



INDUSTRIAL VACUUM SYSTEMS

Data sheet



IS-36 Filter
IS-46 Filter

wieland lufttechnik
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Technical data	IS-36 Filter	IS-46 Filter
Electric Power	3 kW	4 kW
Max. airflow	340 m ³ /h	460 m ³ /h
Max. suction power	330 mbar	340 mbar
Suction hose diameter	50 mm	60 mm
Suction hose length	5 m	5-10 m
Collection capacity	50 litres	50 litres
Filter surface	2 m ²	2 m ²
Dimensions (L x W x H)	1102 x 750 x 1387 mm	1102 x 750 x 1387 mm
Weight, approx.	138 kg	145 kg
Voltage, three-phase, 50 Hz	400 V	400 V
Fuse	16 A	16 A
Noise level w/o reflections, (DIN 45635)	65 dB(A)	69 dB(A)
Material density up to	2 kg/l	2.5 kg/l
Material size, max.	35 mm	40 mm
Dust classification	Versions available for dust class M an H	Versions available for dust class M an H
Suction material	Fine dust, dry or wet chips, coolant oil, liquids, toxic suction material, inflammable or explosive suction material	Fine dust, dry or wet chips, coolant oil, liquids, toxic suction material, inflammable or explosive suction material
Application	Vacuum cleaning in industrial environments of machine or plant surfaces and floors. Designed for continuous operation. Can be connected to pipe work systems up to 100 m suction distance. Can be used together with an intercept hopper	
Sectors of industry	Metal working industry (cleaning of machines, extraction of dry or wet metal chips and coolant, extraction of foundry sand) Food industry (Sugar plants, corn silos and mills, industrial production of food: sweets, pasta, cookies, etc. Cleaning of plant and machinery, safe handling of inflammable or explosive food dust) Bulk material industry and chemical industry (Cement plants, refineries, chemical plants, etc. Cleaning of plant and machinery, safe handling of toxic or explosive suction material)	

Comparison Wieland Lufttechnik / other suppliers

Wieland Lufttechnik	Others
Maintenance free motor and pump	Maintenance of belt drives, frequent repair of high speed blowers
Certified explosion protection system and certified suitability for health hazardous types of dust (certain units)	Vacuum units are not certified. Unsafe explosion protection systems
Designed for continuous operation	Single phase motors, not rated for continuous operation
Integrated centrifugal separator, relieves the main filter	Turbulences in the collection drum create excessive wear of the main filter
High efficiency pneumatic AirShock [®] filter cleaning device, can be activated during suction operation	Inefficient manual filter shaker. Poor filter performance

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INDUSTRIAL VACUUM SYSTEMS

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IS-56 Filter
IS-76 Filter

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Technical data	IS-56 Filter	IS-76 Filter
Electric Power	5.5 kW	7.5 kW
Max. airflow	520 m ³ /h	700 m ³ /h
Max. suction power	440 mbar	440 mbar
Suction hose diameter	100 mm	100 mm
Suction hose length	5 m	5 m
Collection capacity	80 litres	80 litres
Filter surface	2 m ²	2 m ²
Dimensions (L x W x H)	1260 x 720 x 1560 mm	1260 x 750 x 1560 mm
Weight, approx.	191 kg	206 kg
Voltage, three-phase, 50 Hz	400 V	400 V
Fuse	32 A	32 A
Noise level w/o reflections, (DIN 45635)	69 dB(A)	71 dB(A)
Material density up to	2 kg/l	2.5 kg/l
Material size, max.	45 mm	55 mm
Dust classification	Versions available for dust class M an H	Versions available for dust class M an H
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