



Complete inline filtration for
compressed air:

SDLH-SS Series



The SDLH-SS Series is a complete inline filtration solution for compressed air systems, covering stages from coarse prefiltration to ultra-fine coalescing and adsorption. Designed for reliable service and consistent performance up to 16 bar / 232 psi, the range provides full coverage for workshop and industrial applications.

Key Features

12 housing sizes covering a wide flow range
Robust aluminium-alloy housing; optional sight glass and wall-mount kits
BSP or NPT female connections (3/8"–3")
Operating temperature: 1.5–65 °C (activated carbon up to 45 °C)
Low initial Δp — starting from 10 mbar with new elements
Parallel assembly kits available for higher-capacity layouts

Performance Overview

Model range	Connection	Flow rate (Nm ³ /h @ 7 bar(g), 20 °C)	Max. operating pressure
SDLH-SS 0056 – 2406	3/8" to 3"	60 – 2760	16 bar / 232 psi

Filtration Grades

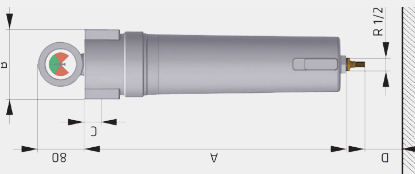
Grade	Type	Filtration rating	Residual oil content	Typical use
B	Sintered bronze	15 µm	—	Coarse prefilter for protection of downstream stages.
P	Prefilter	3 µm	—	Fine solid filtration and removal of larger oil droplets.
R	Prefilter	1 µm	—	High -efficiency removal of solids and aerosols before microfiltration.
M	Microfilter	0.1 µm	< 0.1 mg/m ³	General -purpose coalescing filter for clean, dry air.
S	Microfilter	0.01 µm	< 0.01 mg/m ³	Super -fine coalescing filter for critical oil-free applications.
A	Activated carbon	—	< 0.005 mg/m ³	Final stage for odor and hydrocarbon vapor removal.

Filter media

B: sintered brass (cleanable). **P, R:** acrylic fibres + cellulose. **M, S:** borosilicate microfibrres. **A:** activated carbon with borosilicate support.

Cartridges should be replaced at 350 mbar pressure drop, or every 6 months for carbon elements.
(The S element must always be installed upstream of the A filter.)

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Filter housing size	Thread size	Max. oper. pressure [bar/psi]	Flow rate at 7 bar[gl, 20 °C	Dimensions [mm]				Mass		B sintered 15 µm	P prefilter 3 µm	R prefilter 1 µm	M microfilter 0,1 µm	S microfilter 0,01 µm	A active carbon			
				A	B	C	D		kg									
SDLH-SS 0056	BSP 3/8"	16/232	Nm3/h 60	scfm 35	187	88	20	60	0,7	SDL 35600	SDL 35601	SDL 35602	SDL 35603	SDL 35604	SDL 35605			
SDLH-SS 0076	1/2"	16/232	78	46	187	88	20	60	0,7	SDL 35610	SDL 35611	SDL 35612	SDL 35613	SDL 35614	SDL 35615			
SDLH-SS 0106	3/4"	16/232	120	70	257	88	20	80	0,8	SDL 35620	SDL 35621	SDL 35622	SDL 35623	SDL 35624	SDL 35625			
SDLH-SS 0186	1"	16/232	198	116	263	125	32	100	1,8	SDL 35630	SDL 35631	SDL 35632	SDL 35633	SDL 35634	SDL 35635			
SDLH-SS 0306	1"	16/232	335	197	363	125	32	120	2,5	SDL 35640	SDL 35641	SDL 35642	SDL 35643	SDL 35644	SDL 35645			
SDLH-SS 0476	1 1/2"	16/232	510	300	461	125	32	140	2,5	SDL 35650	SDL 35651	SDL 35652	SDL 35653	SDL 35654	SDL 35655			
SDLH-SS 0706	1 1/2"	16/232	780	459	640	125	32	160	3,2	SDL 35660	SDL 35661	SDL 35662	SDL 35663	SDL 35664	SDL 35665			
SDLH-SS 0946	2"	16/232	1000	588	684	163	43	520	5,1	SDL 35670	SDL 35671	SDL 35672	SDL 35673	SDL 35674	SDL 35675			
SDLH-SS 1506	2"	16/232	1500	882	935	163	43	770	7,1	SDL 35680	SDL 35681	SDL 35682	SDL 35683	SDL 35684	SDL 35685			
SDLH-SS 1756	2 1/2"	16/232	1680	990	935	163	43	770	6,9	SDL 35680	SDL 35681	SDL 35682	SDL 35683	SDL 35684	SDL 35685			
SDLH-SS 2006	3	16/232	2160	1270	795	240	59	630	12,9	SDL 35690	SDL 35691	SDL 35692	SDL 35693	SDL 35694	SDL 35695			
SDLH-SS 2406	3	16/232	2760	1620	1000	240	59	780	14,0	SDL 35700	SDL 35701	SDL 35702	SDL 35703	SDL 35704	SDL 35705			
										quality class - solids (ISO 8573-1)		7	6	3	2	1	*	
										residual oil content [mg/m3]		-	-	-	-	<0,1	<0,01	<0,005
										quality class - oils (ISO 8573-1)		-	-	-	-	2	1	1
										pressure drop - new element [mbar / psi]		20 / 0,290	10 / 0,145	20 / 0,290	50 / 0,725	80 / 1,160	60 / 0,870	
										change filter cartridge at pressure drop [mbar / psi]		*	350 / 5,07	350 / 5,07	350 / 5,07	350 / 5,07	6 months *	
										filter material		sintered brass	acrylic fibres, cellulose	borosilicate micro fibres	borosilicate micro fibres	activ. carbon		
										-	✓	✓	✓	✓	✓	-		
										-	-	-	-	-	-	✓		
										✓	-	-	-	-	-	-		
										min. operating temperature [°C / °F]		1,5 / 35	1,5 / 35	1,5 / 35	1,5 / 35	1,5 / 35		
										max. operating temperature [°C / °F]		65 / 149	65 / 149	65 / 149	65 / 149	45 / 113		

CORRECTION FACTORS

Operating pressure [bar]	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Operating pressure [psi]	44	58	72	87	100	115	130	145	160	174	189	203	218	232
Correction factor	0,50	0,63	0,75	0,88	1	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,00	2,13

* B filter element can be cleared with ultrasonic bath or with back flushing. Intervals of cleaning depends of application. If necessary, replace filter element with new one.
Filter elements "A", must be changed at least every 6 months. Activated carbon filters must not operate in oil saturated conditions. Element "S" must installed upstream.