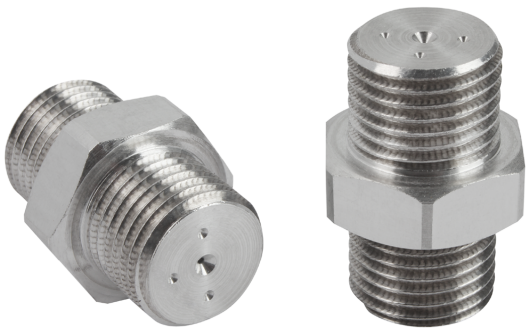
Flow Restrictors SW

Nominal diameter from 0.25 mm to 2 mm

METAL PACKAGING WOOD



Flow Restrictors SW

Suitability for Industry Specific Applications

Applications

- Flow restrictor for handling of porous workpieces
- Reduction of the flow rate through individual suction cups in order to maintain the vacuum in the overall system
- May be installed in any orientation

Design

- Double ended threaded nipple with reduced flow cross section
- Large gradation of different flow cross sections

Product Highlights

- Resistor with reduced cross-section narrows the vacuum line; optimal for porous parts
- Durable design without moving parts
- Minimum size allows use in the tightest of spaces

Designation Code Flow Restrictors SW

SW	–	25	–	G1/8-AG
1		2		3

1 – Abbreviated designation

Code	Version
SW	SW

2 – Nozzle size

Code	Nozzle size in mm
25...200	0.25 to 2

3 – Connection

Code	Connection
G1/8-AG	G1/8-AG (AG = male (M))
G1/4-AG	G1/4-AG

Flow resistor SW is delivered as a ready-to-connect product.

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Ordering Data Flow Restrictors SW

Type		G1/8"-M	G1/4"-M
SW	25	10.05.04.00034	-
SW	40	10.05.04.00001	10.05.04.00010
SW	50	10.05.04.00002	10.05.04.00011
SW	60	10.05.04.00003	10.05.04.00012
SW	70	10.05.04.00004	10.05.04.00013
SW	80	10.05.04.00005	10.05.04.00014
SW	90	10.05.04.00006	10.05.04.00015
SW	100	10.05.04.00007	10.05.04.00016
SW	110	10.05.04.00008	10.05.04.00017
SW	120	10.05.04.00009	10.05.04.00018
SW	150	-	10.05.04.00029
SW	200	-	10.05.04.00019

Technical Data Flow Restrictors SW

Type		Evacuation rate for pu = -0.3 bar [m³/h]	Evacuation rate for pu = -0.3 bar [l/min]	Evacuation rate for pu = -0.6 bar [m³/h]	Evacuation rate for pu = -0.6 bar [l/min]
SW	25	0.01	0.2	0.02	0.3
SW	40	0.06	1.0	0.08	1.3
SW	50	0.13	2.2	0.15	2.5
SW	60	0.18	3.0	0.19	3.1
SW	70	0.24	4.0	0.26	4.3
SW	80	0.30	4.9	0.32	5.3
SW	90	0.39	6.5	0.42	7.0
SW	100	0.47	7.8	0.50	8.4
SW	110	0.62	10.3	0.63	10.5
SW	120	0.74	12.3	0.76	12.7
SW	150	1.32	22.0	1.40	23.4
SW	200	2.05	34.1	2.19	36.4

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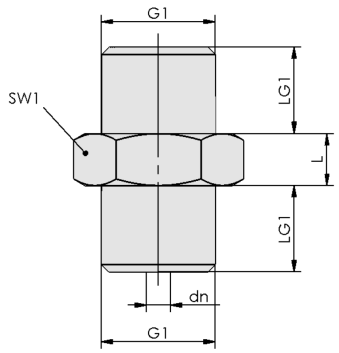
Design Data Flow Restrictors SW



SW

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Flow Restrictors SW

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Design Data Flow Restrictors SW

Type	dn [mm]	G1	L [mm]	LG1 [mm]	SW1 [mm]
SW 25 G1/8-AG	0.25	G1/8"-M	6	9.5	14
SW 40 G1/8-AG	0.40	G1/8"-M	6	9.5	14
SW 50 G1/8-AG	0.50	G1/8"-M	6	9.5	14
SW 60 G1/8-AG	0.60	G1/8"-M	6	9.5	14
SW 70 G1/8-AG	0.70	G1/8"-M	6	9.5	14
SW 80 G1/8-AG	0.80	G1/8"-M	6	9.5	14
SW 90 G1/8-AG	0.90	G1/8"-M	6	9.5	14
SW 100 G1/8-AG	1.00	G1/8"-M	6	9.5	14
SW 110 G1/8-AG	1.11	G1/8"-M	6	9.5	14
SW 120 G1/8-AG	1.20	G1/8"-M	6	9.5	14
SW 40 G1/4-AG	0.40	G1/4"-M	6	10.0	17
SW 50 G1/4-AG	0.50	G1/4"-M	6	10.0	17
SW 60 G1/4-AG	0.60	G1/4"-M	6	10.0	17
SW 70 G1/4-AG	0.70	G1/4"-M	6	10.0	17
SW 80 G1/4-AG	0.80	G1/4"-M	6	10.0	17
SW 90 G1/4-AG	0.90	G1/4"-M	6	10.0	17
SW 100 G1/4-AG	1.00	G1/4"-M	6	10.0	17
SW 110 G1/4-AG	1.11	G1/4"-M	6	10.0	17
SW 120 G1/4-AG	1.20	G1/4"-M	6	10.0	17
SW 150 G1/4-AG	1.50	G1/4"-M	5	9.0	17
SW 200 G1/4-AG	2.00	G1/4"-M	5	9.0	17

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