

**Fig. 5N - 5NLS**  
**Bronze Needle**

**FEATURES AND BENEFITS**

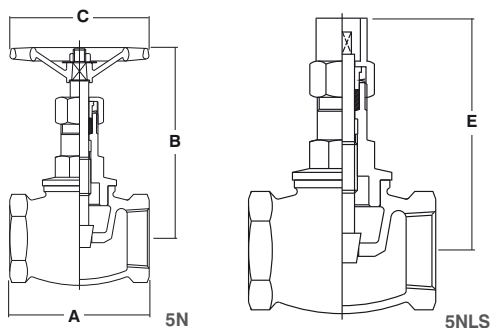
- High quality bronze body with robust spherical shape
- Rising stem and screwed bonnet
- Assures accurate flow regulation/control
- Suitable for high pressures up to 32 bar



**MATERIAL SPECIFICATION**

Component	Material	Specification	
		BS EN	ASTM
Body	Cast Bronze	1982 CC491K	B62 C83600
Stem	Brass	12164 CW617N	B124 Alloy 2
Stem Packing	Teflon	PTFE	
Bonnet	Cast Bronze	1982 CC491K	B62 C83600
Packing Nut	Brass	12164 CW614N	B455 C38500
Handwheel	Aluminium		
Identification Plate	Aluminium		
Handwheel Nut	Brass	12164 CW614N	B455 C38500

**DIMENSIONAL DRAWINGS**



**DIMENSIONS AND WEIGHTS**

Nom Size	in	1/4	3/8	1/2	3/4	1
A	mm	51	51	60	74	86
B (open)	mm	72	72	92	108	118
C	mm	57	57	68	75	82
E	mm	75	75	95	111	121
Lockshield key	Fig.	391	391	391	391	391
	Ref	IP	IP	IP	IP	IP
Weight	kg	0.2	0.2	0.4	0.6	0.9

**PRESSURE/TEMPERATURE RATING**

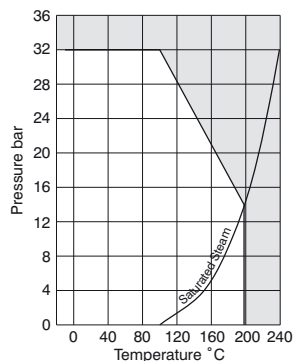
BS 5154: 1991 PN32 Series B  
14 bar at 198°C  
32 bar from -10 to 100°C

**TEST PRESSURES (PNEUMATIC)**

Body: 6 bar  
Seat: 6 bar

**SPECIFICATION**

Rising stem.  
Screwed bonnet.  
Taper threaded BS EN 10226 (ISO 7-1) formerly BS 21.



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