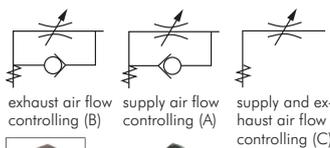


# One-way control valves



with slotted screw



with slotted screw and locking nut



with knurled screw and locking nut

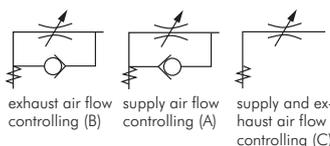
## Throttles/one-way control valves (brass)

female thread

**Materials:** Banjo bolt: Brass nickel-plated, banjo: Brass nickel-plated, seals: NBR, sealing and spacer ring: Plastic  
**Temperature range:** -20°C to max. +80°C  
**Pressure range:** 0.2 to max. 10 bar

- ✓ **Advantages:**
- Compact design
  - Undetachable marking on width flat shows the use and function of the banjo bolt even after years (B-exhaust air flow controlling, A-supply air flow controlling, C-exhaust and supply air flow controlling)

Type exhaust air flow controlling (B)	Type supply air flow contr. (A)	Type supply and exh. air flow contr. (C)	Thread male
<b>With slotted screw (can be adjusted using a screwdriver)</b>			
GRL 50 MSV	GRLA 50 MSV	GRLD 50 MSV	M 5
GRL 18 MSV	GRLA 18 MSV	GRLD 18 MSV	G 1/8"
GRL 14 MSV	GRLA 14 MSV	GRLD 14 MSV	G 1/4"
GRL 38 MSV	GRLA 38 MSV	GRLD 38 MSV	G 3/8"
GRL 12 MSV	GRLA 12 MSV	GRLD 12 MSV	G 1/2" 8 x 6
<b>With slotted screw and locking nut (can be adjusted using a screwdriver and locked using an open-end wrench)</b>			
GRL 18 MSV KO	GRLA 18 MSV KO	---	G 1/8"
GRL 14 MSV KO	GRLA 14 MSV KO	---	G 1/4"
<b>With knurled screw and locking nut (can be adjusted without a tool and locked using an open-end wrench)</b>			
GRL 50 MSV KOR	GRLA 50 MSV KOR	---	M 5
GRL 18 MSV KOR	GRLA 18 MSV KOR	---	G 1/8"
GRL 14 MSV KOR	GRLA 14 MSV KOR	---	G 1/4"



with slotted screw



with slotted screw and locking nut



with knurled screw and locking nut

## Throttles/one-way control valves (brass)

hose screw connection

**Materials:** Banjo bolt: Brass nickel-plated, banjo: Brass nickel-plated, seals: NBR, sealing and spacer ring: Plastic  
**Temperature range:** -20°C to max. +80°C  
**Pressure range:** 0.2 to max. 10 bar

- ✓ **Advantages:**
- Compact design
  - Undetachable marking on width flat shows the use and function of the banjo bolt even after years (B-exhaust air flow controlling, A-supply air flow controlling, C-exhaust and supply air flow controlling)

Type exhaust air flow contr. (B)	Type supply air flow contr. (A)	Type supply and exh. air flow contr. (C)	Thread male	Hose Ø ext. x internal
<b>With slotted screw (can be adjusted using a screwdriver)</b>				
GRL 53 MSV	GRLA 53 MSV	GRLD 53 MSV	M 5	4.3 x 3
GRL 54 MSV	GRLA 54 MSV	GRLD 54 MSV	M 5	6 x 4
GRL 184 MSV	GRLA 184 MSV	GRLD 184 MSV	G 1/8"	6 x 4
GRL 186 MSV	GRLA 186 MSV	GRLD 186 MSV	G 1/8"	8 x 6
GRL 144 MSV	GRLA 144 MSV	GRLD 144 MSV	G 1/4"	6 x 4
GRL 146 MSV	GRLA 146 MSV	GRLD 146 MSV	G 1/4"	8 x 6
GRL 148 MSV	GRLA 148 MSV	GRLD 148 MSV	G 1/4"	10 x 8
GRL 388 MSV	GRLA 388 MSV	GRLD 388 MSV	G 1/4"	10 x 8
GRL 128 MSV	GRLA 128 MSV	GRLD 128 MSV	G 1/2"	10 x 8
<b>With slotted screw and locking nut (can be adjusted using a screwdriver and locked using an open-end wrench)</b>				
GRL 184 MSV KO	GRLA 184 MSV KO	---	G 1/8"	6 x 4
GRL 186 MSV KO	GRLA 186 MSV KO	---	G 1/8"	8 x 6
GRL 144 MSV KO	GRLA 144 MSV KO	---	G 1/4"	6 x 4
GRL 146 MSV KO	GRLA 146 MSV KO	---	G 1/4"	8 x 6
GRL 148 MSV KO	GRLA 148 MSV KO	---	G 1/4"	10 x 8
<b>With knurled screw and locking nut (can be adjusted without a tool and locked using an open-end wrench)</b>				
GRL 53 MSV KOR	GRLA 53 MSV KOR	---	M 5	4.3 x 3
GRL 54 MSV KOR	GRLA 54 MSV KOR	---	M 5	6 x 4
GRL 184 MSV KOR	GRLA 184 MSV KOR	---	G 1/8"	6 x 4
GRL 186 MSV KOR	GRLA 186 MSV KOR	---	G 1/8"	8 x 6
GRL 144 MSV KOR	GRLA 144 MSV KOR	---	G 1/4"	6 x 4
GRL 146 MSV KOR	GRLA 146 MSV KOR	---	G 1/4"	8 x 6
GRL 148 MSV KOR	GRLA 148 MSV KOR	---	G 1/4"	10 x 8

One-way control valves with push-in fittings can be found at:



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PU, PA, PTFE and PE hoses from page 192