

One-way control valves - straight forms

Standard

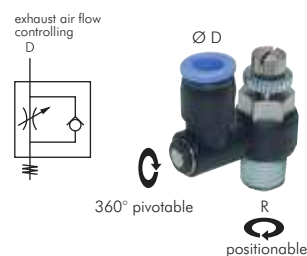
Materials: Body: Brass nickel-plated/PBT, seal: NBR, holding claw: Stainless steel, cartridge: ZnDC nickel-plated, sleeve: PBT (only silicone-free seals and lubricants are used during assembly)

Operating pressure: -0.95 to 10 bar

Temperature range: 0°C to max. +60°C

- ✓ **Advantages:**
- Very compact design
 - Can be easily adjusted without tools

Type exhaust air flow controlling	R	D	Type exhaust air flow controlling	R	D	Type exhaust air flow controlling	R	D
GRAIQS M54	M 5	4	GRAIQS 188	R 1/8"	8	GRAIQS 388	R 3/8"	8
GRAIQS M56	M 5	6	GRAIQS 146	R 1/4"	6	GRAIQS 3810	R 3/8"	10
GRAIQS 184	R 1/8"	4	GRAIQS 148	R 1/4"	8	GRAIQS 1210	R 1/2"	10
GRAIQS 186	R 1/8"	6	GRAIQS 1410	R 1/4"	10	GRAIQS 1212	R 1/2"	12



Line one-way control valves

Standard/Mini

Materials: Body: Nickel-plated brass/PA 66, sleeve: PA 66, seal: NBR, holding claws: Stainless steel, cartridge: Zinc-plated ZnDC (only silicone-free seals and lubricants are used during assembly)

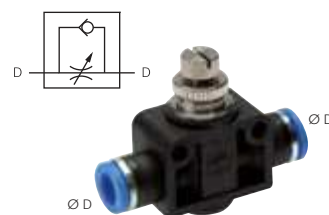
Temperature range: -20°C to max. +80°C

Operating pressure: -0.95 to 20 bar

- ✓ **Advantages:**
- Compact design
 - Can be easily adjusted without tools

Type	D	Type	D
IQSDRV 30*	3	IQSDRV 80	8
IQSDRV 40	4	IQSDRV 100	10
IQSDRV 60	6	IQSDRV 120	12

* mini design, 0°C to max. +60°C, -0.95 to 10 bar



Throttles/one-way control valves with aluminium banjos - hose screw connections

Materials: Banjo bolt: AISI 316Ti, banjo AISI 316Ti, seals: FKM/PTFE

Temperature range: -20°C to max. +150°C

Pressure range: 0.2 to max. 10 bar

Media: Oiled and unoled compressed air, as well as non-toxic gasses (50 µm)

Type exhaust air flow controlling (B)	Type supply air flow controlling (A)	Type supply and exh. air flow contr. (C)	Thread
With slotted screw (can be adjusted using a screwdriver)			
GRL 50 ES	GRLA 50 ES	GRLD 50 ES	M 5
GRL 18 ES	GRLA 18 ES	GRLD 18 ES	G 1/8"
GRL 14 ES	GRLA 14 ES	GRLD 14 ES	G 1/4"



One-way control valves with pilot operated check valves

Standard

Materials: Body: Brass nickel-plated/PA 66, sleeve: PA 66, seal: NBR, holding claws: Stainless steel, cartridge: ZnDC zinc-plated (only silicone-free seals and lubricants are used during assembly)

Temperature range: -20°C to max. +80°C

Operating pressure: 0 - 10 bar

Function: This functional combination combines the function of a one-way control valve used to regulate exhaust air flow with that of a check valve that can be unlocked pneumatically. The check valve function can be used for a brief intermediate stop. If a control signal is applied to the female thread, the exhaust air flow is controlled from the male thread to the hose. If there is no control signal on the female thread, the valve locks the flow from the male thread to the hose (venting the actuator), thus causing it to stop briefly. The flow from the hose to the male thread (towards the actuator) is not regulated by the valve and is always possible (regardless of whether or not there is a signal).

- ✓ **Advantages:**
- Compact design
 - Can be easily adjusted without tools
 - Hose and thread connector can be positioned freely, thus allowing for maximum flexibility when installing the tubes

Type	G1	G2	D	Type	G1	G2	D
GRAIQS 186 G STOP	G 1/8"	M 5	6	GRAIQS 148 G STOP	G 1/4"	G 1/8"	8
GRAIQS 188 G STOP	G 1/8"	M 5	8	GRAIQS 3810 G STOP	G 3/8"	G 1/8"	10
GRAIQS 146 G STOP	G 1/4"	G 1/8"	6	GRAIQS 1212 G STOP	G 1/2"	G 1/4"	12

