



QUALITY RELIABILITY & SERVICE ASSURED

## SECTION 3b

# Cast Iron and Ductile Iron Globe Valves

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## Contents

### Cast Iron and Ductile Iron Globe Valves

<b>Contents</b>	<b>Page</b>
Figure Number Index	2
Cast Iron & Ductile Iron Globe Valves Introduction	3
Cast Iron & Ductile Iron Globe Valves Data Sheets	4

<b>Fig No</b>	<b>Page</b>
73   PN16	4
73   ANSI	4

We have endeavoured in this catalogue to make the information as accurate as possible, but we cannot accept any responsibility should it be found that in any respect the information is inaccurate or incomplete or becomes so as a result of further development.

## Introduction

### Cast Iron and Ductile Iron Globe Valves

Hattersley cast iron globe valves are of the outside screw straight pattern. Valve bodies are made from high grade cast iron and have integral flanges.

Valves are supplied with asbestos free gland packing and gaskets.

Fig no	PN Rating	Class Rating	End Connections	Size Range	Pattern	Standard Trim Material
M731PN16	16	-	Flanged	50-300mm	Straight	Bronze
731ANSI	-	125	Flanged	2-12in	Straight	Bronze

**Fig. 73 IPN16**
**Cast Iron Globe Valve  
PN16**
**Pressure/Temperature Rating**

16 bar from -10 to 120°C  
11.8 bar at 230°C

**Test Pressures (Hydraulic)**

Body: 24 bar  
Seat: 17.6 bar

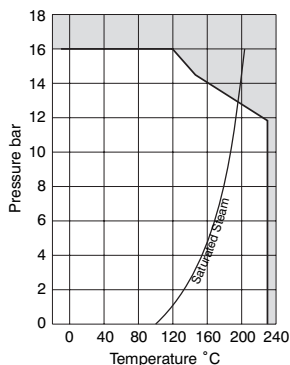
**Class 125**

Shell: 24.1 bar  
Seat: 15.2 bar

**Specification**

BS EN 13789  
Face to face dimensions  
BS EN 588-1 Basic Series 10  
Cast iron body and bonnet  
Outside screw, rising stem  
Copper alloy trim  
Sizes DN125 to DN300 have a centre  
guided disk  
Handwheel operated  
Flanged to BS EN 1092-2 PN16

Also available flanged  
BS 5152 ANSI 125 Fig.731 ANSI


**Material Specification**

Component	Material	Specification	
		BS EN	ASTM
Handwheel	Cast Iron	1561 EN-JL1030	A126 CIB
Yoke Bush	Bronze	1982 CC491K	B62 C83600
Stem	Brass	12164 CW603R	B16 C36000
Gland Flange	Ductile Iron	1563 EN-JS1030	A536 65-45-12
Gland Follower	Bronze	1982 CC491K	B62 C83600
Gland Packing	Graphite		
Bonnet	Cast Iron	1561 EN-JL1040	A126 CIB
Bonnet Gasket	Graphite		
Disk Stem Nut	Bronze	1982 CC491K	B62 C83600
Disk	Bronze	1982 CC491K	B584 C83600
Body Seat Ring	Bronze	1982 CC491K	B584 C83600
Body	Cast Iron	1561 EN-JL1040	A126 CIB

**Dimensions**

Nominal Size	mm	50	65	80	100	125	150	200	250	300
A	mm	203	216	241	292	330	356	495	622	698
B (open)	mm	259	300	318	402	419	479	537	640	733
C	mm	178	178	200	254	300	300	348	400	457
Weight	kg	16	21	26	44	62	83	141	221	295

