

Vacuum Check Valve VT-1H



Vacuum Check Valve VT-1H



FUNCTION ATTACHMENT

- Check valve that traps vacuum in sealed applications for safe operation.
- Built-in blow off check valve for fast release of object.
- 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
Feed pressure, max.blow-off	MPa	0.55
Feed pressure, min. breakaway blow-off	MPa	0.25
Material		Al, Steel, Ceramic, CuZn, NBR, SS, PU
Temperature range	°C	-30-70
Weight	g	351-396
Weight with level compensator	g	865-910
Volume, internal level compensator	cm ³	13.8
Max. load, vertical	N	700
Max. load, radial	N	700
Action range, stroke	mm	50
Angular adjustability	°	0-360
Vacuum flow, max.	l/s	0.68
Spring force, max.	N	66.7

Operational lifetime: 10,000,000 cycles at max. load

Ordering information, Vacuum Check Valve VT-1H with PMAT connection

Vacuum Check Valve VT-1H - G threads	Art. No. - Left hand connection			Art. No. - Right hand connection		
	Lock pin 16	Lock pin 19	Ball joint	Lock pin 16	Lock pin 19	Ball joint
Vacuum Check Valve VT-1H	0125576	0125574	0125578	0125575	0125573	0125577
Vacuum Check Valve VT-1H with LCS*	0109231	0120992	0120993	0121009	0121014	0121020

Vacuum Check Valve VT-1H -NPT threads	Left hand connection			Right hand connection		
	Lock pin	Lock pin	Ball joint	Lock pin	Lock pin	Ball joint

		16	19	Ball joint	16	19	Ball joint
Vacuum Check Valve VT-1H	Art. No.	0125582	0125580	0125584	0125581	0125579	0125583
	PMAT No.	1025	1042	1020	1025RH	1042RH	1020RH
Vacuum Check Valve VT-1H with LCS*	Art. No.	0121030	0121042	0121060	0121029	0121043	0121061
	PMAT No.	6015	6024	6023	6015RH	6024RH	6023RH
*With Level compensator, LCS							

Ordering information	
1. Rod extension	PMAT Code
Rod Extension 50 length	AA
Rod Extension 100 length	AB
Rod Extension 150 length	AC
2. Bar mounting style	PMAT Code
Bar clamp, clamp-on 25 mm	00
Bar clamp, slide-on 25 mm	01
Bar clamp, slide-on 1", pin 16	02
Bar clamp, slide-on 1", pin 19	14
Bar clamp, slide-on 1", ball joint	04
3. Swivel style	PMAT Code
Pin 16	P
Pin 19	C
Ball joint	I
4. Function attachment	PMAT Code
Vacuum Check Valve VT-1H, G connection, left hand	XAB
Vacuum Check Valve VT-1H, G connection, right hand	XABRH
Vacuum Check Valve VT-1H, NPT connection, left hand	AB
Vacuum Check Valve VT-1H, NPT connection, right hand	ABRH
Vacuum Check Valve VT-1H, G connection, left hand with level compensator LCS200	XAM
Vacuum Check Valve VT-1H, G connection, right hand with level compensator LCS200	XAMRH
Vacuum Check Valve VT-1H, NPT connection, left hand with level compensator LCS200	AM
Vacuum Check Valve VT-1H, NPT connection, right hand with level compensator LCS200	AMRH
Example	Ordering number
PMAT with rod extension 50, bar clamp, slide-on 25 mm, pin 16 swivel style, Vacuum Check Valve VT-1H, G connection, left hand	PMAT AA 01 P XAB