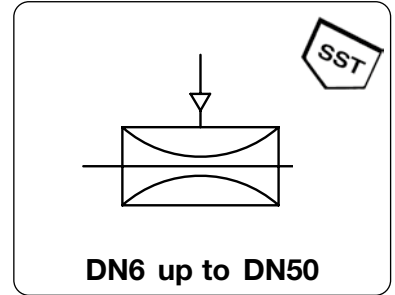


PINCH VALVE / 2-PORT / 2-WAY VALVE

QE

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, 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, at horizontal mounting pilot port preferably at the top	
Temperature range	0 °C to max. 100 °C / 32 °F to max. 212 °F, subject to sleeve material	
Material	Body: stainless steel 316L, material no. 1.4435	Sleeve: depending on selected version



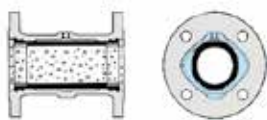
Dimensions	Nominal size	Chamber capacity	Control port	Operating pressure	Connection thread	Order number
A	Ø					
mm	mm	DN	l	max. bar	G	

Flow control valve							operating pressure max. 4 bar, pilot pressure max. 2.5 bar above operating pressure	QE
70	26	6	0.01	M5	4	G¼		QE06-02NR
80	38	10	0.03	M5	4	G¾		QE10-03NR
95	44	15	0.04	G½	4	G½		QE15-04NR
110	55	20	0.05	G¾	4	G¾		QE20-06NR
125	60	25	0.07	G½	4	G1		QE25-08NR
140	73	32	0.10	G¾	4	G1¼		QE32-10NR
150	83	40	0.13	G¾	4	G1½		QE40-12NR
185	99	50	0.28	G¼	4	G2		QE50-16NR



Special options, add the appropriate letter

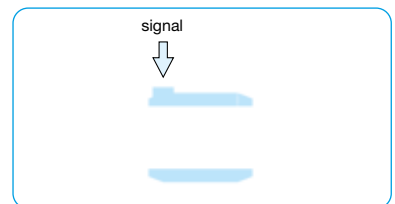
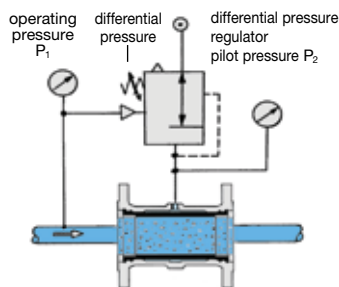
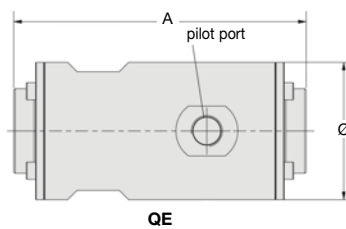
sleeve NR	natural rubber, black	80°C/176 °F	QE...NR
sleeve NRL	rubber, suitable for food, black	70°C/158 °F	QE...NL
sleeve NRLH	rubber, suitable for food, light	70°C/158 °F	QE...NH
sleeve NBR	nitrile rubber/Buna-N, suitable for food	80°C/176 °F	QE...NB
sleeve EPDM	ethylene-propylene rubber, suitable for food, black	100°C/212 °F	QE...EP
sleeve FKM	fluorine rubber, black not QE06	100°C/212 °F	QE...FK
sleeve CR	chloroprene rubber/neoprene, black not QE06	80°C/176 °F	QE...CR
sleeve CSM	natural rubber, chlorosulphonyl polyethylene not QE06	80°C/176 °F	QE...CS



closing process



solenoid valve control



For further pinch valves made of POM or aluminium see chapter for special devices

PDF CAD
www.aircom.net



Order example:
QE06-02NR