VACUUM REGULATORS WITH PNEUMATIC ADJUSTMENT

Vacuum regulators with pneumatic adjustment differ from the previous ones for the way they adjust the vacuum level; in fact, instead of acting manually on the adjustment screw, it is necessary to act on the pneumatic cylinder compressed air supply: the higher the pressure, and the higher the vacuum level and viceversa.

Vacuum regulators are used to adjust the pre-set vacuum level and keep it constant (secondary vacuum), regardless of the pump vacuum level (primary vacuum).

Unlike the vacuum adjusting valves, regulators do not introduce air into the circuit, thus producing more gripping points with different vacuum values, from only one vacuum source.

Their operating principle is based on the contrasting action between a pneumatic cylinder with short stroke and a fluctuating piston driven by the pressure differential existing between the secondary vacuum and the atmospheric pressure

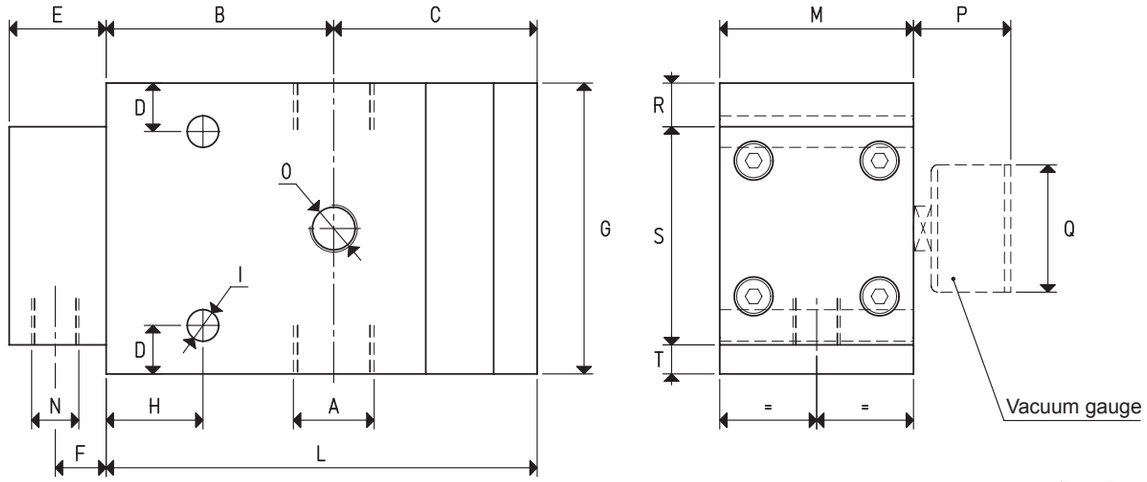
Technical features

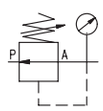
- Operation: membrane-piston regulator.
- Supply pressure: from 0 to 3 bar (g) for regulators art. 11 .. 30; from 0 to 5 bar (g) for regulators art. 11 .. 80.
- Adjustable working pressure: from 800 to 1 mbar abs. for regulators art. 11 .. 30; from 980 to 1 mbar abs. for regulators art. 11 .. 80:
- Capacity: from 2 to 160 cum/h.
- Room temperature: from -10 to +80 °C.
- Installation position: any.

Use

Vacuum regulators are mainly used on centralised plants where, regardless of the plant vacuum level, each grip can be adjusted within that value. Moreover, they are necessary whenever the working vacuum must be lower than the primary vacuum and kept constant.

Vacuum regulators with pneumatic adjustment can be installed away from the control point, since it is sufficient to have a pressure regulator on the control panel to act on them.





Art.	A	Max. capacity.	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S	T	Art.	Weight
	Ø	cum/h								Ø			Ø	Ø		Ø				pressure gauge	Kg
11 01 30	G1/4"	6	47	42.0	10	20	10.5	60	20	6.5	89.0	40	G1/8"	G1/8"	30	40	9.0	45	6.0	09 03 15	0.71
11 02 30	G3/8"	10	47	42.0	10	20	10.5	60	20	6.5	89.0	40	G1/8"	G1/8"	30	40	9.0	45	6.0	09 03 15	0.69
11 03 30	G1/2"	20	53	52.0	15	26	16.5	85	25	8.5	105.0	50	G1/8"	G1/4"	36	63	16.5	58	10.5	09 03 10	1.32
11 04 30	G3/4"	40	55	55.5	15	26	16.5	100	30	8.5	110.5	50	G1/8"	G1/4"	36	63	24.0	58	18.0	09 03 10	1.94
11 05 30	G1"	80	60	58.0	15	26	16.5	120	30	8.5	118.0	60	G1/8"	G1/4"	36	63	34.0	58	28.0	09 03 10	2.35
11 06 30	G1" 1/2	160	54	77.5	15	30	19.5	160	20	8.5	131.5	99	G1/4"	G1/4"	36	63	37.5	80	42.5	09 03 10	5.56
11 03 80	G1/2"	20	53	52.0	15	26	16.5	120	25	8.5	105.0	60	G1/8"	G1/4"	36	63	34.0	58	28.0	09 03 10	2.28
11 05 80	G1"	80	60	58.0	15	26	16.5	120	30	8.5	118.0	100	G1/8"	G1/4"	36	63	34.0	58	28.0	09 03 10	3.96
11 06 80	G1" 1/2	160	54	77.5	15	30	19.5	160	20	8.5	131.5	99	G1/4"	G1/4"	36	63	37.5	80	42.5	09 03 10	5.60

Note: Pressure gauges are not integral part of the regulators, therfore, they must be ordered seperately.

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