

Technical details

Temperature range 0°C ... +60°C

Medium

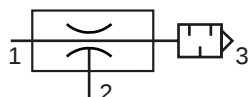
Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Alternatively the pressure dew point must be at least 10°C below lowest occurring ambient temperature.

Materials

Body: Al (anodized), fittings: brass, nickel plated, silencer: plastic



Vacuum ejectors work according to the Venturi principle. The pressure and vacuum connection have an integrated filter which protects against large dirt particles. The granulate silencer is part of delivery. The HF series is developed for high flow rates.



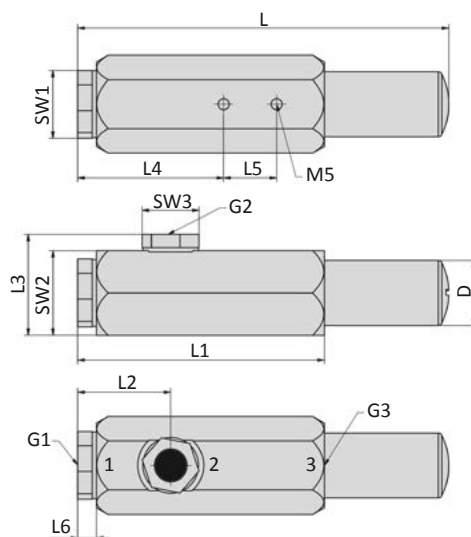
Technical data

Model-no.:	HF-133	HF-333	HF-533
Max. vacuum level (%)	60	65	80
Flow rate (l/min)**	80	190	215
Air consumption (l/min)*	110	300	480
Time to evacuate (s/l)**	0.22	0.12	0.09
Nozzle-Ø (mm)	1.7	2.5	3.0
Operating pressure (bar)	4 ... 6	4 ... 6	4 ... 6
Weight (kg)	0.242	0.368	0.385

* at 5 bar operating pressure

** at 40% vacuum level and 5 bar operating pressure

Dimensions



- 1 = pressure inlet
- 2 = vacuum inlet
- 3 = exhaust

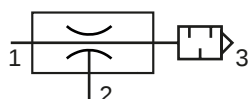
Model-no.:	L	L1	L2	L3	L4	L5	L6	SW1	SW2	SW3	G1	G2	G3	Ø D
HF-133	140	93	35	38	55	20	7	32	24	19	G1/4	G1/4	G1/2	24.5
HF-333	207	110	35	38.1	52	29	7	32	24	19	G1/4	G1/4	G3/4	48
HF-533	207	110	35	38.1	52	29	7	32	24	19	G1/4	G1/4	G3/4	48

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Materials	Body: Al (anodized), silencer: plastic



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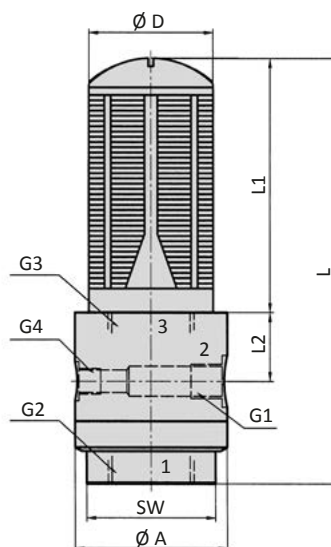
Technical data

Model-no.:	HF-100	HF-200	HF-300	HF-450	HF-600	HF-1150	HF-1500
Max. vacuum level (%)	75	74	80	78	78	80	68
Flow rate (l/min)**	40	95	135	130	200	407	436
Air consumption (l/min)*	108	220	320	480	650	1250	1600
Time to evacuate (s/l)**	0.180	0.100	0.060	0.016	0.011	0.021	0.021
Operating pressure (bar)	3 ... 7	3 ... 7	3 ... 7	3 ... 7	3 ... 7	3 ... 7	3 ... 7
Weight (kg)	0.240	0.400	0.400	0.400	0.400	0.900	0.900

* at 5 bar operating pressure

** at 40% vacuum level and 5 bar operating pressure

Dimensions



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- 2 = vacuum inlet
- 3 = exhaust

Model-no.:	Ø A	Ø D	G1	G2	G3	G4	L	L1	L2	SW
HF-100	48	24.5	G1/4	G1/2	G1/2	G1/8	109	47	25	40
HF-200	59	48	G1/4	G1	G1	G1/8	163	97	28	50
HF-300	59	48	G1/4	G1	G1	G1/8	163	97	28	50
HF-450	59	48	G1/4	G1	G1	G1/8	163	97	28	50
HF-600	59	48	G1/4	G1	G1	G1/8	163	97	28	50
HF-1150	88	64	G3/8	G1½	G2	G1/8	180	90	38	69
HF-1500	88	64	G3/8	G1½	G2	G1/8	180	90	38	69