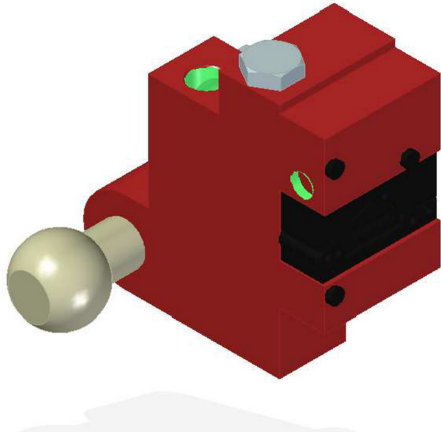


Vacuum Check Valve VT-1H Vacustat with COAX®, NPT threads, Ball joint, Left hand connection

Item number: 1072



- Two-stage COAX® cartridge MINI Pi12-2 integrated.
- Check valve that traps vacuum in sealed applications for safe operation.
- Built-in blow off check valve for fast release of object.
- Integrated energy-saving device, Vacustat results in virtually no air consumption in sealed applications.
- Available in lock pin 16, 19 or ball joint mountings, industry standard.
- Available with level compensator to compensate for differences in level of object.
- Recommend using 4mm (5/32") tubing and no more than 80 psi for blow off.
- Recommend using 6mm (1/4") tubing and no more than 80 psi for vacuum.
- Equal line lengths from common manifold should be used for both blow-off and vacuum.
- Maximum of (12) units per tool.

Technical data

Description	Unit	Value
Material	-	Al. Ceramic. CuZn. Nitrile (NBR). PA. PP. SS. Steel
Temperature, max.	°F	176
Temperature, min.	°F	14
Weight, max.	oz	37.62
Weight, min.	oz	34.88
Feed pressure, max. (blow-off)	psi	8
Feed pressure, min. (breakaway blow-off)	psi	36
Noise level, max.	dBA	68
Noise level, min.	dBA	66
Vacuum flow, range, max.	scfm	1.44
Hysteresis	inHg	8
Life span (at max load)	cycles	10000000
Signal range, max.	-inHg	-19.19
Signal range, min.	-inHg	-13.29

Performance

Ejector specification	Feed pressure	Air consumption	Vacuum flow (scfm) at different vacuum levels (-inHg)									Max vacuum
	psi	scfm	0	2	5	8	11	14	17	20	26	-inHg
Pi12-2	24.66	0.61	1.21	0.85	0.47	0.32	0.15					≥14.47
Pi12-2	45.54	0.93	1.44	1.27	0.93	0.57	0.4	0.3	0.21	0.13	0.064	≥26.58
Pi12-2	31.91	0.72	1.36	1.017	0.61	0.42	0.3	0.17	0.042			≥18.9
Pi12-2	58.015	1.12	1.4	1.27	1.1	0.83	0.51	0.25	0.21	0.13	0.042	≥24.81

Ejector specification	Feed pressure psi	Air consumption scfm	Evacuation time (s/cf) to reach different vacuum levels (-inHg)								Max vacuum -inHg
			2	5	8	11	14	17	20	23	
Pi12-2	24.66	0.61	7.93	15.86	32	60.31					≥14.47
Pi12-2	45.54	0.93	4.81	9.061	16.42	31.15	50.97	76.46	113.27	181.23	≥26.58
Pi12-2	31.91	0.72	5.66	11.89	24.069	42.48	65.13	84.95			≥18.9
Pi12-2	58.015	1.12	5.097	9.34	15.29	24.069	42.48	70.79	107.6	201.049	≥24.81

Ejector specification	Feed pressure psi	Air consumption scfm	Blow flow (scfm) at different pressure levels (-inHg)															Max pressure -inHg
			0	2	5	8	11	14	17	20	23	26	29	32	35	38	41	
Pi12-2	87.023	1.59	2.9	2.89	2.88	2.85	2.82	2.6	2.37	2.18	2.18	2.18	2.18	2.12	2.013	1.82	1.67	≥

Dimensional drawings

Values specified in this datasheet are tested at (unless otherwise stated):

- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Compressed air quality, DIN ISO 8573-1 class 4.

Tolerance and accuracy:

- Feed pressure tolerance ±0.02 MPa [2.9 psi]
- Vacuum flow/evacuation time accuracy ±10%.