

Automatic Valves

Flow resistances SW

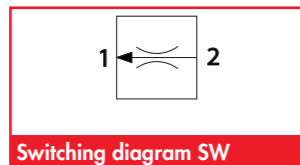
Description

Valve body in robust, galvanized steel design. The reduction of the cross sections is done by nozzle inserts which can be exchanged at any time; thus the valve can be adjusted to different flow conditions. The valves are available in 3 different assembly designs.

- on suspension bolt
- on suction plate retainer with central vacuum feed
- on suction pad with basic body and separate vacuum feed (necessary adapter ASV-M12 or M16)

Application

- on porous workpieces
- different grades of occupancy of the suction pads (workpieces with changing dimensions)
- any mounting position

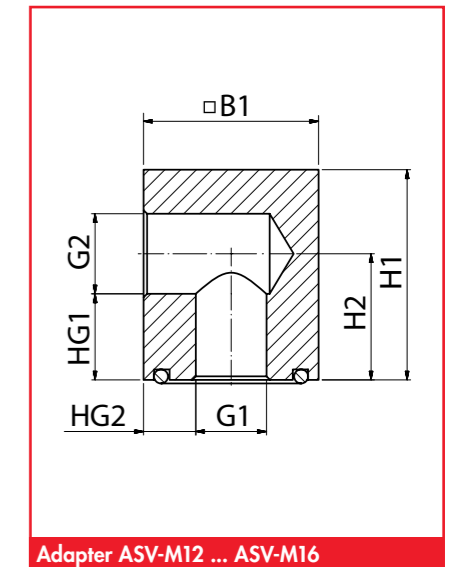
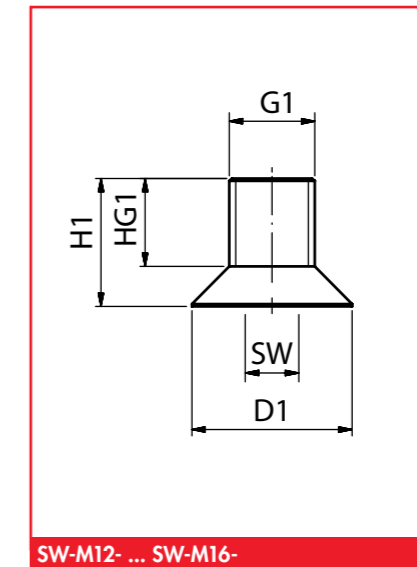
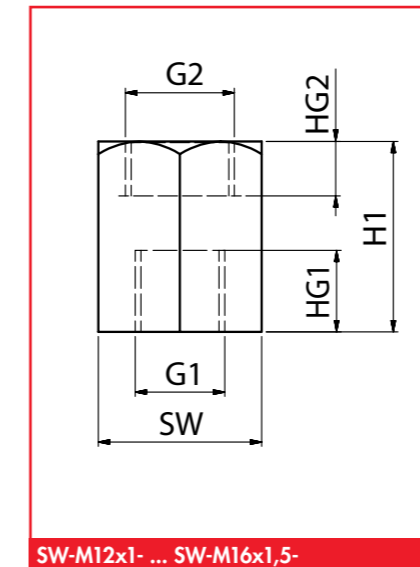


FEZER

Simply move more.

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Article number

Type	Flow resistance								Adapter ASV- ...
	0,25	0,50	0,75	1,00	1,25	1,50	1,75	2,00	
SW-M8x1-M5	1.51.6.0116	1.51.6.0117	1.51.6.0118	1.51.6.0119	1.51.6.0120	1.51.6.0121	1.51.6.0122	1.51.6.0123	---
SW-M8x1-1/8	1.51.6.0124	1.51.6.0125	1.51.6.0126	1.51.6.0127	1.51.6.0128	1.51.6.0129	1.51.6.0130	1.51.6.0131	---
SW-M12x1-1/8-	1.51.6.0063	1.51.6.0065	1.51.6.0056	1.51.6.0067	1.51.6.0069	1.51.6.0071	1.51.6.0073	1.51.6.0075	---
SW-M12x1-1/4-	1.51.6.0064	1.51.6.0066	1.51.6.0055	1.51.6.0068	1.51.6.0070	1.51.6.0072	1.51.6.0074	1.51.6.0076	---
SW-M12x1-3/8-	1.51.6.0132	1.51.6.0133	1.51.6.0057	1.51.6.0134	1.51.6.0135	1.51.6.0136	1.51.6.0137	1.51.6.0138	---
SW-M16x1,5-1/4-	1.51.6.0077	1.51.6.0078	1.51.6.0079	1.51.6.0080	1.51.6.0081	1.51.6.0082	1.51.6.0083	1.51.6.0084	---
SW-M16x1,5-3/8-	1.51.6.0107	1.51.6.0108	1.51.6.0109	1.51.6.0110	1.51.6.0111	1.51.6.0112	1.51.6.0113	1.51.6.0114	---
SW-M12-	1.51.6.0085	1.51.6.0086	1.51.6.0087	1.51.6.0088	1.51.6.0089	1.51.6.0090	1.51.6.0091	1.51.6.0092	1.31.3.0022
SW-M16-	1.51.6.0093	1.51.6.0094	1.51.6.0095	1.51.6.0096	1.51.6.0097	1.51.6.0098	1.51.6.0099	1.51.6.0100	1.31.3.0023

Technical data

Type	Pressure range (bar)	Suction power* at $p_B = -0,6 \text{ bar}$		Suction power* at $p_B = -0,3 \text{ bar}$		Flow rate on ventilation**		Temperature (°C)	Weight (kg)
		(m³/h)	(l/s)	(m³/h)	(l/s)	(m³/h)	(l/min)		
SW...-0,25	-1 ... 0	0,01	0,003	0,01	0,003	0,01	0,003	0 ... +60	0,04 ... 0,10
SW...-0,50	-1 ... 0	0,16	0,044	0,15	0,042	0,16	0,044	0 ... +60	0,04 ... 0,10
SW...-0,75	-1 ... 0	0,31	0,086	0,29	0,081	0,31	0,086	0 ... +60	0,04 ... 0,10
SW...-1,00	-1 ... 0	0,52	0,144	0,50	0,139	0,52	0,144	0 ... +60	0,04 ... 0,10
SW...-1,25	-1 ... 0	0,96	0,266	0,93	0,258	0,96	0,266	0 ... +60	0,04 ... 0,10
SW...-1,50	-1 ... 0	1,35	0,375	1,30	0,361	1,35	0,375	0 ... +60	0,04 ... 0,10
SW...-1,75	-1 ... 0	1,82	0,505	1,74	0,483	1,82	0,505	0 ... +60	0,04 ... 0,10
SW...-2,00	-1 ... 0	2,21	0,614	2,10	0,583	2,21	0,614	0 ... +60	0,04 ... 0,10

* required suction power to keep up the requested operational vacuum
on several suction pads the suction power must be multiplied with quantity of the suction pads
** against atmospheric pressure

Dimensions

Type	H1	H2	B1	D1	G1	G2	HG1	HG2	SW
SW-M8x1-M5	28	---	---	---	M8x1	M5	12	10	13
SW-M8x1-1/8	28	---	---	---	M8x1	G1/8	12	10	13
SW-M12x1-1/8-	28	---	---	---	M12x1	G1/8	12	10	15
SW-M12x1-1/4-	28	---	---	---	M12x1	G1/4	12	10	24
SW-M12x1-3/8-	28	---	---	---	M12x1	G3/8	12	10	24
SW-M16x1,5-1/4-	28	---	---	---	M16x1,5	G1/4	12	10	24
SW-M16x1,5-3/8-	28	---	---	---	M16x1,5	G3/8	12	10	24
SW-M12-	22	---	---	27	M12	---	12,5	---	8
SW-M16-	23	---	---	33	M16	---	14,2	---	10
ASV-M12	30	18	25	---	M12	1/4	11	5	--
ASV-M16	30	18	25	---	M16	3/8	11	5	--