

# FS SYPHON SUCTION FILTRES



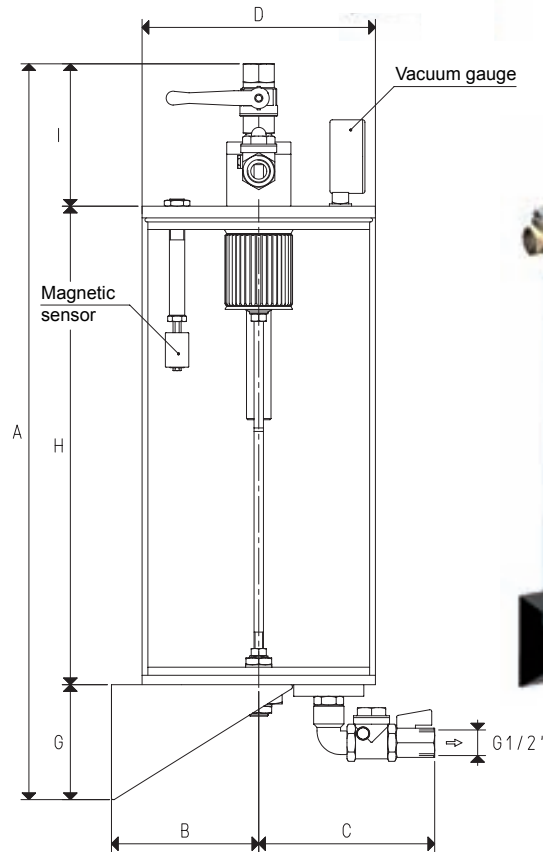
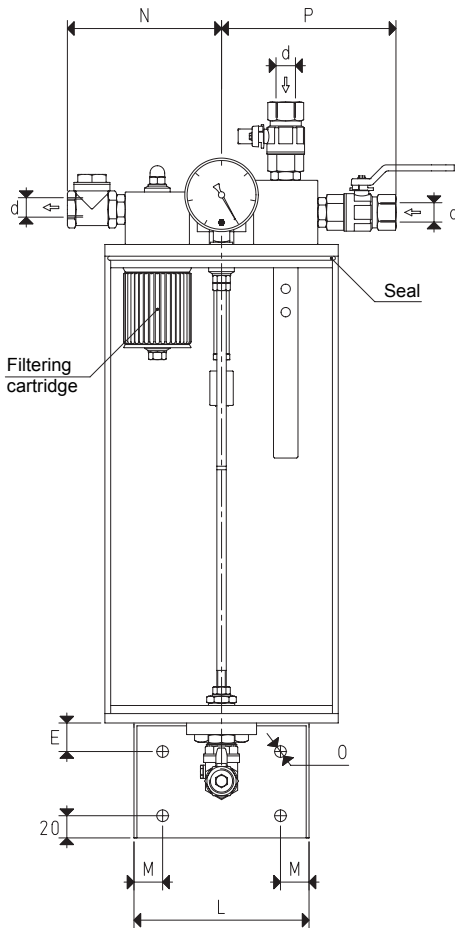
- These filters retain impurities and liquids extracted through vacuum cups or vacuum clamping systems, preventing them from entering into the vacuum pumps. They are composed of:
- A transparent plexiglas cylindrical container with an extractable lid to allow inspection and cleaning.
  - A check valve located on the suction inlet for preventing the air from returning in the filtre when the pump is idle.
  - A stainless steel mesh filtering cartridge with a filtering degree equal to  $44 \mu$ , also located on the suction inlet to retain dust and solid impurities.
  - A 2-way manual valve for service vacuum interception.
  - A radial vacuum gauge the direct reading of the vacuum level.
  - A magnetic level switch that stops the pump when the sucked liquid exceeds the safety level.
  - A rigid pipe connected to the service to convey the air flow and the sucked liquid to the bottom of the container.
  - A check valve at the bottom of the filtre to automatically drain the sucked liquid and impurities every time the atmospheric pressure is restored inside the filtre.
  - A cock applied on the aforementioned check valve for manual liquid drainage.
  - A sturdy metal bracket for fixing the filtre to the wall.

### Technical features

Working pressure: from 0.5 to 2000 mbar abs.

Fluid temperature: from  $-5$  to  $+50$  °C

Filtering degree:  $44 \mu$



Art.	d	A	B	C	D	E	G	H	I	L	M	N	O	P	Max capacity	Capacity	Spare cartridge art.	Spare vacuum gauge art.	Spare seal art.	Weight
	$\emptyset$				$\emptyset$								$\emptyset$		cum/h	l				Kg
<b>FS 5</b>	G3/8"	461	130	175	200	25	100	250	111	150	25	140	10	136	10	6.0	00 FB 13	09 05 10	00 FS 52	5.5
<b>FS 10</b>	G3/8"	551	130	175	200	25	100	340	111	150	25	140	10	136	10	8.5	00 FB 13	09 05 10	00 FS 52	6.0
<b>FS 20</b>	G1/2"	630	130	175	200	25	100	410	120	150	25	140	10	145	20	10.5	00 FB 22	09 05 10	00 FS 52	6.8
<b>FS 25</b>	G3/4"	750	150	195	240	25	100	510	140	170	30	170	11	180	40	19.5	00 FB 22	09 05 10	00 FS 36	9.1
<b>FS 30</b>	G1"	890	190	225	300	30	120	610	160	200	40	205	11	220	70	38.0	00 FB 34	09 05 10	00 FS 41	19.2
<b>FS 50</b>	G2"	960	190	225	300	30	120	610	240	200	40	250	11	276	150	38.0	00 FB 45	09 05 10	00 FS 41	22.7