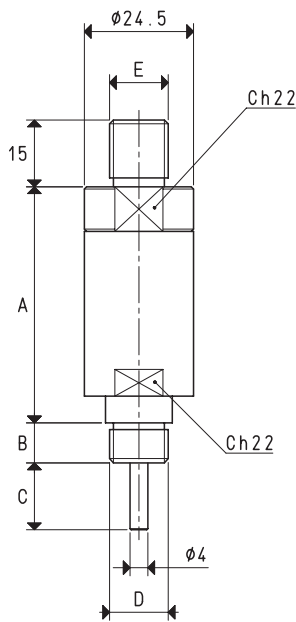
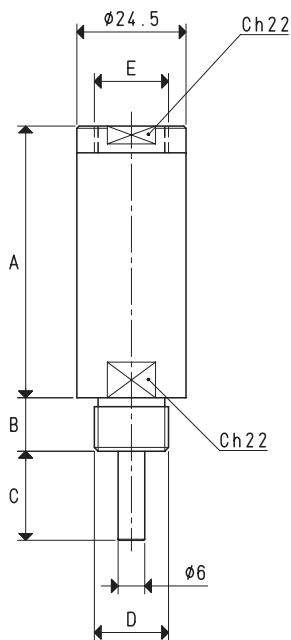


PLUNGER VALVES

Plunger valves are composed of a cylindrical brass body, a steel plunger with a conical valve and a thrust spring. Connected to vacuum, they are normally closed. They activate suction, thus creating vacuum, only when the plunger is in contact with the gripping surface. They are available in various versions, all suitable for our vacuum cups.



Art.	A	B	C	D Ø	E Ø	Weight g	Cup art.
19 01 10	53	9	15.0	G1/4"	G1/4"	160	08 150 16
19 01 11	53	9	15.0	M12	G1/4"	166	08 80 20
19 01 12	53	9	20.0	M12	G1/4"	152	08 127 15



Art.	A	B	C	D Ø	E Ø	Weight g	Cup art.
19 02 10	61	12	20	G3/8"	G3/8"	164	08 150 15 08 200 10 08 250 10
19 03 10	61	10	22,5	G1/2"	G3/8"	172	08 300 10 08 350 10
19 04 10	68	10	40	G1/2"	G3/8"	182	08 360 10

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

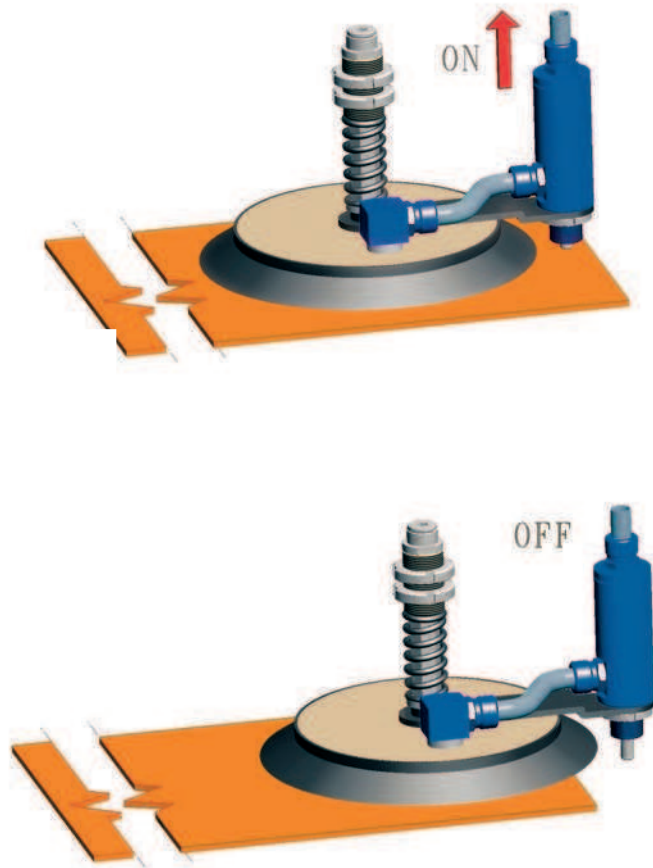
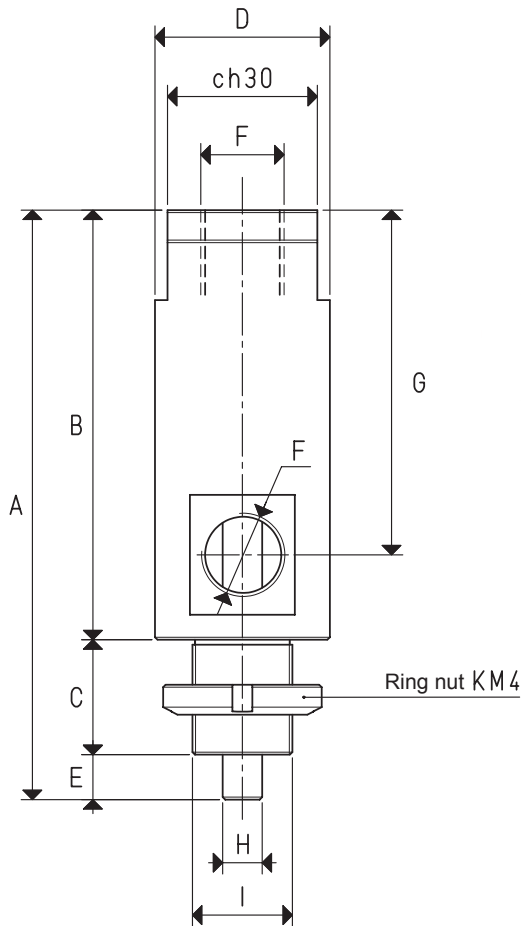
MECHANICALLY OPERATED VALVES

These valves are composed of an anodised aluminium body, a steel pin solidly connected to a conical shutter and of a thrust spring.

Connected to vacuum, they are normally closed.

They activate suction, thus creating vacuum, only when the pin is activated by the cams or any other mechanical device.

They can be used as an alternative to plunger valves when these cannot be assembled onto the vacuum cups.



3D drawings available at www.vuototecnica.net

Art.	A	B	C	D	E	F	G	H	I	Weight
				∅		∅		∅	∅	g
19 02 30	112	80	23	35	9	G3/8"	63	8	M20 x 1	252

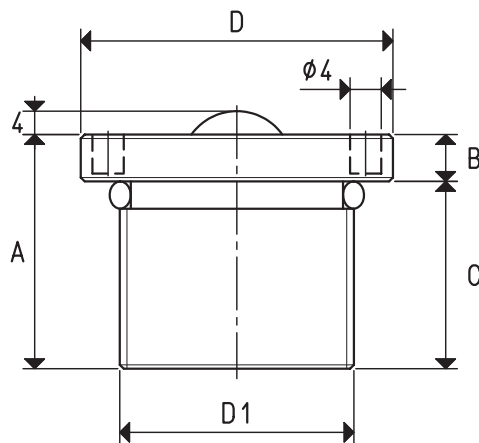
VALVES WITH BALL SHUTTER

Valves with ball shutters activate suction, creating vacuum in the cups on which they are applied, only when the load to be held activates the sealing shutter.

They are made of an anodised aluminium body, a nylon ball shutter, a calibrated thrust spring and a threaded brass closing plug.

When properly calibrated, they guarantee a perfect vacuum seal.

They are recommended for making vacuum operated clamping surfaces. They can be supplied in different sizes and shapes upon request and for a minimum quantity to be defined in the order.



Art.	A	B	C	D	D1	Weight
22 01 10	30	6	24	40	M30 x 1.5	70

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