



Globe valve Type: 452 Bronze Flange PN16

Characteristics

Type: 452
Norm: EN (DIN)
Construction type: Straight
Housing material: Bronze
Connection: Flange
Flange finish: Raised face
Stem seal type: Gland seal
Spindle material: Brass
Primary spindle seal material: Graphite
Material bonnet: G-CuSn5ZnPb [Rg5]

Characteristics [2]

Bonnet gasket material: Graphite
Actuator material: Cast iron
Minimum medium temperature (continuous): -10 °C
Maximum medium temperature (continuous): 120 °C
Maximum pressure difference at 20 °C: 16 bar

DN	A	H	L	M	Weight
mm	mm	open mm	mm	mm	[kg]
15	95	295	90	100	4,8
20	105	300	150	100	5
25	115	335	160	100	6
32	140	355	180	100	8
40	150	375	200	100	10.3
50	165	400	230	100	12.5
65	185	435	290	140	25
80	200	475	310	140	31
100	220	525	350	160	41
125	250	585	400	160	59
150	285	640	480	200	85
200	340	770	600	200	144
250	395	900	730	395	220
300	445	1240	850	250	328

Size	Pressure rating	Pressure- and temperature range
DN 15 - 150	PN 16	16 bar - 120°C
DN 200 - 300	PN 10	10 bar - 120°C

Material quality	Nominal inner diameter	Pressure rating	Face to Face norm	Face to Face length mm	Operation	Type of disc	Type of bonnet	Sealing	Material disc	Article
G-CuSn5ZnPb [Rg5]	DN25	PN16	EN 558, Series 1	160	Hand wheel	Fixed disc	Flanged	Bronze	CC491K [RG5]	12326039

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Material quality	Nominal inner diameter	Pressure rating	Face to Face norm	Face to Face length mm	Operation	Type of disc	Type of bonnet	Sealing	Material disc	Article
G-CuSn5ZnPb (Rg5)	DN25	PN16	EN 558, Series 1	160	Hand wheel	Screw down non-return disc without spring	Flanged	Bronze	CC491K (RG5)	13427238
G-CuSn5ZnPb (Rg5)	DN32	PN16	EN 558, Series 1	180	Hand wheel	Screw down non-return disc without spring	Flanged	Bronze	CC491K (RG5)	13427239
G-CuSn5ZnPb (Rg5)	DN40	PN16	EN 558, Series 1	200	Hand wheel	Fixed disc	Flanged	Bronze	CC491K (RG5)	13427240
G-CuSn5ZnPb (Rg5)	DN40	PN16	EN 558, Series 1	200	Hand wheel	Screw down non-return disc without spring	Flanged	Bronze	CC491K (RG5)	12406525
G-CuSn5ZnPb (Rg5)	DN50	PN16	EN 558, Series 1	230	Hand wheel	Screw down non-return disc without spring	Flanged	Bronze	CC491K (RG5)	13427241
G-CuSn5ZnPb (Rg5)	DN65	PN16	EN 558, Series 1	290	Hand wheel	Fixed disc	Flanged	Bronze	CC491K (RG5)	13427242
G-CuSn5ZnPb (Rg5)	DN80	PN16	EN 558, Series 1	310	Hand wheel	Screw down non-return disc without spring	Flanged	Bronze	CC491K (RG5)	13427243
G-CuSn5ZnPb (Rg5)	DN100	PN16	EN 558, Series 1	350	Hand wheel	Fixed disc	Flanged	Bronze	CC491K (RG5)	12609664

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