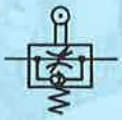
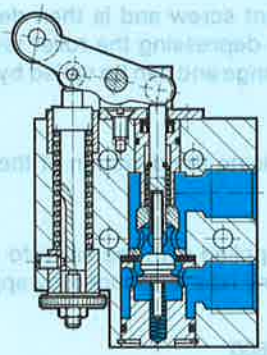
## Flow control valve cam-operated
with roller lever
## Type GRR-1/2

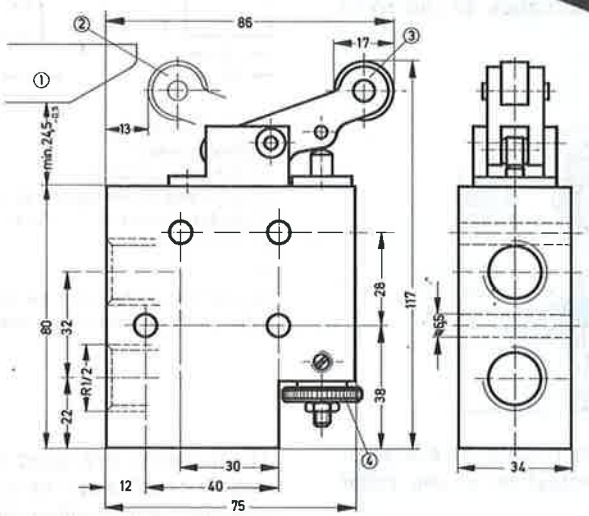


This valve is used to vary a preselected flow during the movement sequence of single or double acting cylinders.

Increasing throttle action:
Actuation of the roller lever causes the flow orifice to be throttled or closed.

Decreasing throttle action:
Actuation of the roller lever causes the throttle orifice to be released.
With Type GRR, it is possible to obtain both functions by reversing the roller lever.
In the opposite direction (against the direction of the arrow), full free flow though the check valve is independent of initial roller lever position.




① Control cam
② Lever position for decreasing throttle action
③ Lever position for increasing throttle action
④ Adjusting screw to preselect the flow rate

The flow is adjusted with an adjustment screw and is then decreased or increased (depending on the valve) by depressing the roller lever. Flow is infinitely variable with in a actuation range and can be varied by the design of the control cam.

The arrows on the inscription label indicate the direction of the adjustable cross-section.

Examples of application, see Sheet 2.600

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|---|---|---|
| Order code | Part No./Type | 2111 GRR-1/2 |
| Medium | | Compressed air, filtered (lubricated or unlubricated) |
| Design | | Cam-operated flow control valve with roller lever |
| Mounting | | Through-holes in housing |
| Connection | | G 1/2 |
| Nominal size | in flow control direction | 12 mm |
| | free flow | 12 mm |
| Standard nominal flow rate | in flow control direction | 0 to 1300 l/min |
| | free flow | 1250 l/min |
| Pressure range | | 0.15 to 8 bar |
| Actuation force at 6 bar | | 110 N (≙ 11 kp) |
| Temperature range | | −10 to +60° C |
| Materials | | Housing: hard anodized aluminium; seals: perbunan |
| Weight | | 0.735 kg |