



## Non-Return Valves



measuring  
•  
monitoring  
•  
analysing

KUR



- $p_{\max}$ : PN25
- $t_{\max}$ : +110 °C
- Screw thread: G 1/4 ... G 4
- Material:  
Brass, stainless steel



Z1

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### Description

KOBOLD KUR model series non-return valves are used wherever it must be ensured that transferred liquids do not flow back against the prescribed direction of travel, such as due to pump shut-off, slope of the piping, self-arising vacuum conditions, etc.

### Design

Two-part screwed body.

### Mounting position

Any, preferably horizontal or vertical; note specified direction of flow.

### Technical Details

Connections

KUR-TD: Female thread G $\frac{3}{8}$ ... G4

KUR-MR: Female thread G $\frac{1}{4}$ ... G3

Nominal pressure: PN 10... PN 25 (see table)

Temperature range: -20°C... +110°C

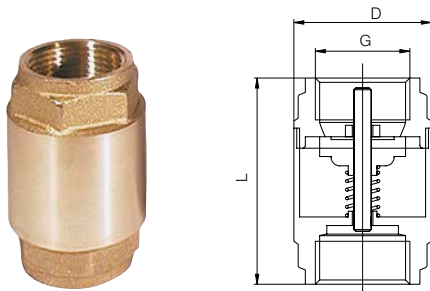
### Materials

Body: KUR-TD: brass Ms 58  
KUR-MR: stainless steel 1.4301

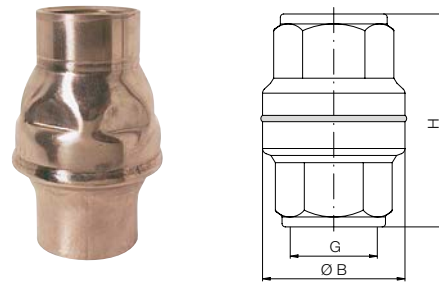
Gasket: KUR-TD: NBR – Delrin  
KUR-MR: FKM

Spring: Stainless steel 1.4310

### KUR-TD



### KUR-MR



### Dimensions and Order Details

#### KUR-TD brass (example: KUR-TDR 10)

| Screw thread [G] | Order no.                | ØD [mm] | L [mm] | Releasing pressure [bar] | Nominal pressure [PN] | Weight [kg] |
|------------------|--------------------------|---------|--------|--------------------------|-----------------------|-------------|
| $\frac{3}{8}$    | KUR-TDR 10 <sup>1)</sup> | 34.5    | 54     | 0.025                    | 25                    | 0.2         |
| $\frac{1}{2}$    | KUR-TDR 15 <sup>1)</sup> | 34.5    | 57     | 0.025                    | 25                    | 0.2         |
| $\frac{3}{4}$    | KUR-TDR 20 <sup>2)</sup> | 41.5    | 64     | 0.025                    | 25                    | 0.3         |
| 1                | KUR-TDR 25 <sup>2)</sup> | 48.0    | 75     | 0.02                     | 25                    | 0.4         |
| 1 $\frac{1}{4}$  | KUR-TDR 32 <sup>2)</sup> | 60.5    | 82     | 0.03                     | 16                    | 0.6         |
| 1 $\frac{1}{2}$  | KUR-TDR 40 <sup>2)</sup> | 71.0    | 93     | 0.015                    | 16                    | 0.8         |
| 2                | KUR-TDR 50 <sup>2)</sup> | 87.0    | 100    | 0.015                    | 16                    | 1.2         |
| 2 $\frac{1}{2}$  | KUR-TDR 65               | 120.0   | 120    | 0.01                     | 10                    | 3.6         |
| 3                | KUR-TDR 80               | 140.0   | 140    | 0.01                     | 10                    | 3.8         |
| 4                | KUR-TDR 1H               | 172.0   | 158    | on request               | 10                    | 4.8         |

#### KUR-MR stainless steel (example: KUR-MRR 08)

| Screw thread [G] | Order no.                | ØB [mm] | H [mm] | Releasing pressure [bar] | Nominal pressure [PN] | Weight [kg] |
|------------------|--------------------------|---------|--------|--------------------------|-----------------------|-------------|
| $\frac{1}{4}$    | KUR-MRR 08 <sup>2)</sup> | 32      | 55     | 0.025                    | 16                    | 0.2         |
| $\frac{3}{8}$    | KUR-MRR 10 <sup>2)</sup> | 32      | 55     | 0.025                    | 16                    | 0.2         |
| $\frac{1}{2}$    | KUR-MRR 15 <sup>2)</sup> | 32      | 55     | 0.025                    | 16                    | 0.1         |
| $\frac{3}{4}$    | KUR-MRR 20 <sup>2)</sup> | 41      | 70     | 0.03                     | 16                    | 0.2         |
| 1                | KUR-MRR 25 <sup>2)</sup> | 52      | 79     | 0.03                     | 16                    | 0.2         |
| 1 $\frac{1}{4}$  | KUR-MRR 32 <sup>3)</sup> | 67      | 96     | 0.03                     | 16                    | 0.4         |
| 1 $\frac{1}{2}$  | KUR-MRR 40 <sup>3)</sup> | 78      | 100    | 0.03                     | 16                    | 0.4         |
| 2                | KUR-MRR 50               | 85      | 118    | 0.03                     | 16                    | 0.7         |
| 2 $\frac{1}{2}$  | KUR-MRR 65               | 107     | 130    | 0.03                     | 16                    | 1.2         |
| 3                | KUR-MRR 80               | 128     | 137    | 0.03                     | 16                    | 1.7         |

<sup>1)</sup> Minimum order quantity: 15 pieces per PO, mixed sizes possible

<sup>2)</sup> Minimum order quantity: 5 pieces per PO, mixed sizes possible

<sup>3)</sup> Minimum order quantity: 2 pieces per PO, mixed sizes possible