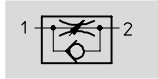


Flow Control Valves

Inch Series

GRLA



Materials:

- Swivel fitting: Die-cast zinc
- Seals: NBR

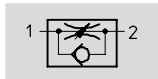
One-way Flow Controls / Exhaust Air

- 10/32 UNF, 1/8 NPT, 3/8 NPT, 1/2 NPT thread connections
- Quick Star push-in connectors for 5/32, 1/4, 5/16, 3/8, 1/2 inch tubing
- Precision adjustment
- Swivel joint rotatable 360°
- Adjustment with knurled screw



Ordering Data				
Design	Screw-in thread	For tubing O.D. [inch]	Part No.	Type
Swivel joint, elbow outlet, knurled screw				
	10/32 UNF	5/32	165008	GRLA-10-32UNF-QS-5/32-U
		1/4	192753	GRLA-10-32UNF-QS-1/4-U
	1/8 NPT	5/32	165009	GRLA-1/8-QSNPT-5/32-U
		1/4	165010	GRLA-1/8-QSNPT-1/4-U
	3/8 NPT	1/4	165012	GRLA-3/8-QSNPT-1/4-U
		5/16	165015	GRLA-3/8-QSNPT-5/16-U
		3/8	190950	GRLA-3/8-QSNPT-3/8-U
		1/2	190951	GRLA-3/8-QSNPT-1/2-U
	1/2 NPT	3/8	190952	GRLA-1/2-QSNPT-3/8-U
		1/2	190953	GRLA-1/2-QSNPT-1/2-U

GRLA



Materials:

- Swivel fitting: Die-cast zinc
- Gaskets, O-ring: Buna-N

One-way Flow Controls / Exhaust Air

- 3/8, 1/2 ISO thread connections
- 3/8, 1/2 NPT female thread connections
- Precision adjustment
- Adjustment with slotted head



Ordering Data				
Design	Screw-in thread	Connecting thread	Part No.	Type
Female thread, elbow outlet, slotted head screw				
	G3/8 ISO	3/8 NPT	151555	GRLA-3/8-NPT-B
	G1/2 ISO	1/2 NPT	151559	GRLA-1/2-NPT-B

Flow Control Valves

Metric Series

GRLA



Materials, B Version:

- Swivel fitting: Polymer, Aluminum
- Collar, O-ring: Buna-N

Materials, D Version:

- Swivel fitting: Die-cast zinc
- Seals: NBR

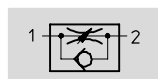
One-way Flow Controls / Exhaust Air

- M5, G $\frac{1}{8}$, G $\frac{1}{4}$, G $\frac{3}{8}$ thread connections
- Quick Star push-in connectors for 4, 6, 8 and 12 mm tubing
- Precision adjustment
- Swivel joint rotatable 360°
- Adjustment with slotted head or knurled screw



Ordering Data				
Design	Screw-in thread	For tubing O.D. [mm]	Part No.	Type
Swivel joint, elbow outlet, knurled screw				
	M5	4	197577	GRLA-M5-QS-4-RS-D
		6	197578	GRLA-M5-QS-6-RS-D
	G $\frac{1}{8}$	4	197580	GRLA- $\frac{1}{8}$ -QS-4-RS-D
		6	197581	GRLA- $\frac{1}{8}$ -QS-6-RS-D
	G $\frac{1}{8}$	6	162965	GRLA- $\frac{1}{8}$ -QS-6-RS-B
		8	162966	GRLA- $\frac{1}{8}$ -QS-8-RS-B
	G $\frac{1}{4}$	6	162967	GRLA- $\frac{1}{4}$ -QS-6-RS-B
		8	162968	GRLA- $\frac{1}{4}$ -QS-8-RS-B
	G $\frac{3}{8}$	6	162969	GRLA- $\frac{3}{8}$ -QS-6-RS-B
		8	162970	GRLA- $\frac{3}{8}$ -QS-8-RS-B
Swivel joint, elbow outlet, slotted head screw				
	G $\frac{1}{2}$	12	193152	GRLA- $\frac{1}{2}$ -QS-12-D

GRLA

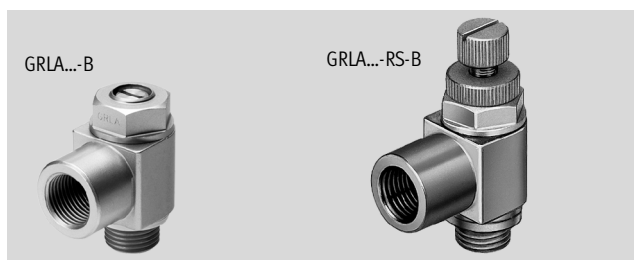


Materials:

- Swivel fitting: Die-cast zinc
- Gaskets, O-ring: Buna-N

One-way Flow Controls / Exhaust Air

- G $\frac{1}{8}$, G $\frac{1}{4}$, G $\frac{3}{8}$, G $\frac{1}{2}$ thread connections
- G $\frac{1}{8}$, G $\frac{1}{4}$, G $\frac{3}{8}$, G $\frac{1}{2}$ female thread connections
- Precision adjustment
- Adjustment with slotted head or knurled screw



Ordering Data				
Design	Screw-in thread	Connecting thread	Part No.	Type
Female thread, elbow outlet, slotted head screw				
	G $\frac{1}{8}$	G $\frac{1}{8}$	151165	GRLA-1/8-B
	G $\frac{1}{4}$	G $\frac{1}{4}$	151172	GRLA-1/4-B
	G $\frac{3}{8}$	G $\frac{3}{8}$	151178	GRLA-3/8-B
	G $\frac{1}{2}$	G $\frac{1}{2}$	151179	GRLA-1/2-B
Female thread, elbow outlet, knurled screw				
	G $\frac{1}{8}$	G $\frac{1}{8}$	151169	GRLA-1/8-RS-B
	G $\frac{1}{4}$	G $\frac{1}{4}$	151175	GRLA-1/4-RS-B