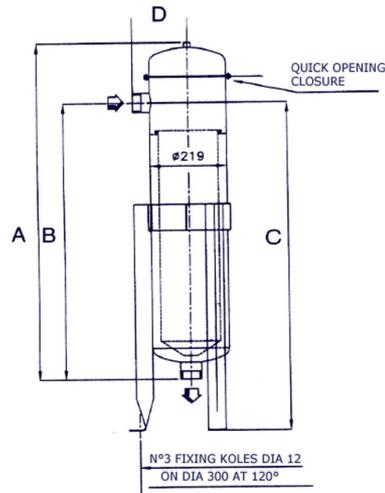


OPTIONAL ACCESSORIES

- ▲ **Differential pressure indicator** - Designed to monitor basket conditions and provide visual warning that cleaning is required
- ▲ **Heating jackets** - For constant temperature processes to aid flow of viscous liquids
- ▲ **100% Shut Off On Dual Filter Change Over** - This can be achieved by use of a special seal within the change over cock mechanism and eliminates leakage between chambers during cleaning
- ▲ **Automatic air eliminators** - To vent air from filter e.g. after element cleaning
- ▲ **Magnetic inserts** - Suspended from the cover to capture metallic particles. Magnets can be nylon coated if required
- ▲ **O-Rings & Closures** - For chemical or high temperature seals
- ▲ **Custom - designed Element & Baskets** - Made according to debris type

BASKET FILTER TYPE FH/SC

- FH series: filter with quick release V-clamp closure. Suitable for applications in art. 3. par. 3 of 97/23EC Directive
 - Sc series: filters with flanged closure. Also suitable for PED applications.
- Ideal to filter paints varnishes, pigments, inks, oil based products, adhesive, cutting oils, polymeric and plasticizer solutions, alimentary products.



Mod. SC...11 – SC...12

MODEL ⁴	Max working pressure	Nominal ³ Flow rate	CONNECTIONS ¹		A	B	C	D	Element area
			IN/OUT	VENT					
FH ...C11	8 bar @ 60°C	20	2"	1/4"	705	515	865 variable	155	1800 cmq
FH ...C12		30	gas m	gas f	1045	855	1055 variable	155	3390 cmq
SC...11	10 bar @ 100°C	20	2"	1/4"	635	520	1035 variable	155	1800 cmq
SC...12		30	gas m	gas f	975	860	1260 variable	155	3390 cmq

- ¹ Available with different connections to those shown, both in screwed and flanged styles
² For different pressure and temperatures contact our technical office
³ Nominal flow rate considers pressure loss in a clean filter of 0,15 bar and refers to liquids at the same viscosity as water
⁴ The filters in both series are available in AISI 304 as well as AISI 316/L.
 SC type filters are also available in multibasket type suitable for higher flow rates. For more information see leaflet-C-06 "V-clamp closure bag filter housing FH series" and leaflet C-07 "Bag filter housings series SC".
⁵ Retention: coarse filtration from 10 mm to 500 microns; fine filtration down to 10 microns
⁶ Standard baskets are constructed from stainless steel perforated plate and appropriate grade of stainless steel mesh. Pleated elements available on request.

FABRICATED FILTER BASKET TYPE PB

PB type basket filters are designed according the process features particularly suitable in heavy duty conditions. They are manufactured according to 97/23/EC PED Directive. If required they can be designed according to ASME VIII Div.1. Available with in-line connections, staggered, at 90°, etc. Normally produced in AISI 304/L, AISI 316/L and carbon steel. If required, special versions with anticorrosion coated against aggressive fluids can be supplied. Design pressure and temperature defined time to time according customer specified conditions. They can be supplied with single or multibasket elements, plane or pleated.

MODEL	Nominal flow rate		Connections
	Liquids		
	m ³ / h		
PB15/02	20		2"
PB20/04	40		4"
PB30/06	150		6"
PB40/08	300		8"
PB50/10	400		10"
PB60/12	600		12"
PB65/14	800		14"
PB75/16	1000		16"
PB90/20	1500		20"
PB110/24	2000		24"

Nominal flow rates consider pressure loss in a clean filter of 0,15 bar and refers to liquids at the same viscosity as water. Available with different connections, both in screwed and flanged styles.

