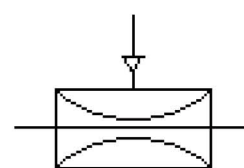


Prop.-V.



11

Description	The 2-port/2-way valve functions as a pinch valve in a new design of housing with full flow cross-section. Since the straight valve passage has neither constrictions nor back-points, there is no danger of clogging or blockage. Frictional loss is at a minimum.	
Media	Compressed air, non-corrosive gases, liquids or other paste-like or powdery media. Solids are enclosed by the flexible sleeve at shut-off.	
Sleeve	Highly flexible with double-woven reinforcement in eight different grades. Sleeve simple to change.	
Pressures	Operating pressure: max. 4.0 bar Differential pressure: max. 2.5 bar	Pilot pressure: max. 6.5 Closing pressure: $P_1 + 2.5$ bar to DN32, $P_1 + 2$ bar from DN40 on
Vacuum	If vacuum is greater than -100 mbar, vacuum compensation should be provided on the control side.	
Mounting position	any	
Temperature range	0 °C to max. 100 °C / 32 °F to max. 212 °F, subject to sleeve material	
Material	Body: POM at model QP or aluminium die-cast at model QS Sleeve: depending on selected version	



DN10 up to DN150

Prop.-V.



11

Dimensions	Nominal size	Volume of control chamber	Pilot port	Operating pressure	Connection thread	Order number
A	Ø	DN	I	G	max. bar	G / flange
mm	mm					



Flow control valve

operating pressure max. 4 bar,
pilot pressure max. 2.5 bar above operating pressure

Q

80	44	10	0.03	G1/4	4	G3/8	QP10 -03NR
95	50	15	0.04	G1/4	4	G1/2	QP15 -04NR
110	58	20	0.05	G1/4	4	G3/4	QP20 -06NR
125	65	25	0.07	G1/4	4	G1	QP25 -08NR
140	83	32	0.10	G1/4	4	G1 1/4	QP32 -10NR
150	95	40	0.13	G1/4	4	G1 1/2	QP40 -12NR
200	100	50	0.23	G1/4	4	G2	QS50 -16NR
240	134	65	0.49	G1/4	4	G2 1/2	QS65 -20NR
290	154	80	0.95	G1/4	4	G3	QS80 -24NR
280	220	100	1.80	G3/8	4	flange	QS100-FLNR
350	250	125	3.30	G3/8	4	flange	QS125-FLNR
420	285	150	6.40	G3/8	4	flange	QS150-FLNR

QP made of POM, DN10 - DN25

QP made of POM, DN32 - DN40



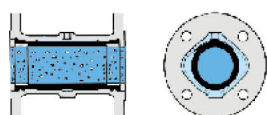
QS50 made of aluminium with POM thread



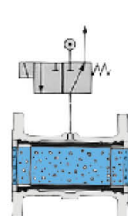
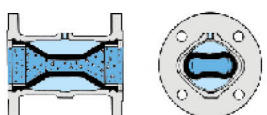
QS100 made of aluminium die-cast

Special options, add the appropriate letter

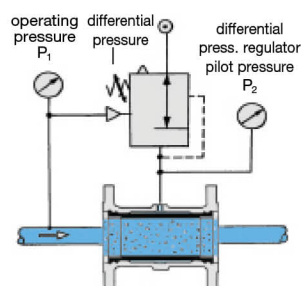
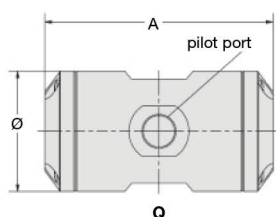
flange connection	according to DIN 2532, PN10	from G1 1/4 on	Q ... -FL ...
sleeve NR	natural rubber, black	80 °C / 176 °F	Q ... - ... NR
sleeve NRL	rubber, suitable for food, black	70 °C / 158 °F	Q ... - ... NL
sleeve NRLH	rubber, suitable for food, light	70 °C / 158 °F	Q ... - ... NH
sleeve NBR	nitrile rubber / Buna-N, suitable for food	80 °C / 176 °F	Q ... - ... NB
sleeve EPDM	ethylene-propylene rubber, suitable for food, black	100 °C / 212 °F	Q ... - ... EP
sleeve FKM	fluorine rubber, black	100 °C / 212 °F	Q ... - ... FK
sleeve CR	chloroprene rubber / neoprene, black	80 °C / 176 °F	Q ... - ... CR
sleeve CSM	natural rubber, chlorosulphonyl polyethylene	80 °C / 176 °F	Q ... - ... CS



closing sequence

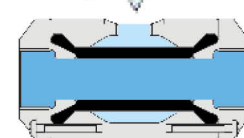


solenoid valve control



constant cross section at changing pressure

signal



cross section

Stainless steel pinch valves: see chapter for stainless steel devices

PDF CAD
www.aircom.net

* Product group



Order example:
QP10-03NR