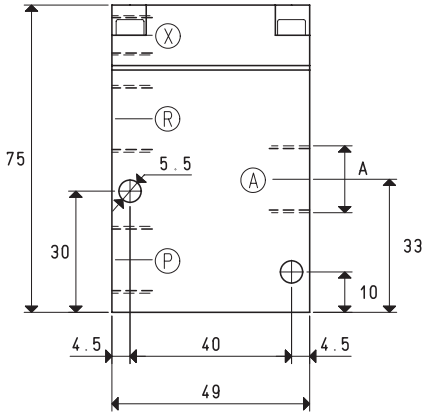
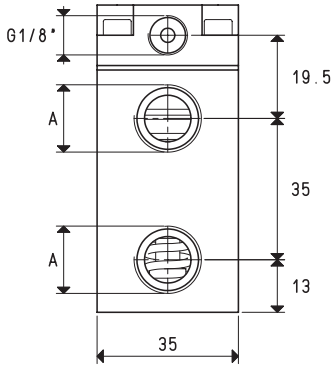
SERVO-CONTROLLED 3-WAY VACUUM VALVES

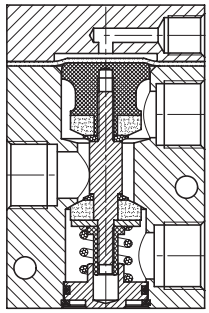
These two-position, three-way valves feature pneumatically activated conical shutters.
They can be used normally either closed or open.
They are recommended in all the cases that require a quick exchange between the vacuum pump suction and the air inlet into the circuit for a quick restoration of the atmospheric pressure.
They are composed of an anodised aluminium body, two Vulkollan® shutters assembled onto a stainless steel stem, a membrane for servo-control made with special compounds and a thrust spring for the shutter return.
These valves allow reducing frictions and internal dynamic stresses to the minimum. The result being a high response speed and a guarantee of long lasting duration.

Technical features

Operating pressure: from 0.5 to 3000 absolute mbar
Servo-control pressure: see table
Temperature of suctioned fluid: from -5 to +60°C







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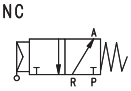
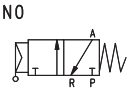


X = Compressed air supply
P = Pump
A = Use
R = Discharge

NO



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Item	A	Max flow rate	Level of vacuum abs. mbar		Reaction time msec		Mouth	Cross-section of passage	Pressure at servo-controlled	Weight
	Ø	m^3/h	min	max	energ.	de-energ.	Ø	mm^2	bar	Kg
07 01 31	G1/4"	6	1000	0.5	5	10	8.5	56.8	4 ÷ 7	0,32
07 02 31	G3/8"	10	1000	0.5	5	10	11.5	103.8	4 ÷ 7	0,31

Note: Valve servo-controlled power must be supplied with non-lubricated compressed air, 5 micron filtration, according to standard **ISO 8573-1 class 4**.

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

Adapters for GAS - NPT threading available on page 1.130