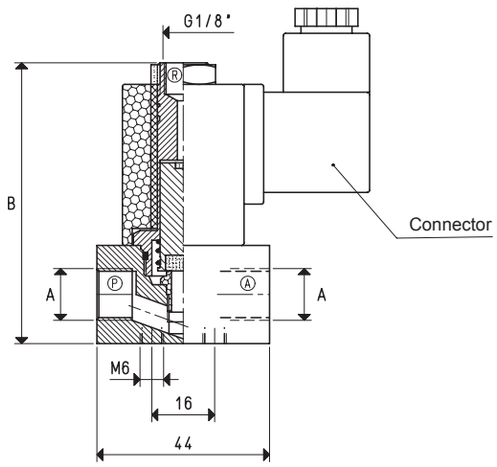
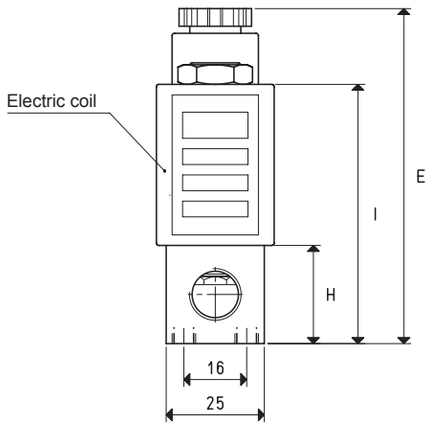
2 AND 3-WAY VACUUM SOLENOID PILOT VALVES

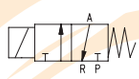
These direct-drive valves have been specially designed for vacuum and are normally closed.
They are composed of an anodised aluminium body, where the connections and the passage orifices are located, and of an actuator which is activated by an electric coil. The solenoid pilot valve shutter in NBR nitrile rubber or Vulkollan®, is an integral part of the actuator mobile core.
Both the orifices of the 2-way solenoid pilot valves have the same size, while those of the 3-way ones have a 3mm outlet diameter, obtained through the tube.
The very low reaction time allow carrying out a very high number of cycles per minute.
The standard electric coil is fully plasticised with synthetic resin, tight execution, insulation class F (up to 155 °C) compliant with VDE standards, with 6.3 mm 3-terminal electrical connections in compliance with EN 175301-803 (ex DIN 43650). Protection degree IP 54; IP 65 for inserted connector.
Allowed tolerance on the voltage nominal value: ±10%.
Max. absorption: 16.5 V.A. with AC and 16 W with DC.
The electric coil can be rotated by 360°.
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.

Technical features:
Working pressure: from 1 to 1500 mbar abs.
Temperature of the sucked fluid: from -5 to +60 °C





3 / 2 NC



P = Pump
A = Service
R = Passage

3-WAY SOLENOID PILOT VALVE

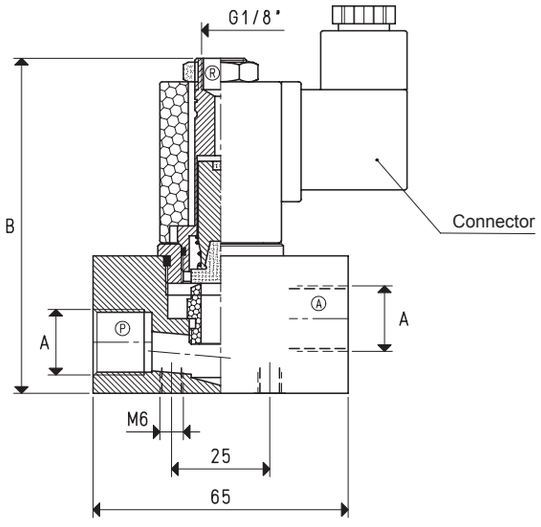
Art.	A	Max. capacity	Vacuum level mbar abs.		Reaction time msec		Ø	Passage section	B	E	H	I	Weight
	Ø	cum/h	min	max	exc.	deexc.	orifice	mm²					g
07 01 16	G1/4"	4	1000	0.5	15	8	6	28.3	73	86	25	67	248

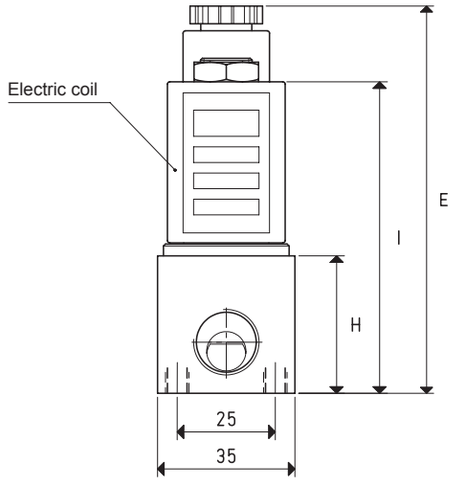
Note: The coil and the connectors are not integral part of the solenoid pilot valves, therefore, they must be ordered separately (See solenoid valve accessories).

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

3-WAY VACUUM SOLENOID PILOT VALVES





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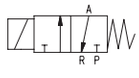

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3-WAY SOLENOID PILOT VALVE

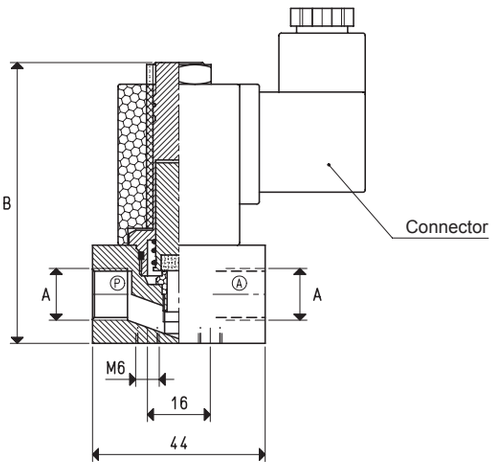
Art.	A	Max. capacity	Vacuum level mbar abs.		Reaction time msec		Ø	Passage section	B	E	H	I	Weight
	Ø	cum/h	min	max	exc.	deexc.	orifice	mm²					g
07 02 16	G3/8"	8	1000	0.5	22	10	10	78.5	85	98	35	79	392
07 03 16	G1/2"	10	1000	0.5	28	10	12	113.0	85	98	35	79	377

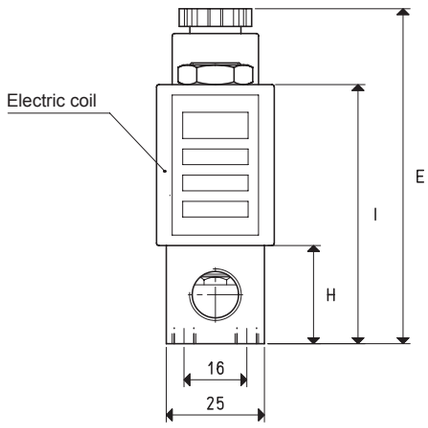
Note: The coil and the connectors are not integral part of the solenoid pilot valves, therefore, they must be ordered separately (See solenoid valve accessories).

3D drawings available at **www.vuototecnica.net**

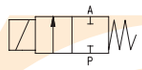
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS-NPT thread adapters available at page 1.117





2 / 2 NC



P = Pump
A = Service

2-WAY SOLENOID PILOT VALVE

Art.	A	Max. capacity	Vacuum level mbar abs.		Reaction time msec		Ø	Passage section	B	E	H	I	Weight
	Ø	cum/h	min	max	exc.	deexc.	orifice	mm^2					g
07 01 20	G1/4"	4	1000	0.5	15	8	6	28.3	73	86	25	67	244

Note: The coil and the connectors are not integral part of the solenoid pilot valves, therefore, they must be ordered separately (See solenoid valve accessories).

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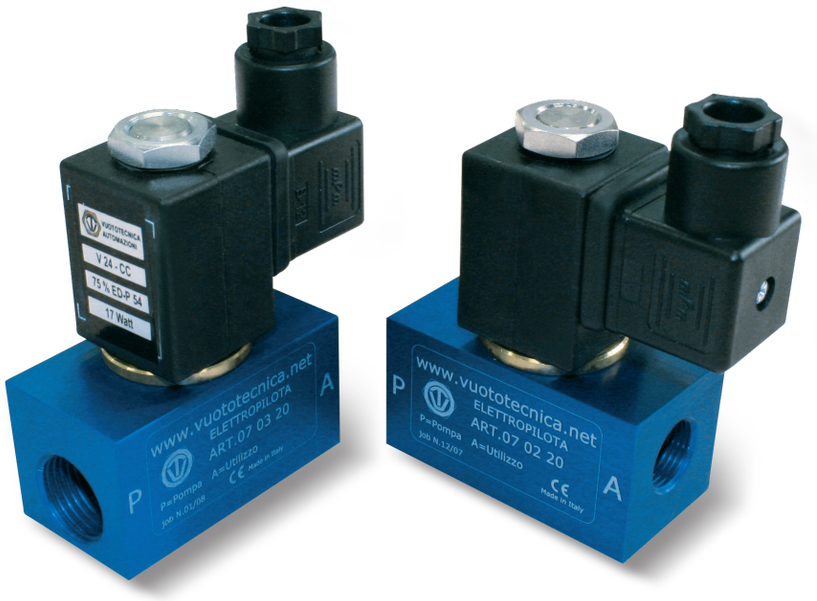
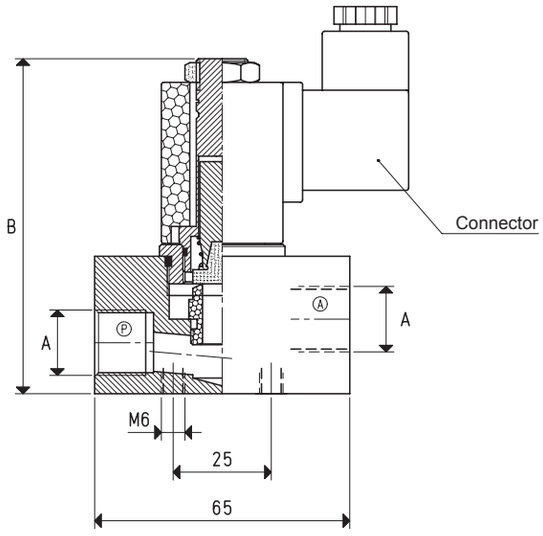
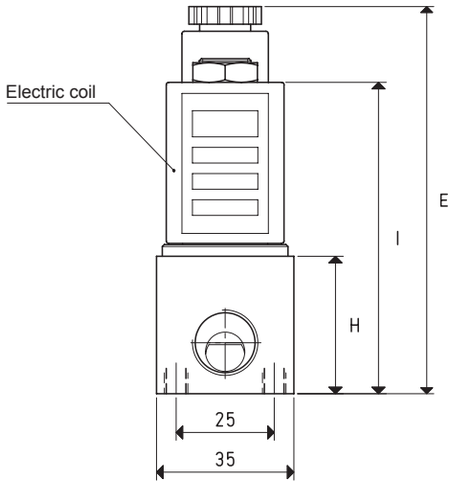
Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

GAS-NPT thread adapters available at page 1.117

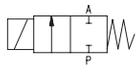
2-WAY VACUUM SOLENOID PILOT VALVES







2 / 2 NC



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2-WAY SOLENOID PILOT VALVE

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	Ø	cum/h	min	max	exc.	deexc.	orifice	mm²					g
07 02 20	G3/8"	8	1000	0.5	22	10	10	78.5	85	98	35	79	384
07 03 20	G1/2"	10	1000	0.5	28	10	12	113.0	85	98	35	79	372

Note: The coil and the connectors are not integral part of the solenoid pilot valves, therefore, they must be ordered separately (See solenoid valve accessories).

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

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