

The 3-way vacuum solenoid valves in this series feature two positions with pneumatically pilot-operated conical shutters.

They can normally be used either open or closed.

They are composed of an anodised aluminium body where the connections are located, two shutters in vulkollan® assembled onto a stainless steel stem, a special compound membrane for the servo-control and a spring for the shutter return. A solenoid pilot valve activated by a built-in electric coil, manages the compressed air supply. The particular execution of these valves allows reducing frictions and internal dynamic stresses to the minimum, which results in a high response speed and a guarantee of long lasting operation.

The electric coil of the solenoid pilot valve is fully plasticised plasticised with synthetic resin, tight execution, insulation class F (up to 155 °C) compliant with VDE standards, with 3 mm 2-terminal electrical connections in compliance with EN 175301-803 (ex DIN 43650)-C. Protection degree IP 54; IP 65 for inserted connector.

Available for voltages of 12-24V/50-60Hz and 12-24V/CC.

Allowed tolerance on the voltage nominal value: ±10%.

Maximum electric power: 2 W

The connector can be rotated by 180° on the coil and can be supplied, upon request, with Led lights, anti-interference circuit and/or with protection devices against overvoltage and polarity reversal.

A push-button device, built-in the solenoid pilot valve, allows manually opening and closing the solenoid valve. 3-way vacuum solenoid valves are usually used for intercepting the vacuum in vacuum cup feeders and paletisers, robots, bag openers and in all those cases which require a quick exchange between the vacuum pump suction and the air inlet in the circuit, for a quick restoration of the atmospheric pressure.



Working pressure: from 0.5 to 3000 mbar abs.

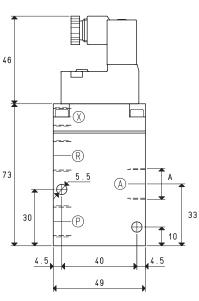
Servo-control pressure: see table

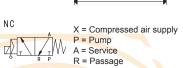
Temperature of the sucked fluid: from -5 to +60 °C

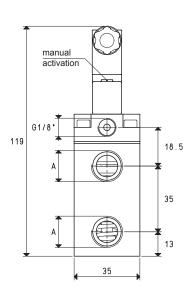


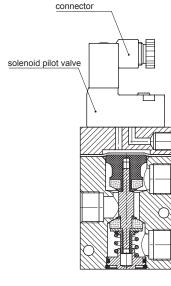












NU	
	A T R P

X = Compressed air supply P = Passage

A = Service

Art.	А	Max. capacity	Vacuum level mbar abs.		Reaction time Ø msec		Passage	Servo-control	Weight	
Aiu								section	pressure	
	Ø	cum/h	min	max	exc.	deexc.	orifice	mm ²	bar (g)	Kg
07 01 13	G1/4"	6	1000	0.5	16	27	8.5	56.8	4 ÷ 7	0.44
07 02 13	G3/8"	10	1000	0.5	16	27	11.5	103.8	4 ÷ 7	0.43

Note: Please specify the electric coil voltage in the order (E.g.: 07 01 13 V24-CC)

The connector is not integral part of the solenoid valve and, therefore, must be ordered separately (See solenoid valve accessories).

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drawings available at

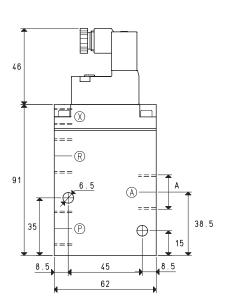
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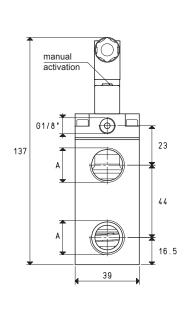
Conversion ratio: inch = $\frac{\text{mm}}{25.4}$; pounds = $\frac{\text{g}}{453.6}$ = $\frac{\text{Kg}}{0.4536}$

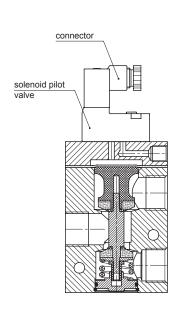
GAS-NPT thread adapters available at page 1.117













X = Compressed air supply P = Pump

A = Service

R = Passage

ΝO

X = Compressed air supply

P = Passage A = Service

R = Pump

Art.	Α	Max. capacity	Vacuum level		Reaction time		Ø	Passage	Servo	-control	Weight
711.11			mbar abs.		msec			section	pre	ssure	
	Ø	cum/h	min	max	exc.	deexc.	orifice	mm²	*ba	ar (g)	Kg
07 03 13	G1/2"	20	1000	0.5	16	40	15.0	176	6	÷ 7	0.52

 * Add the letters LP to the article for servo-control pressure 4 \div 6 bar (g).

Note: Please specify the electric coil voltage in the order (E.g.: 07 03 13 V24-CC)

The connector is not integral part of the solenoid valve and, therefore, must be ordered separately (See solenoid valve accessories).

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

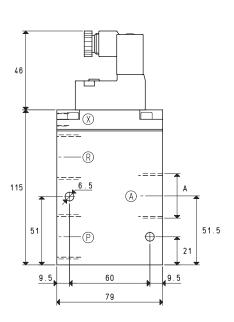
GAS-NPT thread adapters available at page 1.117

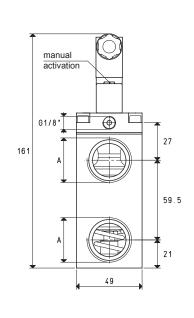
3D drawings available at www.vuototecnica.net

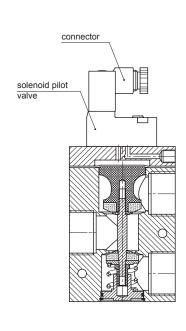
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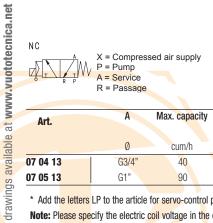












$\begin{array}{c c} NO \\ \hline \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	X = Compressed air supply P = Passage A = Service R = Pump
	R = Pump

Weight
Kg
1.00
0.94
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^{*} Add the letters LP to the article for servo-control pressure 4 ÷ 6 bar (g).

Note: Please specify the electric coil voltage in the order (E.g.: 07 04 13 V24-CC)

The connector is not integral part of the solenoid valve and, therefore, must be ordered separately (See solenoid valve accessories).

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Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

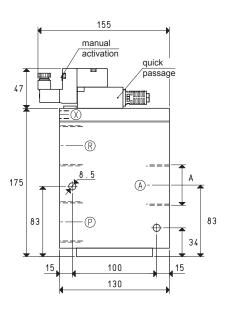
GAS-NPT thread adapters available at page 1.117

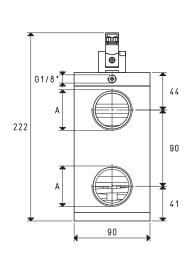


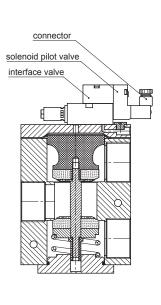
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X = Compressed air supply

P = Pump A = Service R = Passage

Ν0 X = Compressed air supply P = Passage A = Service R = Pump

Art.	Α	Max. capacity	Vacuum level mbar abs.		React	ion time	Ø	Passage	Servo-control	Weight
7					msec			section	pressure	
	Ø	cum/h	min	max	exc.	deexc.	orifice	mm²	*bar (g)	Kg
07 06 13	G1"1/2	180	1000	0.5	60	38	40	1256	6 ÷ 7	4.50

^{*} Add the letters LP to the article for servo-control pressure $4 \div 6$ bar (g).

Note: Please specify the electric coil voltage in the order (E.g.: 07 06 13 V24-CC)

The connector is not integral part of the solenoid valve and, therefore, must be ordered separately (See solenoid valve accessories).

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6}$ = $\frac{Kg}{0.4536}$

GAS-NPT thread adapters available at page 1.117

drawings available at www.vuototecnica.net 30

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