MARV302 series

VACUUM PRESSURE REGULATOR

Technical data

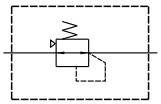
Caution for safety
(Read before installing)





Option: **MP48E**

Symbol



Feature

- Installed after vacuum pump and used to adjust the vacuum pressure for operational requirements of the machine.
- Can be assembled with MAFV302 to achieve modular design.
- High flow rate up to 310 ℓ/min (ANR).
- Accurate vacuum control(resolution within 0.13 kPa) and high stability.

Specification

Model	MARV302		
Bore No.	8A	10A	15A
Port size	1/4	3/8	1/2
Medium	Air		
Proof pressure (*1)	100 kPa		
Setting pressure range (*2)	-100 ~ -1.3 kPa		
Atmospheric intake consumption (*3)	0.6 ℓ/min(ANR) or less		
Knob resolution	0.13 kPa or less		
Ambient temperature	–5~+60°C (No freezing)		
Max. flow rate (*4) ℓ/min(ANR)	275	310	
Optional attachment	Pressure gauge (PGV-40S), L type bracket		
Weight	470 g		

*1. For vacuum regulator with pressure gauge, the gauge will be damaged if positive pressure is supplied.
*2. Use caution it varies depending on the pressure in vacuum pump side.
*3. Take air from atmosphere all the time.
*4. It is the flow rate when the secondary side is completely close and primary pressure is at -101kPa, and then adjusting secondary pressure at -80kPa, the secondary side is fully opened.

Order example

MARV302 – 8A – C – □ – □

MODEL

PORT SIZE
8A: 1/4
10A: 3/8
15A: 1/2

PRESSURE GAUGE
Blank: without guage
C: Pressure gauge (PGV-40S)
E5: Digital pressure switch (MP48E-010)
E6: Digital pressure switch (MP48E-011)
E7: Digital pressure switch (MP48E-02R)

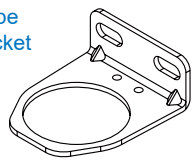
BRACKET
Blank: without
B: L type

PORT THREAD
Blank: Rc thread
G: G thread
NPT: NPT thread

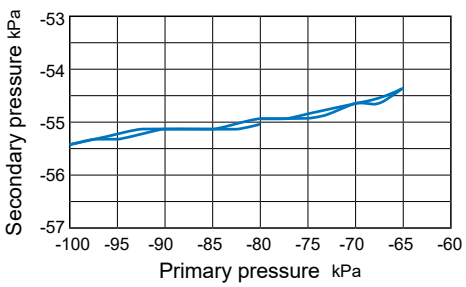
* For piping ports with NPT threads, please contact us if digital pressure sensor (E*) is required.

Option accessories

L type bracket



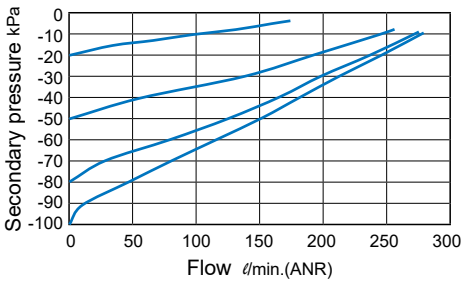
Pressure feature



Flow feature

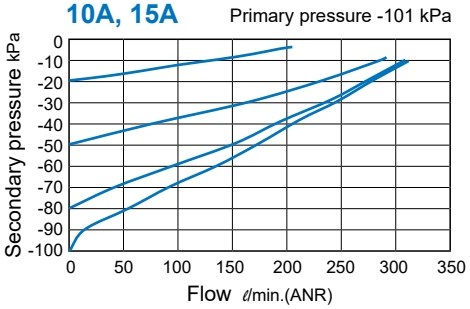
8A

Primary pressure -101 kPa



10A, 15A

Primary pressure -101 kPa

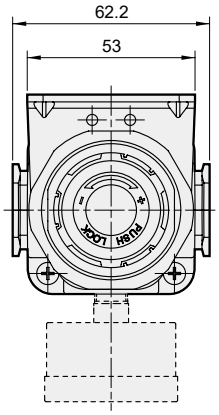


MARV302 Dimensions

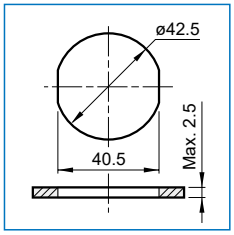
VACUUM PRESSURE REGULATOR

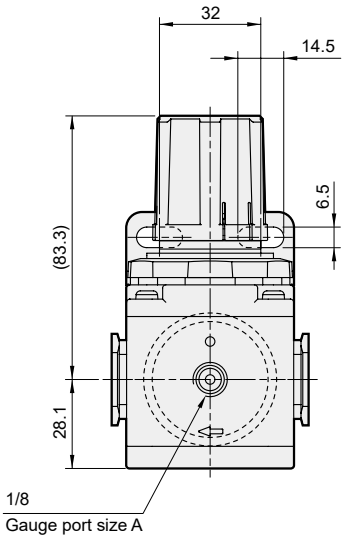
MARV302

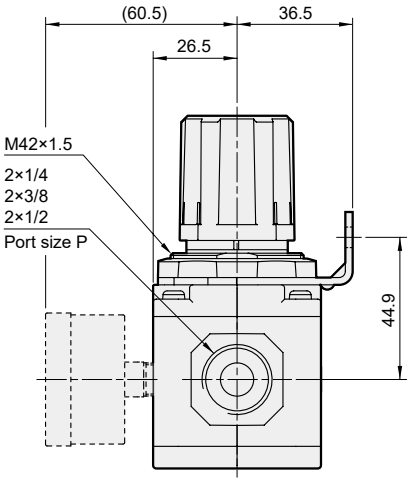
PGV-40S pressure guage + L type bracket



Panel mounting hole







P Port thread	A Gauge port thread
Rc	Rc
G	
NPT	NPT

MARV302-E*

MP48E digital pressure switch

