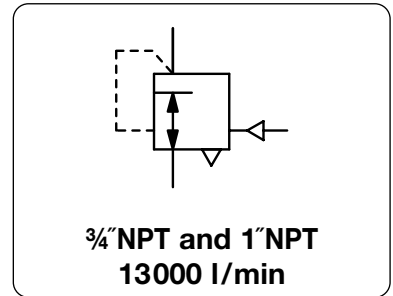


| | | |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| Description | The volume booster amplifies the volume at a 1:1 ratio of pilot pressure to outlet pressure. The booster is robust, highly accurate and sensitive. The hysteresis between the outlet pressure and the relieving pressure is very small and constant. Caused of the inlet pressure compensation of the control valve the regulator is stable against fluctuations in inlet pressure vibrations due to sudden changes of the volume flow are prevented by damping in the diaphragm chamber. | |
| Media | compressed air or non-corrosive gases | Supply pressure max. 17 bar |
| Pilot pressure | max. 10 bar | |
| Accuracy | response sensitivity 15 mbar | |
| Air consumption | no air consumption | Relieving function relieving, tapped exhaust function ¼ NPT |
| Relief capacity | 4245 l/min at 5 bar outlet pressure and 0.35 bar over pressure | |
| Gauge port | ¼" NPT on both sides of the body | Mounting position: any |
| Temperature range | -40 to 93 °C / -72 to 167.4 °F; optionally to -52 °C / -93.6 °F | |
| Material | Body and inner valve stainless steel 316L | Elastomer: NBR |



| Dimensions | | | K _v -value | Flow rate | Connection | Supply pressure | Pilot pressure | Order number |
|------------|----|----|-----------------------|-----------|------------|-----------------|-----------------|--------------|
| A | B | C | (m³/h) | m³/h*1 | thread | max. bar | signal : outlet | |
| mm | mm | mm | | l/min*1 | NPT | | | |

| Booster | | | | | | | | Transmission ratio 1:1, inlet pressure max. 17 bar, reversible, without internal air consumption | | R601 |
|---------|-----|----|---|-----|-------|--------|----|--------------------------------------------------------------------------------------------------|--|----------|
| 117 | 177 | 45 | 8 | 690 | 11500 | ¾" NPT | 17 | 0 ... 10 | | R601-06N |
| | | | 9 | 780 | 13000 | 1" NPT | 17 | 0 ... 10 | | R601-08N |



R601

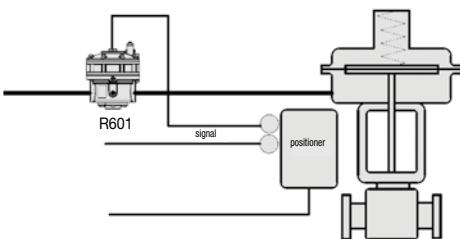
Special options, add the appropriate letter

Low temperature option to -52 °C / -93 °F R600-0.NX51

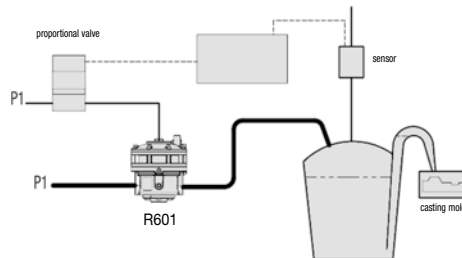
Accessories, enclosed

Pressure gauge Ø 63 mm, 0...*2 bar, G¼
Connection part pressure gauge 1/4" NPTa-G1/4
Mounting bracket

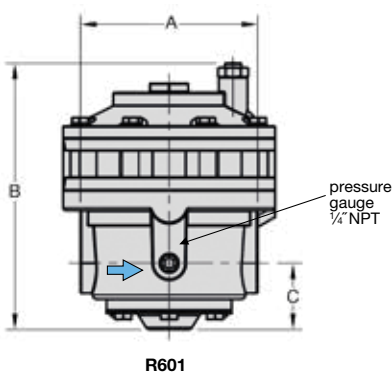
MA6302-..*2
VP-0202N
BW00-66S



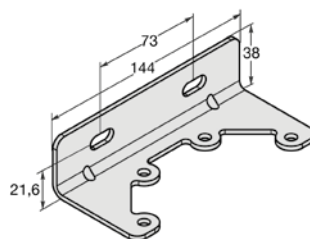
Volume flow booster with single-acting positioner and diaphragm actuator



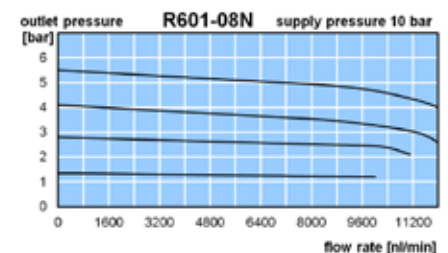
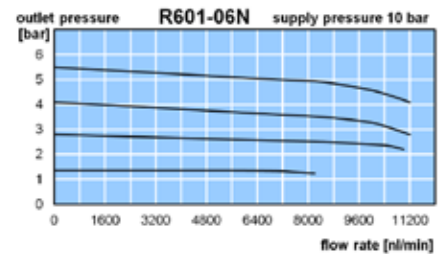
Volume flow booster in a casting plant



R601



BW00-66S



*1 at 7 bar supply pressure and 1,4 bar outlet pressure
 *2 02 = 0...2,5 bar, 04 = 0...4 bar, 06 = 0...6 bar, 10 = 0...10 bar

* Product group

Gauge: see chapter for measuring devices

PDF CAD
www.aircom.net



Order example:
R601-06N