

Fig. 609  
Bronze

**FEATURES AND BENEFITS**

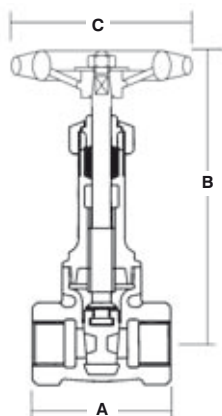
- Robust and high quality bronze body with integral seating surfaces
- Inside screw pattern with rising stem
- Suitable for high pressures up to 32 bar



**MATERIAL SPECIFICATION**

Component	Material	Specification	
		BS EN	ASTM
Body	Bronze	1982 CC491K	B62 C83600
Bonnet	Bronze	1982 CC491K	B62 C83600
Stem (1/4" to 2")	Bronze	1982 CC491K	B62 C83600
Stem (2 1/2")	AL. Brass (CA 12)	12163 CW301G	
Stem (3")	Bronze	1982 CC491K	B62 C83600
Disc	Bronze	1982 CC491K	B62 C83600
Packing Ring	Asbestos Free		
Gland	Brass	12164 CW614N	
Packing Nut (2 1/2" & 3")	Brass	12164 CW721R	
Packing Nut (1/4" to 2")	Brass	12164 CW614N	
Handwheel	Aluminium		
Identification Plate	Aluminium		
Handwheel Nut	Brass	12164 CW614N	

**DIMENSIONAL DRAWINGS**



**DIMENSIONS AND WEIGHTS**

Nom Size	in	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
A	mm	46	46	51	55	63	71	73	83	108	117
B (open)	mm	129	129	133	162	191	223	253	307	374	436
C	mm	60	70	70	80	85	95	105	120	140	180
Weight	kg	0.35	0.40	0.50	0.75	1.30	1.70	2.60	3.50	6.00	8.80

**PRESSURE/TEMPERATURE RATING**

14 bar at 198°C  
32 bar from -10 to 100°C

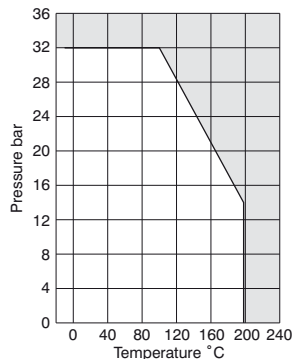
**TEST PRESSURES (HYDRAULIC)**

Each valve is individually hydrostatically tested to BS EN 12266 at the following test pressures.

Shell: 48 bar  
Seat: 35.2 bar

**SPECIFICATION**

- Rising stem.
- Threaded bonnet.
- One piece wedge.
- Bronze trim.
- Taper threaded BS EN 10226 (ISO 7-1) formerly BS 21.
- Complies with BS EN 12288:2010.



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