

ECON® Globe valve Type: 277 Low zinc bronze Flange PN16

Low-zinc bronze globe valve, with bronze sealing, fixed or loose [SDNR] disc and flange connection, pressure class PN16.

Characteristics

Type: 277

Norm: EN (DIN)

Construction type: Straight

Housing material: Low zinc bronze

Connection: Flange

Flange finish: Flat face

Stem seal type: Gland seal

Sealing: Low zinc bronze

Material disc: G-CuSn10Zn (Rg10)

Primary spindle seal material: Graphite

Material bonnet: G-CuSn10Zn (Rg10)

Bonnet gasket material: PTFE

Minimum medium temperature (continuous): -10 °C

Maximum medium temperature (continuous): 200 °C

Maximum pressure difference at 20 °C: 16 bar

Application

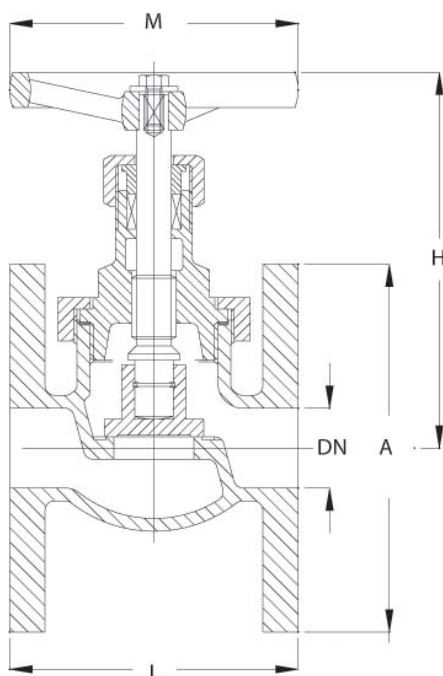
- On board ships (maritime).
- Sea water systems.
- Neutral liquids and gases.
- Hot or cold water, oil (for thermal oil: bellows sealed valve), etc.

Technical Information

- Material CC480K contains max. 0.5% Zinc and was previously called zinc-free.
- Testing: EN 12266-1.
- Screwed bonnet with secured nut.

Options

- Available including inspection and certification by all leading Classification societies.
- Available in standard bronze; type 275.
- Available with regulating disc.

**Size table:**

DN	A	H	L	M	Weight
	mm	mm	mm	mm	kg
DN15	95	113	70	63	1.6
DN20	105	121	80	63	2.2
DN25	115	131	90	80	2.9
DN32	140	141	105	90	4.3
DN40	150	151	120	100	5.5
DN50	165	168	140	125	8
DN65	185	208	180	160	12.5
DN80	200	231	200	200	16.5
DN100	220	275	200	200	22.9

Pressure and temperature range

Size	0-120	200	°C
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Pressure and temperature range										
DN15 - DN100			16		12		[bar]			
Material quality	Nominal inner diameter	Pressure rating	Face to Face norm	Face to Face length mm	Operation	Type of disc	Type of bonnet	Spindle material	Kv value m³/h	Article
G-CuSn10Zn (Rg10)	DN15	PN16	Manufacturer standard	70	Hand wheel, rising with rising stem	Fixed disc	Screwed bonnet with secured nut	CuZn35Ni (SoMs59)	7	14238224
G-CuSn10Zn (Rg10)	DN15	PN16	Manufacturer standard	70	Hand wheel, rising with rising stem	Screw down non-return disc without spring	Screwed bonnet with secured nut	CuZn35Ni (SoMs59)	7	14238233
G-CuSn10Zn (Rg10)	DN20	PN16	Manufacturer standard	80	Hand wheel, rising with rising stem	Fixed disc	Screwed bonnet with secured nut	Bronze (CuSn8)	11.2	14379204
G-CuSn10Zn (Rg10)	DN20	PN16	Manufacturer standard	80	Hand wheel, rising with rising stem	Screw down non-return disc without spring	Screwed bonnet with secured nut	Bronze (CuSn8)	11.2	14379213
G-CuSn10Zn (Rg10)	DN25	PN16	Manufacturer standard	90	Hand wheel, rising with rising stem	Fixed disc	Screwed bonnet with secured nut	Bronze (CuSn8)	20.5	14379205
G-CuSn10Zn (Rg10)	DN25	PN16	Manufacturer standard	90	Hand wheel, rising with rising stem	Screw down non-return disc without spring	Screwed bonnet with secured nut	Bronze (CuSn8)	20.5	14379214
G-CuSn10Zn (Rg10)	DN32	PN16	Manufacturer standard	105	Hand wheel, rising with rising stem	Fixed disc	Screwed bonnet with secured nut	CuZn35Ni (SoMs59)	24	14238227
G-CuSn10Zn (Rg10)	DN32	PN16	Manufacturer standard	105	Hand wheel, rising with rising stem	Screw down non-return disc without spring	Screwed bonnet with secured nut	Bronze (CuSn8)	24	14379215
G-CuSn10Zn (Rg10)	DN40	PN16	Manufacturer standard	120	Hand wheel, rising with rising stem	Fixed disc	Screwed bonnet with secured nut	CuZn35Ni (SoMs59)	39.5	14238228
G-CuSn10Zn (Rg10)	DN40	PN16	Manufacturer standard	120	Hand wheel, rising with rising stem	Screw down non-return disc without spring	Screwed bonnet with secured nut	Bronze (CuSn8)	39.5	14379216
G-CuSn10Zn (Rg10)	DN50	PN16	Manufacturer standard	140	Hand wheel, rising with rising stem	Fixed disc	Screwed bonnet with secured nut	Bronze (CuSn8)	57	14379208
G-CuSn10Zn (Rg10)	DN50	PN16	Manufacturer standard	140	Hand wheel, rising with rising stem	Screw down non-return disc without spring	Screwed bonnet with secured nut	Bronze (CuSn8)	57	14379218
G-CuSn10Zn (Rg10)	DN65	PN16	Manufacturer standard	180	Hand wheel, rising with rising stem	Fixed disc	Screwed bonnet with secured nut	Bronze (CuSn8)	96	14379209
G-CuSn10Zn (Rg10)	DN65	PN16	Manufacturer standard	180	Hand wheel, rising with rising stem	Screw down non-return disc without spring	Screwed bonnet with secured nut	Bronze (CuSn8)	96	14379219
G-CuSn10Zn (Rg10)	DN80	PN16	Manufacturer standard	200	Hand wheel, rising with rising stem	Fixed disc	Screwed bonnet with secured nut	Bronze (CuSn8)	146.5	14379210
G-CuSn10Zn (Rg10)	DN80	PN16	Manufacturer standard	200	Hand wheel, rising with rising stem	Screw down non-return disc without spring	Screwed bonnet with secured nut	Bronze (CuSn8)	146.5	14379220
G-CuSn10Zn (Rg10)	DN100	PN16	Manufacturer standard	230	Hand wheel, rising with rising stem	Fixed disc	Screwed bonnet with secured nut	CuZn35Ni (SoMs59)	250	14238232
G-CuSn10Zn (Rg10)	DN100	PN16	Manufacturer standard	230	Hand wheel, rising with rising stem	Screw down non-return disc without spring	Screwed bonnet with secured nut	CuZn35Ni (SoMs59)	250	14238241

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