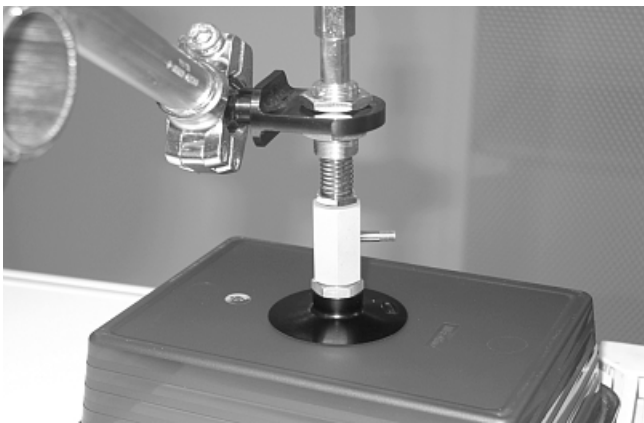


# Inline ejectors

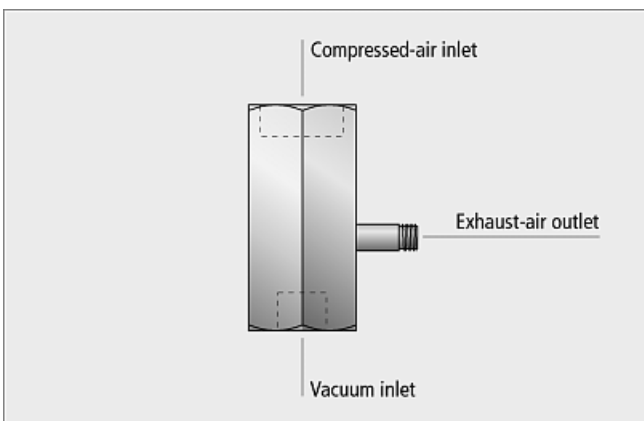
## Inline ejectors VR



Inline ejector VR



Inline ejector VR with suction pad



System design inline ejector VR



### Our highlights...

- Inline ejector for installation between suction pad and compressed-air supply
- Minimum size and low weight due to aluminum body

### Your advantages...

- > No costly hose installation necessary; vacuum is generated directly at the point of use
- > Extremely space-saving installation; ideal for restricted spaces and highly dynamic movements

### Applications

- Handling of all types of workpieces with manipulators, industrial robots and feeder systems; can, for example, be screwed into a distribution beam

### Construction

- Body made of anodized aluminum
- Nozzle system made of brass

### Suitability for branch-specific applications

# Inline ejectors

## Inline ejectors VR



### Designation code Inline ejectors VR

Short designation	Nozzle size in mm*10
Example: VR	07
VR	05...0.5 mm 07...0.7 mm 09...0.9 mm



### Ordering data Inline ejectors VR

Type	Article No.
VR 05	10.02.01.00075
VR 07	10.02.01.00001
VR 09	10.02.01.00077



### Technical data Inline ejectors VR

Type	Nozzle-Ø [mm]	Degree of evacuation [%]	Max. suction rate [l/min]	Max. suction rate [m³/h]	Air consumpt. during evac. [l/min]*	Air consumpt. during evac. [m³/h]*	Operating pressure [bar]	Weight [g]	Operating temperature [°C]
VR 05	0,5	87	7	0,4	12	0,7	5	15	0...60
VR 07	0,7	90	14	0,8	21	1,3	5	15	0...60
VR 09	0,9	89	21	1,3	36	2,2	5	15	0...60

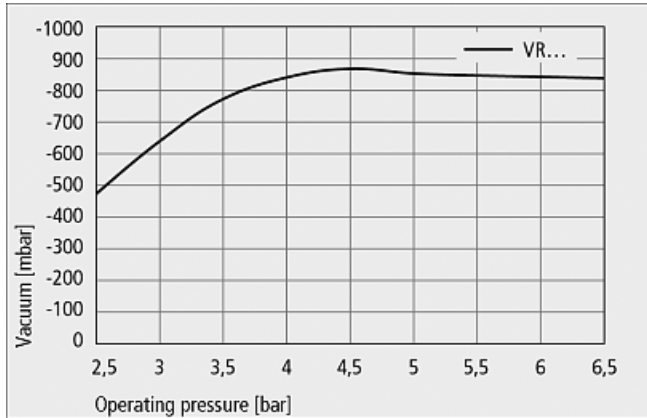
\*At optimal operating pressure

# Inline ejectors

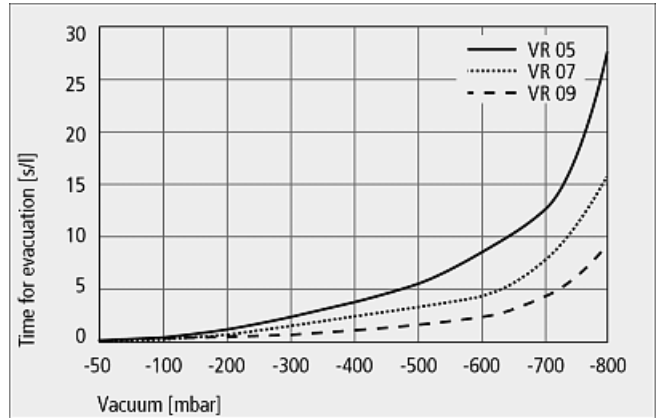
## Inline ejectors VR



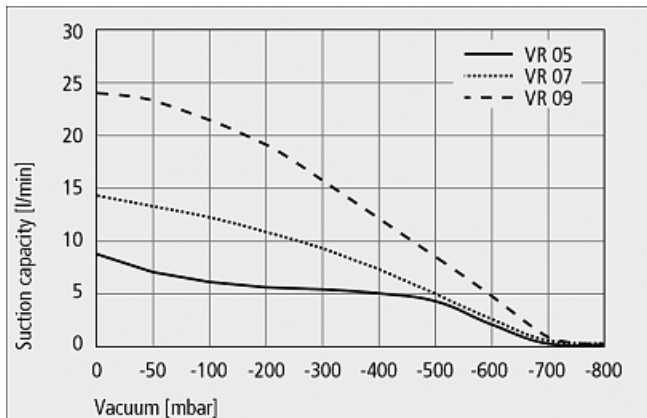
### Performance data Inline ejectors VR



Achievable vacuum at various operating pressures



Evacuation times for various vacuum ranges



Suction capacity at various degrees of evacuation

### Suction capacity in l/min at various degrees of evacuation

Type	Degree of evacuation in mbar									
	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

### Evacuation time in s/l for various vacuum ranges

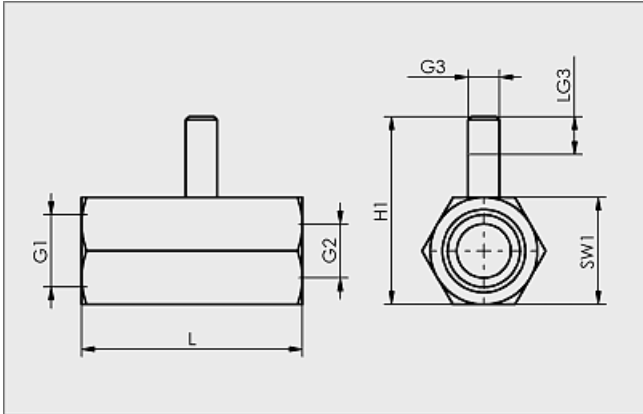
Type	Degree of evacuation in mbar									
	-50	-100	-200	-300	-400	-500	-600	-700	-800	
VR 05	0,37	0,73	1,53	2,55	3,83	5,55	7,84	12,61	27,25	
VR 07	0,21	0,41	0,84	1,41	2,17	3,17	4,77	7,79	15,65	
VR 09	0,10	0,22	0,49	0,81	1,25	1,83	2,75	4,45	8,62	

# Inline ejectors

## Inline ejectors VR



### Design data Inline ejectors VR



VR 05 to 09

Type	Dimensions in mm						
	G1 (P)	G2 (V)	G3 (R)	H1	L	LG3	SW1
VR 05	G1/4-F	G1/8-F	M5-M	29,8	35	5	17
VR 07	G1/4-F	G1/8-F	M5-M	29,8	35	5	17
VR 09	G1/4-F	G1/8-F	M5-M	29,8	35	5	17