



ECON® Globe valve Type: 251 Bronze Internal thread (BSPP) PN25

Bronze globe valve, with PTFE sealing, fixed or loose (SDNR) disc and BSP thread ends, pressure class PN25.

Characteristics

Type: 251

Norm: EN (DIN)

Construction type: Straight

Housing material: Bronze

Connection: Internal thread (BSPP)

Standard thread connection: ISO 228-1

Stem seal type: Gland seal

Material disc: CC491K (RG5)

Spindle material: CuZn35Ni (SoMs59)

Primary spindle seal material: Graphite

Material bonnet: CC491K (RG5)

Bonnet gasket material: PTFE

Actuator material: Cast iron

Minimum medium temperature (continuous): -10 °C

Maximum medium temperature (continuous): 200 °C

Maximum pressure difference at 20 °C: 25 bar

Application

- General Industry.
- On board ships (maritime).
- HVAC applications.
- Neutral liquids and gases.
- Steam (max. 6 bar), condensate, hot or cold water, oil [for thermal oil: bellows sealed valve], etc.
- Recommended in: Utilities

Technical Information

- Testing: EN 12266-1.
- Screwed bonnet with secured nut.

Options

- Available including inspection and certification by all leading Classification societies.

DN [mm]	D BSP	H [mm]	L [mm]	ØM [mm]	Weight [kg]
8	1/4"	107	60	63	0.05
10	3/8"	107	60	63	0.5
15	1/2"	107	65	63	0.7
20	3/4"	121	75	80	1
25	1"	131	90	80	1.4
32	1.1/4"	141	105	90	2
40	1.1/2"	151	120	100	2.7
50	2"	168	145	125	4.4

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Pressure and temperature range				
-10	0	120	180	[°C]
25	25	25	11.3	[bar]

Material quality	Nominal inner diameter	Pressure rating	Face to Face norm	Face to Face length mm	Operation	Type of disc	Type of bonnet	Sealing	Kv value m³/h	Article
CC491K [RG5]	1/4" [8]	PN25	Manufacturer standard	60	Hand wheel, rising with rising stem	Fixed disc	Screwed and gland nut	PTFE	2.9	14028270
CC491K [RG5]	1/4" [8]	PN25	Manufacturer standard	60	Hand wheel, rising with rising stem	Screw down non-return disc without spring	Screwed and gland nut	PTFE	2.9	14028290
CC491K [RG5]	3/8" [10]	PN25	Manufacturer standard	60	Hand wheel, rising with rising stem	Fixed disc	Screwed and gland nut	PTFE	2.9	14028272
CC491K [RG5]	3/8" [10]	PN25	Manufacturer standard	60	Hand wheel, rising with rising stem	Screw down non-return disc without spring	Screwed and gland nut	PTFE	2.9	14028291
CC491K [RG5]	1/2" [15]	PN25	Manufacturer standard	65	Hand wheel, rising with rising stem	Fixed disc	Screwed and gland nut	PTFE	6.2	14028283
CC491K [RG5]	1/2" [15]	PN25	Manufacturer standard	65	Hand wheel, rising with rising stem	Screw down non-return disc without spring	Screwed and gland nut	PTFE	6.2	14028292
CC491K [RG5]	3/4" [20]	PN25	Manufacturer standard	75	Hand wheel, rising with rising stem	Fixed disc	Screwed and gland nut	PTFE	9.5	14028284
CC491K [RG5]	3/4" [20]	PN25	Manufacturer standard	75	Hand wheel, rising with rising stem	Screw down non-return disc without spring	Screwed and gland nut	PTFE	9.5	14028293
CC491K [RG5]	1" [25]	PN25	Manufacturer standard	90	Hand wheel, rising with rising stem	Fixed disc	Screwed and gland nut	PTFE	17.8	14028285
CC491K [RG5]	1" [25]	PN25	Manufacturer standard	90	Hand wheel, rising with rising stem	Screw down non-return disc without spring	Screwed and gland nut	PTFE	17.8	14028294
CC491K [RG5]	1.1/4" [32]	PN25	Manufacturer standard	105	Hand wheel, rising with rising stem	Fixed disc	Screwed and gland nut	PTFE	21	14028287
CC491K [RG5]	1.1/4" [32]	PN25	Manufacturer standard	105	Hand wheel, rising with rising stem	Screw down non-return disc without spring	Screwed and gland nut	PTFE	21	14028295
CC491K [RG5]	1.1/2" [40]	PN25	Manufacturer standard	120	Hand wheel, rising with rising stem	Fixed disc	Screwed and gland nut	PTFE	35	14028288
CC491K [RG5]	1.1/2" [40]	PN25	Manufacturer standard	120	Hand wheel, rising with rising stem	Screw down non-return disc without spring	Screwed and gland nut	PTFE	35	14028296
CC491K [RG5]	2" [50]	PN25	Manufacturer standard	145	Hand wheel, rising with rising stem	Fixed disc	Screwed and gland nut	PTFE	42	14028289
CC491K [RG5]	2" [50]	PN25	Manufacturer standard	145	Hand wheel, rising with rising stem	Screw down non-return disc without spring	Screwed and gland nut	PTFE	42	14028297

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