

Cryogenic, Steam, Water, Air & Gases
Max Working Pressure 5.0Mpa (725 psi)
Working Temperature -196°C to +120°C



Mack's revolutionary new 6E series of globe valves prove that innovation is still alive and well in the valve industry. World first QR code digital asset tracking, brand new tamper proof handles, and top-works interoperability with other leading brand valve bodies make the 6E range unique.

The QR Code digital asset tracking means that asset ID permanently resides with the asset in the field, and can be accessed with any standard mobile device. Relying on the durability of a tag is now a thing of the past!

The 6E globe valve can be used across a variety of industries, and configured as a Check, Screw Down Non-Return, Gas Globe, Ball Float, and Strainer. Its interoperability ensures a need to carry minimum levels of spares within the work-site.

SELECTION & APPLICATION

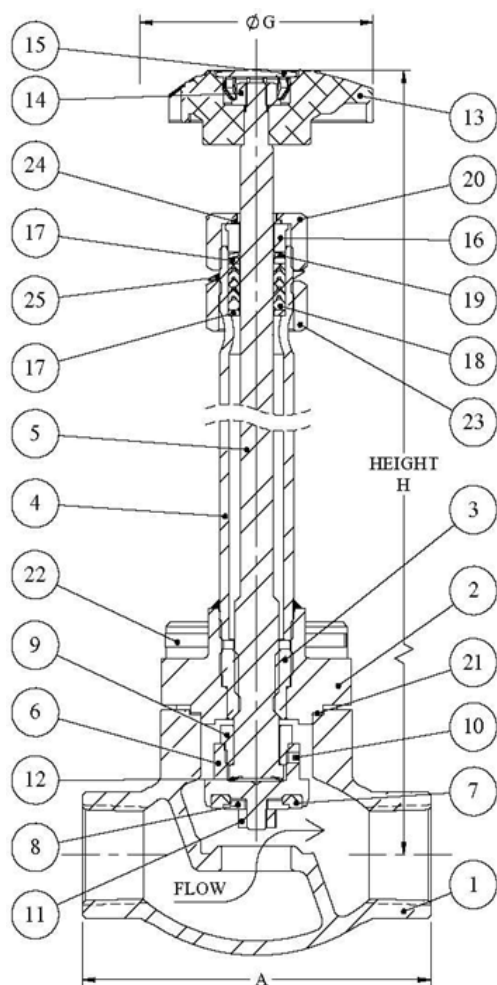
The 6E series is suitable for multiple services and available in sizes from 15mm to 50mm with BSPT, NPT, socket/butt-weld ends. Various materials (ie. monel, etc), schedule pipe and connections are available on request.

PRODUCT NUMBERING

Interoperable Globe Valves											
6E	#	-	###						##	-	###
Base No.	Type	-	Material of Construction						End Connection		- Size
			Body, Bonnet		Trim		Seals				
6E	1		1	Bronze	2	BR	1	PTFE, Carbon Filled	08	Rc - BSPT	015
	2		3	Stainless Steel	3	SS	2	Hard, Graphite	8A	NPT	020
	3								8S	Socket Weld Tube	025
	4								1A	ANSI 150	040
	5								3A	ANSI 300	050
	6										
	7										

NB: 6E1 standard stem lengths for Cryogenic application; 15,20,25mm are 270mm, 40,50mm are 370mm
Flanges are also available on all sizes

All build options are available from Mack on special order, thus enabling clients to create their own specifications for their own specific needs, but our stock is based around common material specifications favoured by the cryogenic, steam and general process industries.



ITEM NO.	DESCRIPTION
1	Body
2	Bonnet
3	Threaded Bush
4	Bonnet Ext. Pipe
5	Spindle
6	Disc Holder
7	Disc
8	Disc Retaining Washer
9	Spindle Retaining Nut
10	Grub Screw
11	Hex Nut
12	Spring Washer
13	Handwheel
14	Flange Nut
15	Hub Cap
16	Gland
17	Gland Washer
18	Gland Packing
19	Ribbed Washer
20	Gland Nut
21	Gasket
22	SHCS
23	QR Code Holder
24	Gland Wiper
25	Wave Washer

Dimensions & Properties

	Face to Face			"H=270"		"H=370"		Handwheel ØG	Cv US Gal/Min	Kv m ³ /hr	Weight (Kg)	
	NPT/BSPT	Socket Weld	Butt Weld Sched 10/40	CLOSED	OPEN	CLOSED	OPEN				270mm	370mm
15mm	85	85	85	258	271	358	371	70	5.0	4.3	1.3	1.4
20mm	100	100	100	258	274	358	374	70	7.9	6.8	1.8	1.9
25mm	115	115	115	258	274	358	374	102	13.7	11.8	2.1	2.2
40mm	130	130	130	258	280	358	380	120	26.2	22.5	3.91	4.1
50mm	155	155	155	258	288	358	388	120	43.1	37.0	5.46	5.7

Notes:

- 1) 15mm, 20mm, 25mm with a 270mm stem, and 40mm & 50mm with 300mm stem
- 2) Degreased, packed and labelled for Oxygen Services (ASTM G93)
- 3) Designed in accordance with EN12516 part 1&2, AS1210, EN1626, ASME B16.34
- 4) End Connection: ISO 7-1, ASME B1.20.1, ASME B 16.11, ASME B16.25
- 5) Tested to ISO 5208, API 598, Pressure Equipment Directive (97/23/EC)

