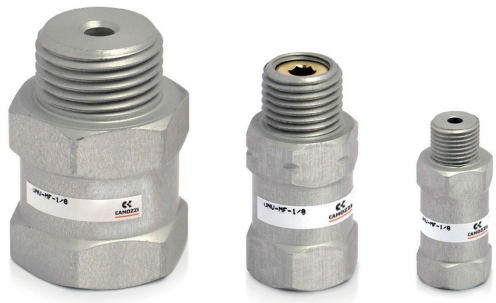
CHECK VALVES
SERIES VNV

These check valves are mainly used on vacuum gripper systems containing multiple suction pads in order to shut off individual suction pads which are not covered.
Thread size M5, G1/8, G1/4, G3/8, G1/2



- Enable the de-activation of suction pads not in contact with the workpiece, thus makes it possible to create more versatile "multi use" gripping system

The check valves Series VNV are mainly used on vacuum gripper systems containing multiple suction pads in order to shut off individual suction pads which are not covered or accidently pulled away from the workpiece. In this way the gripper system can operate correctly maintaining the vacuum level necessary for the application.

Applications:
- Handling objects with different shape and dimensions with the same gripping system

GENERAL DATA

Description	- ball seat valve with fixed bypass function - aluminium body with internal elements in brass - integrated dirt filter

Products designed for industrial applications. General terms and conditions for sale are available on www.camozzi.com
This document contains a description of the products offered by Camozzi Automation at time of publication.
For more complete and up to date information about the Camozzi Automation product range, please refer to our online catalogue at http://catalogue.camozzi.com/

CHECK VALVES
SERIES VNV - TECHNICAL CHARACTERISTICS

Technical data

Max required suction flow and according different pressures.

Mod.	- 0,3 bar (m^3/h)	- 0,3 bar (l/min)	- 0,6 bar (m^3/h)	- 0,6 bar (l/min)	Max flow (m^3/h)	Max flow (l/min)	Weight (g)
VNV-MF-M5	0.12	2	0.22	3.7	2.3	38,3	2.2
VNV-MF-1/8	0.22	3.7	0.43	7.2	15.7	261.7	11.2
VNV-MF-1/4	0.24	4	0.47	7.8	21.9	365	17.5
VNV-MF-3/8	0.44	7.3	0.48	8	35.4	590	30.3
VNV-MF-1/2	0.7	11.7	1.4	23.3	37	616.7	47.4
VNV-FM-1/8	0.22	3.7	0.43	7.2	15.7	261.7	11.2
VNV-FM-1/4	0.24	4	0.47	7.8	21.9	365	17.5
VNV-FM-1/2	0.7	11.7	1.4	23.3	37	616.7	47.4

CODING EXAMPLE

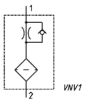
VNV	-	MF	-	M5

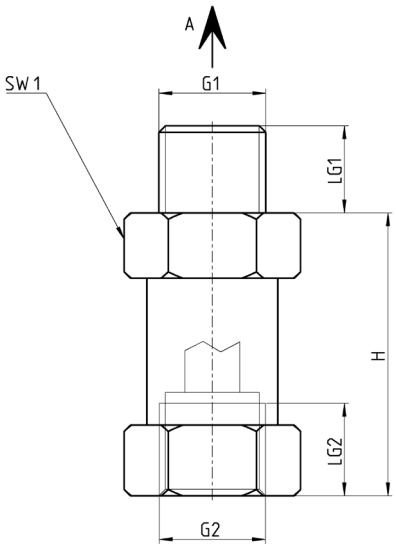
VNV	SERIES VNV = Check valve
MF	THREAD VERSION MF= G1 male/G2 female FM = G1 female/G2 male
M5	THREAD M5 = M5 1/8 = G1/8 1/4 = G1/4 3/8 = G3/8 (MF version only) 1/2 = G1/2

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VNV from M5 to G1/2, Male - Female thread







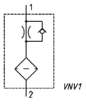
A = air flow direction during suction

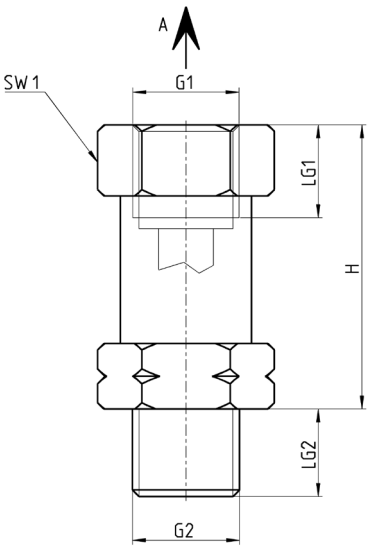
Mod.	G1	G2	H	LG1	LG2	SW1
VNV-MF-M5	M 5 M	M 5 F	15.5	4.5	4.5	8
VNV-MF-1/8	G1/8 M	G1/8 F	26	8.5	8	14
VNV-MF-1/4	G1/4 M	G1/4 F	26	11	10	17
VNV-MF-3/8	G3/8 M	G3/8 F	29	10	12	22
VNV-MF-1/2	G1/2 M	G1/2 F	29	14	12	27

* M = Male thread
* F = Female thread

VNV from G1/8 to G1/2 - Female - Male thread







Mod.	G1	G2	H	LG1	LG2	SW1
VNV-FM-1/8	G1/8 F	G1/8 M	26	8	8,5	14
VNV-FM-1/4	G1/4 F	G1/4 M	26	10	11	17
VNV-FM-1/2	G1/2 F	G1/2 M	29	12	14	27

* M = Male thread
* F = Female thread

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