

AIR OIL SEPARATORS

All the FILSAN separators used in rotary vane or rotary screw type compressors which manufactured domestically or abroad, are produced by using specially and meticulously designed components of highest quality and standards. For this reason, most of the compressor manufactures and their exclusive distributors have a tendency to use the FILSAN products.



Filsan has started producing Separators with the new Technology. Filsan's newly designed separators has nowwelding to combine sepatators body and flange.

Separator Types	Residual Oil content mg/m ³ 1to3mg/m ³	Operating Temperature 120°C	Pressure Drop Bar	Available Nominal Flow Rates (at7bar) (0.7Mpa)
Standart Type	√	√	0,17	2 to 42m ³ /min(special and higher designed separators are available)
D-Type	√	√	0,2	3,5 to 58m ³ /min(special and higher designed separators are available)
Spin-On Type	√	√	0,25	0,9 to 6,5 m ³ /min(special and higher designed separators are available)

SEPARATORS TYPES

With technical capacity and experience Filsan can manufacture and design higher capacity Separators upon O.E.M's and customer requests.

FILSAN REF.	Type Nr.	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	d5 (Ø) (mm)	d6 (mm)	h1 (mm)	h2 (mm)	Hole Nr.
FS515	1	170	122	-	200	-	-	230	12	-
FS516	1	170	122	-	200	-	-	435	12	-
FS530	1	135	88	-	170	-	-	200	12	-
FS533	1	170	122	-	200	-	-	305	12	-
FS501	2	170	122	-	220	13	190	230	12	6
FS502	2	220	165	-	300	15	266	230	12	12
FS508	2	170	122	-	300	15	266	305	12	12
FS509	2	170	122	-	300	15	266	485	12	12
FS673	2	170	122	-	255	18	217	150	12	8
FS518	3	114	66	66	-	-	-	340	-	-
FS521	3	114	66	66	-	-	-	165	-	-
FS636	3	114	66	66	-	-	-	450	-	-
FS670	3	56	25	25	-	-	-	132	-	-
FS807	4	170	108	-	200	-	-	305	-	-
FS808	4	300	220	-	355	-	-	305	-	-
FS809	4	300	220	-	355	-	-	500	-	-
FS581	4	300	220	-	350	-	-	400	-	-
FS551	4	395	330	-	440	-	-	620	-	-
FS506	5	220	155	-	300	15	270	350	-	12
FS510	5	135	76	-	220	15	192	175	-	6
FS511	5	170	108	-	300	15	272	230	-	8
FS656	5	170	108	-	300	15	270	-	-	8



For cross references and more products please check our web site.

STANDART TYPE SEPARATORS

Air oil separators remove compressor lubricant from the compressed air stream. During normal operation, the compressor lubricant is returned to the oil sump and the compressed air continues to the air receiver. A typical oil separator reduces the lubricant entrained in the compressed air to 0,3ppm. Under normal operating conditions an oil separator service life is 4,000 to 6,000 operating hours (when the flow resistance reaches 1 bar (0.1MPa)).



FILSAN REF.	Flow Rate (m ³ /min)	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	d5 (Ø) (mm)	d6 (mm)	h1 (mm)	h2 (mm)
FS593	9	220	165	-	274	-	-	435	12
FS540	12	275	220	-	328	-	-	450	12
FS541	14	300	245	-	355	-	-	500	12
FS590	17	300	245	-	355	-	-	600	12
FS542	19	300	245	-	355	-	-	660	12
FS755	20	275	220	-	324	-	-	750	12
FS543	24	300	245	-	355	-	-	820	12
FS963/S	29	300	230	-	355	-	-	1000	12

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D-TYPE SEPARATORS

These newly designed separators, as shown in Figure, are so designed that they fit the smaller separator housings without reducing the capacity or operating performance of the compressor. When compared to a conventional separator of the same dimensions, these separators have double or even triple capacity. The mentioned increase in capacity is simply achieved by using higher number of wraps in the separators.

FILSAN REF.	Flow Rate (m ³ /min)	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	d5 (Ø) (mm)	d6 (mm)	h1 (mm)	h2 (mm)
FS769/D	4,5	135	75	-	170	-	-	200	-
FS840/D	20	275	209	-	328	-	-	400	-
FS915/D	33,5	300	220	-	355	-	-	600	-
FS877/D	39	300	220	-	355	-	-	700	-
SPECIAL	53	300	230	-	355	-	-	860	-
FS963/D	58	300	230	-	355	-	-	1000	-

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