



FO OIL-BATH SUCTION FILTERS

In presence of a considerable amount of fine or impalpable dust, the traditional suction filter would require a cartridge with a filtering degree so high that, along with reducing its operation autonomy, it would also reduce the vacuum pump suction flow rate.

Oil-bath suction filters have been studied in order to overcome this problem.

The main feature of these filters is the ability to retain the smallest and most impalpable dust particles, without reducing the vacuum pump suction flow rate.

Oil-bath filters are composed of a sheet steel head and container coupled with an interposed seal and clamped by release clamps.

Inside, besides the oil bowl, there are two steel wool filtering cartridges, one of which is detachable and washable, while the other is fixed. The release clamps guarantee easy access for cleaning operations.

They can be used with any kind of oil, even drain oil, as long as it has a minimum viscosity degree. The ideal oil is the same one used for the pump.

Oil-bath suction filters are not recommended for dry vacuum pumps.

They are currently available for capacities up to 300 m³/h.

Technical features

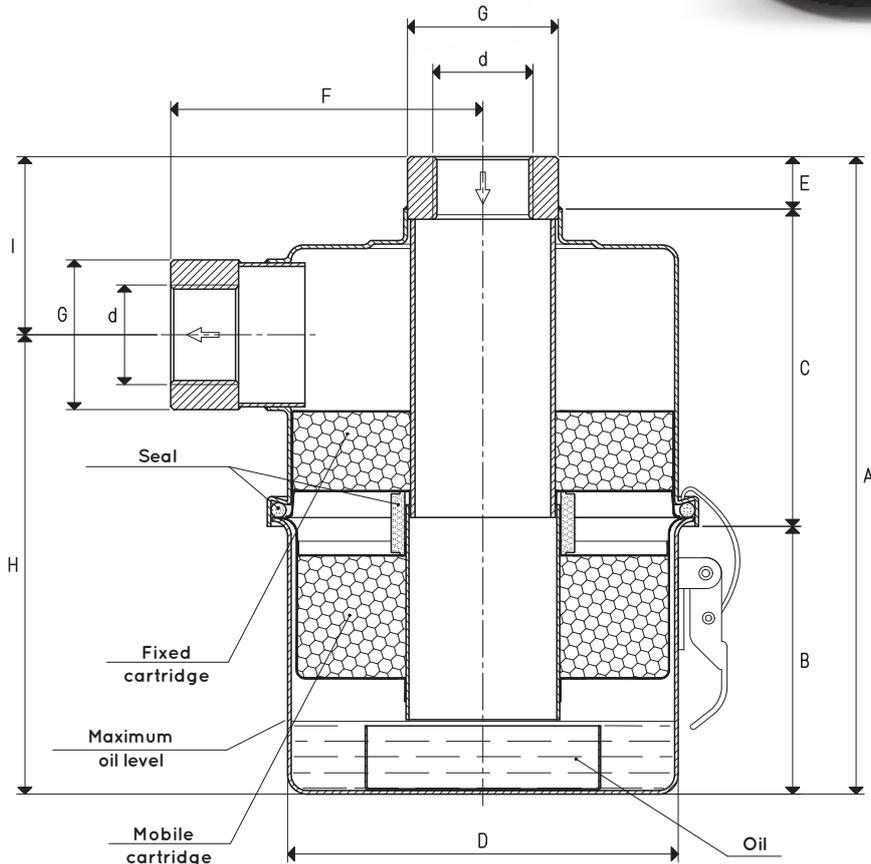
Operating pressure: from 0.5 to 2000 absolute mbar

Fluid temperature: from -20 to +90 °C

Level of filtration: ≤1 μ



3D drawings are available on vuototecnica.net



Item	d	A	B	C	D	E	F	G	H	I	Flow rate max m ³ /h	Cartridge spare part item	Sealing kit spare part item	Quantity of oil L	Weight Kg
FO 20	G1/2"	205	85	112	106	8	100	40	156	49	30	00 FO 04	00 KIT FO 20	0.2	1.44
FO 30	G1"	210	88	106	129	16	106	50	151	59	90	00 FO 09	00 KIT FO 30	0.3	1.84
FO 50	G1" 1/2	305	110	135	160	60	128	60	199	106	200	00 FO 14	00 KIT FO 50	0.5	2.76
FO 60	G2"	340	140	140	185	60	142	67	217	123	300	00 FO 19	00 KIT FO 60	0.6	3.70

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity)

inch = $\frac{\text{mm}}{25.4}$; pounds = $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$

Adapters for GAS - NPT threading available on page 1.134