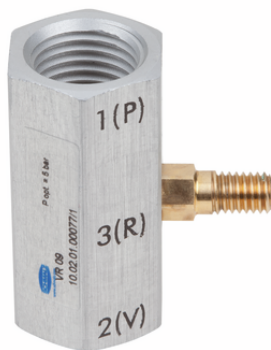


Inline ejector
VR 09

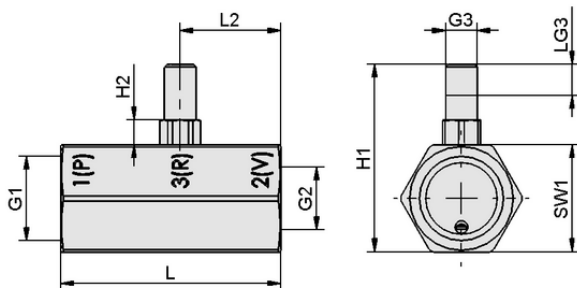


Art.-Nr.: 10.02.01.00077



VR 09

Inline ejector VR is delivered as a ready-to-connect product.



Design data VR 09

Technical data

Attribute	Value
Nozzle diameter	0.9 mm
Degree of evacuation	89.0 %
Air consumption suction	36.0 l/min
Suction rate (max.)	21.0 l/min
Optimal operating pressure	5.00 bar

Design data

Attribute	Value
Length L2	16.00 mm
Length L	35.00 mm
Height H1	29.80 mm
Height H2	4.00 mm
Thread G1	G1/4"-F
Thread G2	G1/8"-F
Thread length LG3	5.0 mm
Key width SW1	17.0 mm
Thread G3	M5-M



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Art.-Nr.: 10.02.01.00077

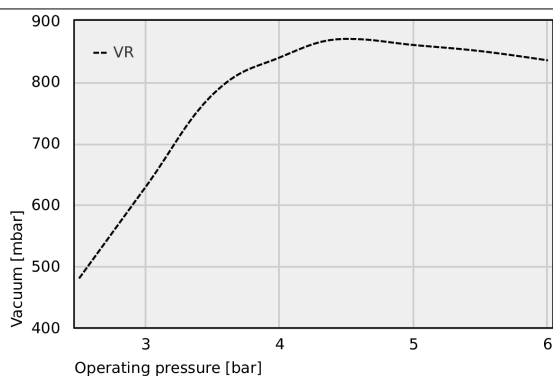


Technical data

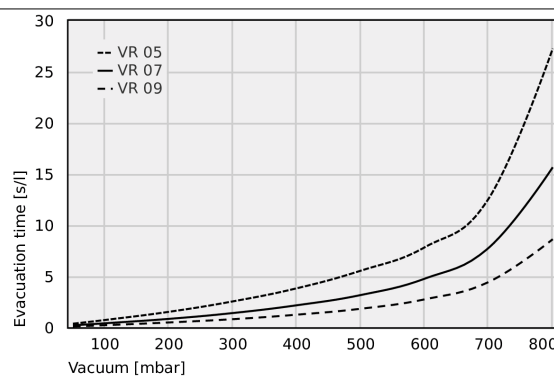
Attribute	Value
Nozzle diameter	0.9 mm
Degree of evacuation	89.0 %
Weight	15.0 g
Air consumption suction	1.271 cfm
Suction rate (max.)	0.741 cfm
Optimal operating pressure	5.00 bar
Operating temperature	0 ... 60 °C
Optimal pressure	72.5 psi
Product family	VR



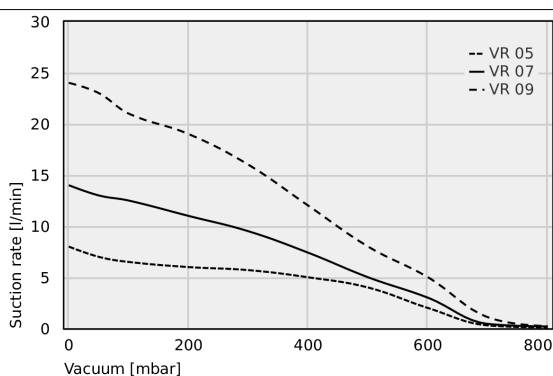
Performance data



Achievable vacuum at various operating pressures



Evacuation time for various vacuum ranges [s/l]



Suction rate at various degrees of evacuation [l/min]



Art.-Nr.: 10.02.01.00077



Achievable vacuum at various operating pressures

	2.5	3	3.5	4	4.5	5	5.5	6
VR	480.00	630.00	780.00	840.00	870.00	860.00	850.00	835.00



Evacuation time for various vacuum ranges [s/l]

	50	100	200	300	400	500	600	700	800
VR 05	0.37	0.73	1.53	2.55	3.83	5.55	7.84	12.61	27.25
VR 07	0.21	0.41	0.84	1.41	2.17	3.17	4.77	7.79	15.65
VR 09	0.10	0.22	0.49	0.81	1.25	1.83	2.75	4.45	8.62



Suction rate at various degrees of evacuation [l/min]

	0	50	100	200	300	400	500	600	700	800
VR 05	8.00	7.00	6.50	6.00	5.70	5.00	4.00	2.00	0.30	0.10
VR 07	14.00	13.00	12.50	11.00	9.50	7.40	5.00	3.00	0.45	0.20
VR 09	24.00	23.00	21.00	19.00	16.00	12.00	8.00	5.00	1.10	0.24



Further documentation

CAD data and other documents relating to the article can be found at: www.schmalz.com/10.02.01.00077