

## Ejectors

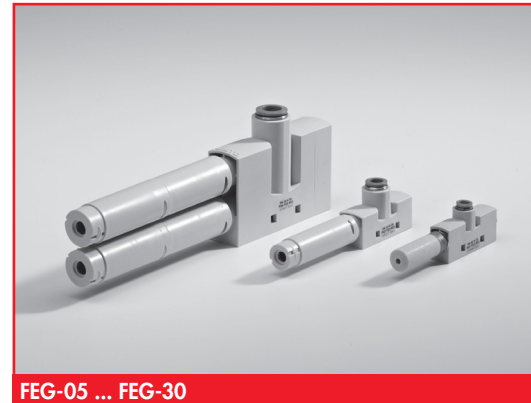
### Basic ejector FEG

#### Description

Low weight and small basic ejector with solid plastic housing in T-design with open silencer. There are 6 powers available with either high grade of evacuation (HV) or high suction volume (HS). With plug connections.

#### Application

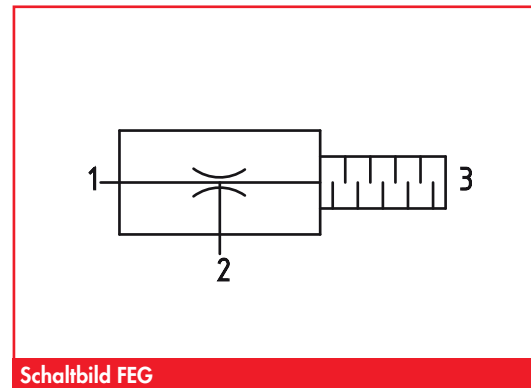
- for direct mounting hose lines
- use in handling systems with different occupancy grades
- can be controlled by separate pneumatic valves or valve islands
- any mounting position



FEG-05 ... FEG-30

#### Article number

Type	Article number
FEG-05-HV	1.44.1.0092
FEG-05-HS	1.44.1.0044
FEG-07-HV	1.44.1.0037
FEG-07-HS	1.44.1.0039
FEG-10-HV	1.44.1.0042
FEG-10-HS	1.44.1.0045
FEG-15-HV	1.44.1.0046
FEG-15-HS	1.44.1.0043
FEG-20-HV	1.44.1.0038
FEG-20-HS	1.44.1.0047
FEG-30-HV	1.44.1.0040
FEG-30-HS	1.44.1.0104



Schaltbild FEG

- 1 Compressed air connection
- 2 Vacuum connection
- 3 Exhaust

**FEZER**  
Simply move more.

## Ejectors

### Basic ejector FEG

#### Technical data

Type	Vacuum* (mbar)	Suction volume*		Air consumption*		Pressure** (bar)		Noise level* (dB (A))	Temperature (°C)	Weight (kg)
		(m³/h)	(l/s)	(m³/h)	(l/s)	max.	opt.			
FEG-05-HV	-880	0,36	0,10	0,66	0,18	2 ... 8	4,5	50	0 ... +60	0,015
FEG-05-HS	-620	0,96	0,27	0,72	0,20	2 ... 8	5,0	52	0 ... +60	0,015
FEG-07-HV	-880	0,96	0,27	1,69	0,47	2 ... 8	4,7	56	0 ... +60	0,015
FEG-07-HS	-530	2,34	0,66	1,69	0,47	2 ... 8	6,2	67	0 ... +60	0,015
FEG-10-HV	-890	1,50	0,42	3,30	0,92	2 ... 8	4,5	66	0 ... +60	0,026
FEG-10-HS	-650	3,78	1,05	3,30	0,92	2 ... 8	4,0	68	0 ... +60	0,026
FEG-15-HV	-880	3,12	0,87	7,08	1,97	2 ... 8	5,0	77	0 ... +60	0,026
FEG-15-HS	-610	5,40	1,50	7,08	1,97	2 ... 8	6,0	77	0 ... +60	0,026
FEG-20-HV	-920	5,88	1,63	14,1	3,92	2 ... 8	3,5	55	0 ... +60	0,185
FEG-20-HS	-920	11,3	3,14	14,1	3,92	2 ... 8	3,0	57	0 ... +60	0,185
FEG-30-HV	-930	11,2	3,11	28,8	8,0	2 ... 8	3,7	70	0 ... +60	0,185
FEG-30-HS	-830	20,3	5,64	28,8	8,0	2 ... 8	6,0	70	0 ... +60	0,185

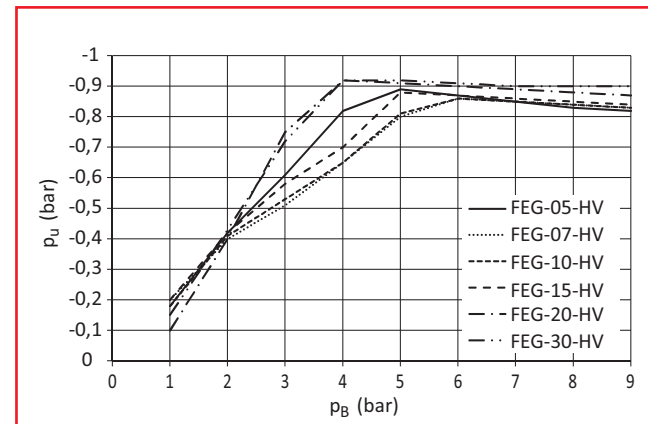
\* at optimum pressure,

\*\* dry, filtered, oil-free compressed air

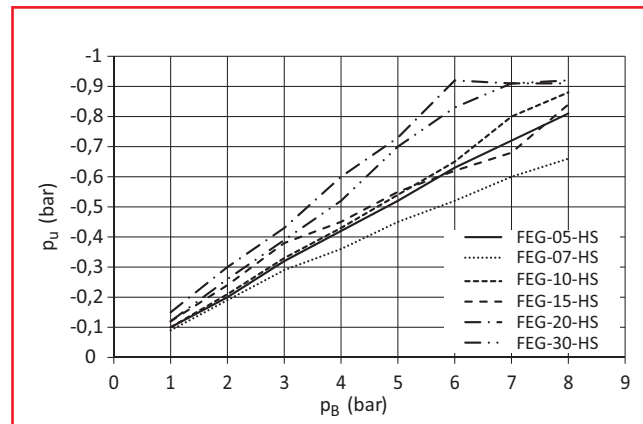
#### Evacuation- and ventilation time (s) for 1l volume

Type	Vacuum level (mbar)								Ventilation time at max. vacuum level
	-100	-200	-300	-400	-500	-600	-700	-800	
FEG-05-HV	1,1	1,5	3,0	4,3	6,0	9,0	12,5	18,4	4,8
FEG-05-HS	0,4	0,8	1,1	1,8	3,1	6,8	11,2	---	1,7
FEG-07-HV	0,8	1,0	1,5	2,2	2,9	3,4	6,1	9,2	1,9
FEG-07-HS	0,2	0,3	0,5	1,0	2,2	---	---	---	0,5
FEG-10-HV	0,3	0,5	0,7	1,0	1,4	2,0	2,9	4,7	1,1
FEG-10-HS	0,1	0,2	0,3	0,5	1,0	2,3	4,5	---	0,46
FEG-15-HV	0,1	0,2	0,3	0,45	0,6	1,0	1,8	2,7	0,5
FEG-15-HS	0,05	0,1	0,2	0,3	0,9	1,5	---	---	0,25
FEG-20-HV	0,1	0,15	0,2	0,3	0,4	0,5	0,8	1,2	0,2
FEG-20-HS	0,03	0,05	0,08	0,1	0,16	0,22	0,33	0,5	0,15
FEG-30-HV	0,05	0,1	0,15	0,25	0,3	0,35	0,4	0,5	0,1
FEG-30-HS	0,05	0,1	0,15	0,07	0,09	0,13	0,12	0,45	0,1

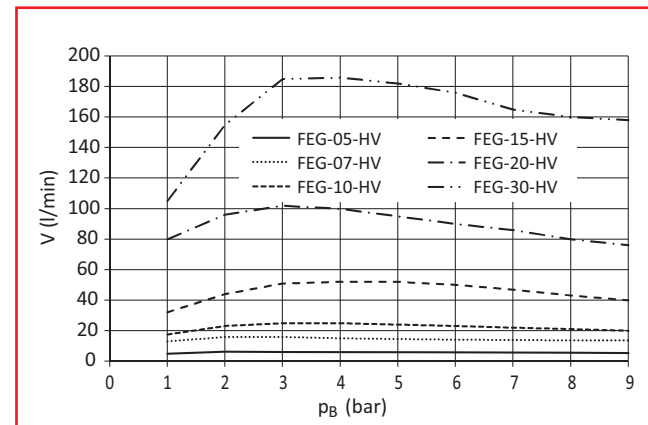
Basic ejector FEG



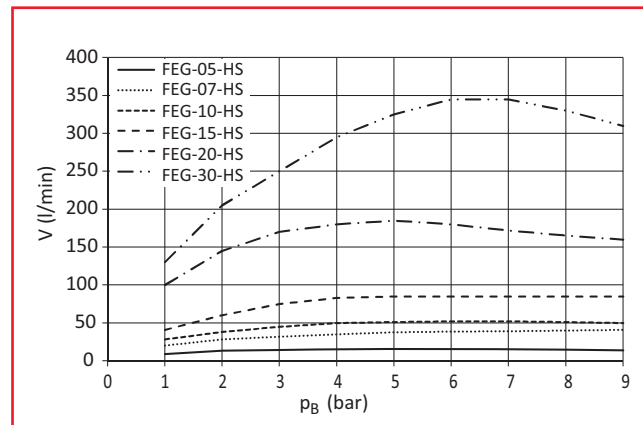
Vacuum level FEG-HV at different pressures



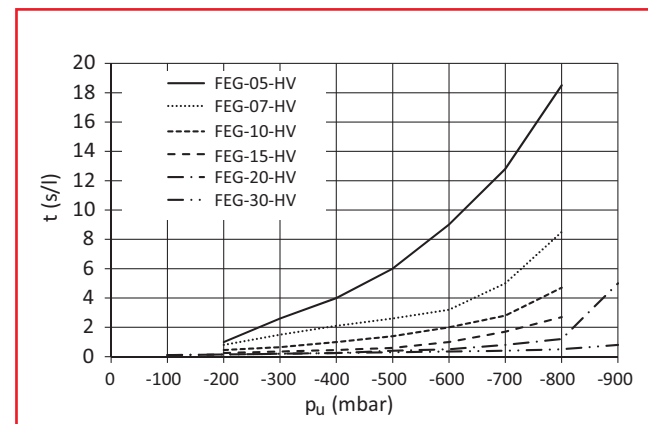
Vacuum level FEG-HS at different pressures



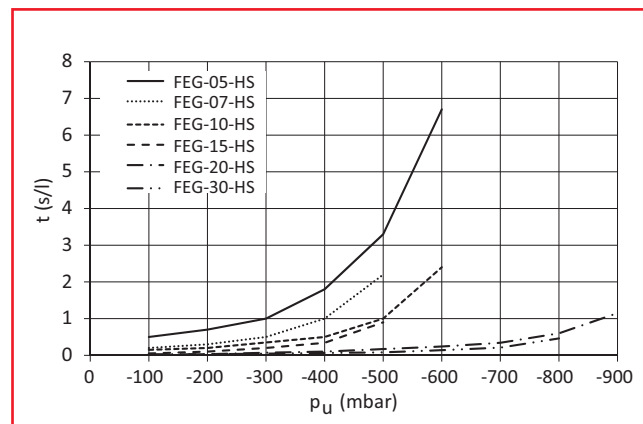
Suction volume FEG-HV at different pressures



Suction volume FEG-HS at different pressures

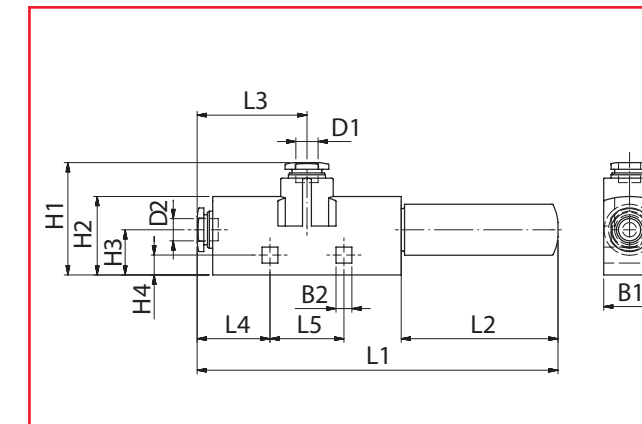


Evacuation time FEG-HV at different grades of evacuation

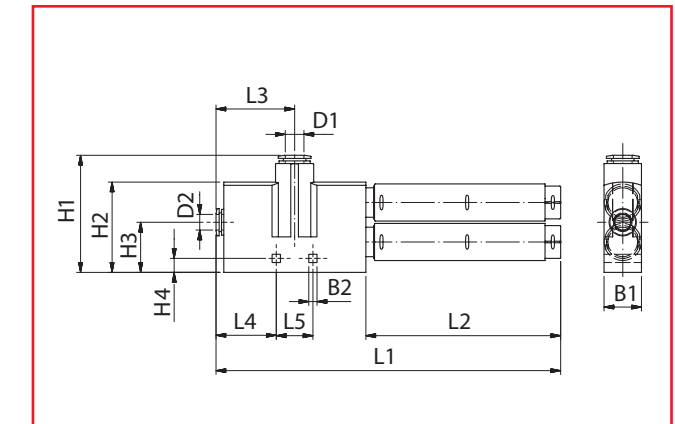


Evacuation time FEG-HS at different grades of evacuation

Basis ejector FEG



FEG-05-HV/HS-SA ... FEG-15-HV/HS-SA



FEG-20-HV/HS-SA ... FEG-30-HV/HS-SA

Dimensions

Type	L1	L2	L3	L4	L5	B1	B2	H1	H2	H3	H4	D1	D2
FEG-05-HV/HS-SA	97,6	42,4	29,7	19,7	20	14	4,3	30,4	21,3	12,3	5,4	6	6
FEG-07-HV/HS-SA	97,6	42,4	29,7	19,7	20	14	4,3	30,4	21,3	12,3	5,4	6	6
FEG-10-HV/HS-SA	97,6	42,4	29,7	19,7	20	14	4,3	30,4	21,3	12,3	5,4	6	6
FEG-15-HV/HS-SA	125,5	70,3	29,7	19,7	20	18	4,3	35,9	21,3	12,3	5,4	8	6
FEG-20-HV/HS-SA	221	124,9	50,4	38,6	23,5	24	5,3	75,1	57,9	32,2	9	12	10
FEG-30-HV/HS-SA	221	124,9	50,4	38,6	23,5	24	5,3	75,1	57,9	32,2	9	12	10