

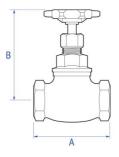
1031 Bronze Globe Valve



Bronze globe valve BS 5154 PN32 Series B, Metal Disk

Pattern No. key :Standard Thread = BS21 Taper, AT = American Thread, PT = Parallel Thread

Size	Pattern No.	Pack 1 Qty	Code	Barcode	Discontinued
1/4	1031	10	112005	5013866013263	01/07/2003
3/8	1031	10	112006	5013866013270	01/07/2003
1/2	1031	10	112007	5013866013287	
3/4	1031	5	112008	5013866013294	
1	1031	5	112009	5013866013300	
1 1/4	1031	2	112010	5013866013317	
1 1/2	1031	2	112011	5013866013324	
2	1031	1	112012	5013866001734	
2 1/2	1031	1	112013	5013866001741	01/07/2003
3	1031	1	112014	5013866001758	01/07/2003
4	1031	1	112015	5013866001765	30/04/2003
1/4	1031 AT	10	112025	753818003632	01/07/2003
3/8	1031 AT	10	112026	753818003649	01/07/2003
1/2	1031 AT	0	112027	5022050287786	08/07/2008
3/4	1031 AT	0	112028	5022050318374	08/07/2008
1	1031 AT	0	112029	5022050287854	08/07/2008
1 1/4	1031 AT	2	112030	753818003687	31/10/2004
1 1/2	1031 AT	0	112031	5022050318435	21/07/2006
2	1031 AT	0	112032	5022050287922	21/07/2006
1/4	1031 PT	10	112045	5013866013331	01/07/2003
3/8	1031 PT	10	112046	5013866013348	01/07/2003
1/2	1031 PT	1	112047	5022050228031	21/07/2006
3/4	1031 PT	0	112048	5022050288004	21/07/2006
1	1031 PT	1	112049	5022050228093	21/07/2006
1 1/4	1031 PT	0	112050	5022050288073	21/07/2006
1 1/2	1031 PT	0	112051	5022050318497	21/07/2006
2	1031 PT	1	112052	5013866001840	21/07/2006



DIMENSIONS	(mm)			
Code	Description	Α	В	Kg
112005	1/4 1031 GM GLOBE VALVE	44	76	0.20
112006	3/8 1031 GM GLOBE VALVE	46	76	0.20
112007	1/2 1031 GM GLOBE VALVE	57	95	0.39
112008	3/4 1031 GM GLOBE VALVE	65	98	0.55
112009	1 1031 GM GLOBE VALVE	78	114	0.87
112010	1.1/4 1031 GM GLOBE VALVE	89	138	1.45
112011	1.1/2 1031 GM GLOBE VALVE	100	159	1.83
112012	2 1031 GM GLOBE VALVE	121	170	2.61
112013	2.1/2 1031 GM GLOBE VALVE	159	205	6.37
112014	3 1031 GM GLOBE VALVE	187	235	8.91
112015	4 1031 GM GLOBE VALVE	235	280	16.71
112025	1/4 1031 AT GM GLOBE VALVE	44	76	0.20
112026	3/8 1031 AT GM GLOBE VALVE	46	76	0.20
112027	1/2 1031 AT GM GLOBE VALVE	57	95	0.38
112028	3/4 1031 AT GM GLOBE VALVE	65	98	0.54
112029	1 1031 AT GM GLOBE VALVE	78	114	0.84
112030	1.1/4 1031 AT GM GLOBE VALVE	89	138	1.36
112031	1.1/2 1031 AT GM GLOBE VALVE	100	159	1.84
112032	2 1031 AT GM GLOBE VALVE	121	170	2.80
112045	1/4 1031 PT GM GLOBE VALVE	44	76	0.20
112046	3/8 1031 PT GM GLOBE VALVE	46	76	0.20
112047	1/2 1031 PT GM GLOBE VALVE	57	95	0.38
112048	3/4 1031 PT GM GLOBE VALVE	65	98	0.54
112049	1 1031 PT GM GLOBE VALVE	78	114	0.84
112050	1.1/4 1031 PT GM GLOBE VALVE	89	138	1.36
112051	1.1/2 1031 PT GM GLOBE VALVE	100	159	1.84
112052	2 1031 PT GM GLOBE VALVE	121	170	2.80

PRESSURE & TEMPERATURE 1031 Bronze Globe Valve Minimum Operating Maximum Cold Working Maximum Hot				
		Maximum Cold Working Pressure (bar)	Maximum Hot Working Pressure (bar)	
1/2 1031 PT GM GLOBE VALVE	No Minimum Operating Pressure	32.0 bar at temperatures up to 100oC	14.0 bar at temperatures up to 198oC	

MATERIAL SPECIFICATION	IS	
Number	Component	Material
1	Body	Gunmetal
2	Bonnet	Forged Brass
3	Stem	Brass Bar
4	Disk Ring	Brass Bar
5	Disk	Brass Bar
6	Gland	Brass Bar
7	Gland Nut	Brass Bar
8	Packing	PIFE
9	Handwheel	Aluminium
10	Handwheel Nut	Brass Bar
11	Rating Disc	Aluminium

SPARES



1											
Pattern / Size	Description	Code	Barcode	Date From	Date To						
1031 / 1/4	WN1 HANDWHEEL NUT BRASS (M5)	850481	5013866060977	01/01/1900	current						
1031 / 3/8	WN1 HANDWHEEL NUT BRASS (M5)	850481	5013866060977	01/01/1900	current						
1031 / 1/2	WN2 HANDWHEEL NUT BRASS (M6)	850482	5013866060984	01/01/1900	current						
1031 / 3/4	WN2 HANDWHEEL NUT BRASS (M6)	850482	5013866060984	01/01/1900	current						
1031 / 1	WN2 HANDWHEEL NUT BRASS (M6)	850482	5013866060984	01/01/1900	current						
1031 / 1.1/4	WN2 HANDWHEEL NUT BRASS (M6)	850482	5013866060984	01/01/1900	current						
1031 / 1.1/2	WN2 HANDWHEEL NUT BRASS (M6)	850482	5013866060984	01/01/1900	current						
1031 / 2	WN14 HANDWHEEL NUT BRASS (M8)	850512	5013866061141	01/09/1999	current						
1031 / 2	WN3 HANDWHEEL NUT BRASS (5/16 UNC)	851411	5013866063923	01/01/1990	31/08/1999						
1031 / 2.1/2	WN4 HANDWHEEL NUT BRASS (3/8 UNC)	851412	5013866063930	01/01/1900	current						
1031 / 3	WN5 HANDWHEEL NUT BRASS (7/16 UNC)	850483	5013866060991	01/01/1900	current						
1031 / 4	WN6 HANDWHEEL NUT BRASS (1/2 UNC)	850484	5013866061004	01/01/1900	current						
1031 PT / 1/4	WN1 HANDWHEEL NUT BRASS (M5)	850481	5013866060977	01/01/1900	current						
1031 PT / 3/8	WN1 HANDWHEEL NUT BRASS (M5)	850481	5013866060977	01/01/1900	current						
1031 PT / 1/2	WN2 HANDWHEEL NUT BRASS (M6)	850482	5013866060984	01/01/1900	current						
1031 PT / 3/4	WN2 HANDWHEEL NUT BRASS (M6)	850482	5013866060984	01/01/1900	current						
1031 PT / 1	WN2 HANDWHEEL NUT BRASS (M6)	850482	5013866060984	01/01/1900	current						
1031 PT / 1.1/4	WN2 HANDWHEEL NUT BRASS (M6)	850482	5013866060984	01/01/1900	current						
1031 PT / 1.1/2	WN2 HANDWHEEL NUT BRASS (M6)	850482	5013866060984	01/01/1900	current						
1031 PT/2	WN3 HANDWHEEL NUT BRASS (5/16 UNC)	851411	5013866063923	01/01/1990	31/08/1999						
1031 PT / 2	WN14 HANDWHEEL NUT BRASS (M8)	850512	5013866061141	01/09/1999	current						

		2			
Pattern / Size	Description	Code	Barcode	Date From	Date To
1031 / 1/4	RATING DISC 1031 - SIZE 1	850459	5013866060793	01/01/1900	current
1031 / 3/8	RATING DISC 1031 - SIZE 1	850459	5013866060793	01/01/1900	current
1031 / 1/2	RATING DISC 1031 - SIZE 1	850459	5013866060793	01/01/1900	current
1031 / 3/4	RATING DISC 1031 - SIZE 1	850459	5013866060793	01/01/1900	current
1031 / 1	RATING DISC 1031 - SIZE 1	850459	5013866060793	01/01/1900	current
1031 / 1.1/4	RATING DISC 1031 - SIZE 1	850459	5013866060793	01/01/1900	current
1031 / 1.1/2	RATING DISC 1031 - SIZE 1	850459	5013866060793	01/01/1900	current
1031 / 2	RATING DISC 1031 - SIZE 2	850460	5013866060809	01/01/1900	current
1031 / 2.1/2	RATING DISC 1031 - SIZE 3	850261	5013866059810	01/01/1900	current
1031 / 3	RATING DISC 1031 - SIZE 3	850261	5013866059810	01/01/1900	current
1031 / 4	RATING DISC 1031 - SIZE 3	850261	5013866059810	01/01/1900	current
1031 PT / 1/4	RATING DISC 1031 - SIZE 1	850459	5013866060793	01/01/1900	current
1031 PT / 3/8	RATING DISC 1031 - SIZE 1	850459	5013866060793	01/01/1900	current
1031 PT / 1/2	RATING DISC 1031 - SIZE 1	850459	5013866060793	01/01/1900	current
1031 PT / 3/4	RATING DISC 1031 - SIZE 1	850459	5013866060793	01/01/1900	current
1031 PT / 1	RATING DISC 1031 - SIZE 1	850459	5013866060793	01/01/1900	current
1031 PT / 1.1/4	RATING DISC 1031 - SIZE 1	850459	5013866060793	01/01/1900	current
1031 PT / 1.1/2	RATING DISC 1031 - SIZE 1	850459	5013866060793	01/01/1900	current
1031 PT / 2	RATING DISC 1031 - SIZE 2	850460	5013866060809	01/01/1900	current

		3			
Pattern / Size	Description	Code	Barcode	Date From	Date To
1031 / 1/4	W1 HANDWHEEL (RED)	850100	5013866059513	01/01/1900	current
1031 / 3/8	W1 HANDWHEEL (RED)	850100	5013866059513	01/01/1900	current
1031 / 1/2	W3 HANDWHEEL (RED)	850101	5013866059520	01/05/2000	current
1031 / 1/2	W4 HANDWHEEL (RED)	850102	5013866059537	01/01/1990	30/04/2000
1031 / 3/4	W4 HANDWHEEL (RED)	850102	5013866059537	01/01/1900	current
1031 / 1	W5 HANDWHEEL (RED)	850103	5013866059544	01/01/1900	current
1031 / 1.1/4	W6 HANDWHEEL (RED)	850104	5013866059551	01/01/1900	current
1031 / 1.1/2	W7 HANDWHEEL (RED)	850105	5013866059568	01/01/1900	current
1031 / 2	W8 HANDWHEEL (RED)	850106	5013866059575	01/01/1900	current
1031 / 2.1/2	W10 HANDWHEEL (RED)	850107	5013866059582	01/01/1900	current
1031 / 3	W12 HANDWHEEL (RED)	850108	5013866059599	01/01/1900	current
1031 / 4	W14 HANDWHEEL (RED)	850109	5013866059605	01/01/1900	current
1031 PT / 1/4	W1 HANDWHEEL (RED)	850100	5013866059513	01/01/1900	current
1031 PT / 3/8	W1 HANDWHEEL (RED)	850100	5013866059513	01/01/1900	current
1031 PT / 1/2	W4 HANDWHEEL (RED)	850102	5013866059537	01/01/1990	30/04/2000
1031 PT / 1/2	W3 HANDWHEEL (RED)	850101	5013866059520	01/05/2000	current
1031 PT / 3/4	W4 HANDWHEEL (RED)	850102	5013866059537	01/01/1900	current
1031 PT / 1	W5 HANDWHEEL (RED)	850103	5013866059544	01/01/1900	current
1031 PT / 1.1/4	W6 HANDWHEEL (RED)	850104	5013866059551	01/01/1900	current
1031 PT / 1.1/2	W7 HANDWHEEL (RED)	850105	5013866059568	01/01/1900	current
1031 PT / 2	W8 HANDWHEEL (RED)	850106	5013866059575	01/01/1900	current

		4			
Pattern / Size	Description	Code	Barcode	Date From	Date To
1031 / 1/4	GN1 GLAND NUT	850310	5013866059889	01/01/1990	30/04/2000
1031 / 3/8	GN1 GLAND NUT	850310	5013866059889	01/01/1990	30/04/2000
1031 / 1/2	GN3 GLAND NUT	842046	5013866059117	01/01/1900	current
1031 / 3/4	GN3 GLAND NUT	842046	5013866059117	01/01/1990	30/04/2000
1031 / 1	GN4 GLAND NUT	842048	5013866059124	01/01/1990	30/04/2000
1031 / 1.1/4	GN5 GLAND NUT	850311	5013866059896	01/01/1990	30/04/2000
1031 / 1.1/2	GN6 GLAND NUT	851070	5013866063879	01/01/1990	30/04/2000
1031 / 2	GN7 GLAND NUT	851205	5013866063909	01/01/1990	30/04/2000
1031 / 2.1/2	GN23 GLAND NUT	851029	5013866063862	01/01/1900	current
1031 / 3	GN24 GLAND NUT	852907	5013866063985	01/01/1900	current
1031 / 4	GN16 GLAND NUT	850318	5013866059957	01/01/1900	current
1031 PT / 1/4	GN1 GLAND NUT	850310	5013866059889	01/01/1990	30/04/2000
1031 PT / 3/8	GN1 GLAND NUT	850310	5013866059889	01/01/1990	30/04/2000
1031 PT / 1/2	GN3 GLAND NUT	842046	5013866059117	01/01/1900	current
1031 PT / 3/4	GN3 GLAND NUT	842046	5013866059117	01/01/1990	30/04/2000
1031 PT / 1	GN4 GLAND NUT	842048	5013866059124	01/01/1990	30/04/2000
1031 PT / 1.1/4	GN5 GLAND NUT	850311	5013866059896	01/01/1990	30/04/2000
1031 PT / 1.1/2	GN6 GLAND NUT	851070	5013866063879	01/01/1990	30/04/2000
1031 PT / 2	GN7 GLAND NUT	851205	5013866063909	01/01/1990	30/04/2000

	4A											
Pattern / Size	Description	Code	Barcode	Date From	Date To							
1031 / 1/4	GN62 GLAND NUT (CHAMFERED)	850790	5013866062292	01/05/2000	current							
1031 / 3/8	GN62 GLAND NUT (CHAMFERED)	850790	5013866062292	01/05/2000	current							
1031 / 1/2	GN8 GLAND NUT	850312	5013866059902	01/05/2000	current							
1031 / 3/4	GN8 GLAND NUT	850312	5013866059902	01/05/2000	current							
1031 / 1	GN63 GLAND NUT (CHAMFERED)	850791	5013866062308	01/05/2000	current							
1031 / 1.1/4	GN64 GLAND NUT (CHAMFERED)	850792	5013866062315	01/05/2000	current							
1031 / 1.1/2	GN65 GLAND NUT (CHAMFERED)	850793	5013866062322	01/05/2000	current							
1031 / 2	GN66 GLAND NUT (CHAMFERED)	850794	5013866062339	01/05/2000	current							
1031 PT / 1/4	GN62 GLAND NUT (CHAMFERED)	850790	5013866062292	01/05/2000	current							
1031 PT / 3/8	GN62 GLAND NUT (CHAMFERED)	850790	5013866062292	01/05/2000	current							
1031 PT / 1/2	GN8 GLAND NUT	850312	5013866059902	01/05/2000	current							
1031 PT / 3/4	GN8 GLAND NUT	850312	5013866059902	01/05/2000	current							
1031 PT / 1	GN63 GLAND NUT (CHAMFERED)	850791	5013866062308	01/05/2000	current							
1031 PT / 1.1/4	GN64 GLAND NUT (CHAMFERED)	850792	5013866062315	01/05/2000	current							
1031 PT / 1.1/2	GN65 GLAND NUT (CHAMFERED)	850793	5013866062322	01/05/2000	current							
1031 PT / 2	GN66 GLAND NUT (CHAMFERED)	850794	5013866062339	01/05/2000	current							

			5		
Pattern / Size	Description	Code	Barcode	Date From	Date To
1031 / 1/4	G1 GLAND	855236	5013866065163	01/01/1900	current
1031 / 3/8	G1 GLAND	855236	5013866065163	01/01/1900	current
1031 / 1/2	G3 GLAND	842043	5013866059094	01/01/1900	current
1031 / 3/4	G3 GLAND	842043	5013866059094	01/01/1900	current
1031 / 1	G4 GLAND	842045	5013866059100	01/01/1900	current
1031 / 1.1/4	G5 GLAND	850301	5013866059827	01/01/1900	current
1031 / 1.1/2	G6 GLAND	850302	5013866059834	01/01/1900	current
1031 / 2	G7 GLAND	850303	5013866059841	01/01/1900	current
1031 / 3	G14 GLAND	852160	5013866063961	01/01/1900	current
1031 / 4	G9 GLAND	850306	5013866059858	01/01/1900	current
1031 PT / 1/4	G1 GLAND	855236	5013866065163	01/01/1900	current
1031 PT / 3/8	G1 GLAND	855236	5013866065163	01/01/1900	current
1031 PT / 1/2	G3 GLAND	842043	5013866059094	01/01/1900	current
1031 PT / 3/4	G3 GLAND	842043	5013866059094	01/01/1900	current
1031 PT / 1	G4 GLAND	842045	5013866059100	01/01/1900	current
1031 PT / 1.1/4	G5 GLAND	850301	5013866059827	01/01/1900	current
1031 PT / 1.1/2	G6 GLAND	850302	5013866059834	01/01/1900	current
1031 PT / 2	G7 GLAND	850303	5013866059841	01/01/1900	current

	6				
Pattern / Size	Description	Code	Barcode	Date From	Date To
1031 / 1/4	GP2 GLAND PACKING	855248	5013866065217	01/01/1900	current
1031 / 3/8	GP2 GLAND PACKING	855248	5013866065217	01/01/1900	current
1031 / 1/2	GP3 GLAND PACKING	842040	5013866059070	01/01/1900	current
1031 / 3/4	GP3 GLAND PACKING	842040	5013866059070	01/01/1900	current
1031 / 1	GP4 GLAND PACKING	842042	5013866059087	01/01/1900	current
1031 / 1.1/4	GP5 GLAND PACKING	850006	5013866059292	01/01/1900	current
1031 / 1.1/2	GP6 GLAND PACKING	850079	5013866059506	01/01/1900	current
1031 / 2.1/2	GP24 GLAND PACKING	852950	5013866064029	01/01/1900	current
1031 / 3	GP25 GLAND PACKING - DISCONTINUED	852953	5013866064036	01/01/1900	current
1031 / 4	GP15 GLAND PACKING	850330	5013866060052	01/01/1900	current
1031 PT / 1/4	GP2 GLAND PACKING	855248	5013866065217	01/01/1900	current
1031 PT / 3/8	GP2 GLAND PACKING	855248	5013866065217	01/01/1900	current
1031 PT / 1/2	GP3 GLAND PACKING	842040	5013866059070	01/01/1900	current
1031 PT / 3/4	GP3 GLAND PACKING	842040	5013866059070	01/01/1900	current
1031 PT / 1	GP4 GLAND PACKING	842042	5013866059087	01/01/1900	current
1031 PT / 1.1/4	GP5 GLAND PACKING	850006	5013866059292	01/01/1900	current
1031 PT / 1.1/2	GP6 GLAND PACKING	850079	5013866059506	01/01/1900	current

CARE & MAINTENANCE

No regular aesthetic care is required for this product

Maintenance

A regular maintenance program is the most efficient method of ensuring longer term operational efficiency of the selected valve. Such a program would need to include a risk assessment and a planned procedure of how the maintenance will be carried out. The possibility of operational limits being exceeded and the potential hazards ensuring must be considered as part of this assessment. This should be implemented to include visual checks on the valve's condition and any development of unforeseen conditions, which could lead to failure. The correct fitting tools and equipment should be used for valve maintenance work. Separate means of draining the pipe work must be provided when carrying out any maintenance to valves. Where there may be any system debris this could be collected and /or filtered by installation of the appropriate protective device.

For further help please contact your local engineer.

If your product is under warranty please contact the Service Support Team on: 0800 1560050

THE PRESSURE EQUIPMENT DIRECTIVE 97/23/EC and CE MARKING

The Pressure Equipment Regulations 1999 (SI 1999/2001) have now been introduced into United Kingdom law.

Valves with a maximum allowable pressure greater than 0.5 bar are covered by these new Regulations. Valves are categorised according to their maximum working pressure, size and rising level of hazard. The level of hazard varies according to the fluid being carried. Fluids are classified as Group 1, dangerous fluids or Group 2, all other fluids including steam. The Categories designated are SEP (sound engineering practice). Valves up to and including 25mm (1") are designated SEP regardless of the fluid group. Those identified as having increased hazard are Categorised as, I, II, III or IV. All valves designated as SEP do not bear the CE mark nor require a Declaration of Conformity. Categories I, II, III or IV carry the CE mark and require a Declaration of Conformity. Valves classified from the piping chart would not be included in Category IV.

Valves and Fittings

Pegler Yorkshire Customcare 5 Year Guarantee - Terms and Conditions

Products are subject to a 5 year guarantee that is between Pegler Yorkshire and the final purchaser of the product.

The guarantee is subject to proof of purchase being supplied.

This guarantee does not affect any statutory rights the consumer may have in law.

The guarantee covers manufacturing or material defects and does not cover parts subject to normal wear and tear.

This product range has been designed for the use of homeowners, domestic and commercial applications and therefore the guarantee is subject to the product being properly selected for their intended service conditions.

The guarantee is not applicable where the product is fitted contrary to the conditions in the fitting instructions.

This is reinforced where valves are covered by the European Pressure Equipment Directive (PED97/23/EC) where Installation, Operating and Maintenance Instructions are supplied with each product and/or carton.

Provided it is installed correctly and receives adequate preventative maintenance it should give years of trouble – free service.

Abusive behaviour and accidental damage to the product are not covered by this guarantee.

The extent of this liability is limited to the cost of the replacement of the defective item and not to fitting or consequential damages.

from the piping chart would not be included in Category IV.

potentially explosive atmosphere created by: valve: a) has its own potential source of ignition. b) operates in a SI2001/3766). The regulations apply to all valves where each Protective Systems (amendment) Regulations 2001 1996(31 1996/192) and amended by The Equipment and Intended for Use in Potentially Explosive Atmosphere Regulations ootentially explosive atmospheres. This has been implemented in Inited Kingdom law by the Equipment and Protective Systems Concerning equipment and protection systems intended for use in CE MARKING & THE ATEX Directive 94/9/EC

ii) the presence of gases, vapours, mists released from the the presence of air/dust mixtures external to the valve.

The regulations will not apply to a valve without a potential source valve through leakage.

of ignition, which operates in a dust free environment and the fluid

being transported is cold, inert gas or non-flammable liquid. The

equisite level of protection for valves not exempt from

iollowing markings: ⟨Ex⟩ II 2 GD X

conditions. Provided it is installed correctly and receives adequate regulations is defined as Group II category 2 and shall bear Valves must be properly selected for their intended service VALVE SELECTION Selection, Storage & Protection ensure release of any pipeline or valve pressure.

The valve selected must be suitable for the required service enable them to safely lift and install Pegler valves. pumps (when fitted) must be turned off. The pipeline must be depressurised, drained and vented. Valves must be fully opened to Fitters must be trained in manual and mechanical handling to

preventative maintenance it should give years of trouble-free the fluids that they are intended to carry. Interactions between service. They must be compatible with the system design metals in the pipe system and the valve must be considered as /aives snould be stored off the ground in a clean, dry, indoor area oressure and temperature requirements and must be suitable to on the valve nameplate, body or data plate. These must not be Valve seats, seals and internal components can be damaged by conditions. The pressure and temperature limitations are indicated

Where desiccant bags are included with the valve these should be ³egler valves are supplied in cardboard cartons or are bagged as

appropriate and so adequate protection from damage is provided assemblies, suitable protective devices may be required. When Pegler valves are fitted with pressure equipment PRESSURE/TEMPERATURE RATING

and temperature does not exceed the stated rating of the valve. If system testing will subject the valve to pressures in excess of the should also be avoided. standards is for non-shock conditions. Water hammer and impact The maximum allowable pressure in valves as specified in the Valves must be installed in a piping system whose normal pressure

pressure for the body" to a maximum of 1.5 times the PN rating and working pressure rating, this should be within the "shell test conducted with the valve fully opened. t may be hazardous to use these valves outside of their specified

he correct application. pressure and temperature limitations and also when not used for

To ensure ease of operation, adjustment, maintenance and repair LOCATION/END-OF-LINE SERVICE

valve siting should be decided during the system design phase. To they must be adequately supported.

The 1072, 1070/125, 1065 and 1068 Gate valves are suitable for prevent imposing strain on the valve seat, pipe work and valves

Globe, Check, Flanged and Lever Gate valves are not suitable for blanking plug to the downstream end of the valve. Pegler Bali end of line service but we strongly recommend the fitting of a end-of-line service.

Before starting work on any installation a risk assessment must be INSTALLATION Health & Safety

to which the valve is being installed or maintained. appropriate to the hazard presented by the nature of the process exceeded and reduction or elimination of any potential hazards. Protective clothing and safety equipment must be utilised as nade to consider the possibility of operational limits being

. Before installing or removing a valve the pipeline circulating

system debris. Protective devices may need to be fitted and

wheels, levers or stems. system flushing may be required. Any flushing fluid used to clean the pipeline must not cause any . Pegler valves must not be misused by lifting them by their hand

> close to reciprocating pumps, then the velocity should not exceed non uniform or pulsating flow enters the valve, e.g. the valve is

? metres per second. Use suitable hangers close to both ends c

10. All Health and Safety Rules must be followed when installing erosive service, or for carrying fluids containing abrasive solids. conditions, fire testing, fire hazard environment, corrosive or wind, earthquakes and traffic. fluids and must not be used where this could occur. Designs for this valve do not allow for decomposition of unstable There is no allowance for corrosion in the design of these valves. Pegler valves are not designed to withstand the effects of fire, Pegler valves are not suitable for fatigue loading, creep

and maintaining valves.

Gate valves and Globe valves may be fixed in "Vertical pipe work valve has been selected for installation. Unpack the valve and check that the flow paths and valve threads Check the body markings and nameplate to ensure that the correc

Make sure that a gate valve is fully closed during installation. on the body. The valve will function correctly providing it is fitted so and upright". Globe valves are marked with a directional flow arrow with stem horizontal" or "Horizontal pipe work with stem vertical that the fluid transported follows the indicated flow direction.

correctly installed. operated from fully open to fully closed to test that it has been Fitting a gate valve in the open position may cause twisting and the gate and seating may not mate properly. The valve should be

following should be avoided: *Careless handling of the valve standards and, therefore, should not be subjected to misuse. The of system debris. Pegler Valves are manufactured to exacting 'Dirt and debris entering the valve through the end ports horizontal because full closure may be impeded by an accumulation The valve should not be installed in horizontal pipe work with stem Valves should not be lifted using the hand wheel, lever or the stem)

pipe upstream and 3 diameters downstream are suitable flow arrow on the body. The valve will function correctly providing i Horizontal and Vertical pattern check valves may be fitted in Ball valves may be fixed in any orientation, always leaving horizontal pipe work with the cap upper most and vertically with the enough space for the 90° operation of the lever handle velocities of 3 metres per second. If the valve is situated such that direction. Check valves having 6 diameters of straight length of low in an upwards direction. The valve is marked with a directional Excessive force during assembly and hand wheel operation. titted so that the fluid transported follows the indicated flow PB LEVER HANDLE To open - turn the lever 90° so that it is in line

compound can lead to valve failure on the body ends. Threads should be engaged correctly when tightening the valve onto the be forced outwards and will not enter the valve. Over use of the valve in order to remove stresses transmitted by the pipe Any electrical component e.g. actuators, limit switches must valves and seats by the use of hand wheels or levers larger than to the joint being made. Severe damage can occur to stems pipe only and not in the valve threads. Surplus compound will then damage. Care should be taken to apply jointing compound to the penetration of the pipe into the valve that would otherwise cause pipe. The wrench should always be fitted on the body end adjacent Confirm that the pipe threading length is correct to avoid excessive hose originally supplied by the manufacturer, and by wheel keys

as listed in BS EN 1127-1 clause 6.4.5.

valve. When it will go no further return the hand wheel clockwise will close the valve. Closure will be confirmed when the handle car To open - an anti-clockwise rotation of the hand wheel will open the 1/2 turn. To close the valve a clockwise rotation of the hand wheel Gate Valves

cause the wedge to become tight in the valve. The valve may be become stiff to operate in these circumstances. Suitable hand be turned no turther. egulating and throttling service. open or fully closed position. Gate valves are not suitable protection should be worn when operating valves used in extreme Caution: Service applications with extremes of temperature may emperature applications. The valve should only be used in the fully

valve. When it will go no further return the hand wheel clockwise To open - an anti-clockwise rotation of the hand wheel will open the

the valve. Closure will be confirmed when the handle can be turned To close the valve a clockwise rotation of the hand wheel will close Caution: Suitable hand protection should be worn when operating

suitable for regulating and throttling service. valves used in extreme temperature applications. Globe valves are

operation. the flow within the pipeline and there is no external method c The Horizontal/vertical pattern check valves operate according to Check Valves explosion proof and comply with the ATEX Directive and Standards **PB EL** models are fitted with an extended spindle mechanism that standard lever handle. securing screw and re-tighten with the hexagon key.

egulating or throttling applications. MAINTENANCE

this should be collected and/or tiltered by installation of the be used for valve maintenance work. Separate means of draining the pipe work must be provided when carrying out any maintenance to valves. Where there may be any system debris could lead to failure. The correct fitting tools and equipment should nazards ensuing must be considered as part of this assessment possibility of operational limits being exceeded and the potentia ensuring longer term operational efficiency of the selected valve condition and any development of unforeseen conditions, which This should be implemented to include visual checks on the valve's Such a program would need to include a risk assessment and a blanned procedure of how the maintenance will be carried out. The \ regular maintenance program is the most efficient method o

appropriate protective device. Gland Adjustment. - The gland may need adjustment during

installation and then periodically thereafter to maintain a sterr NOTE: It is recommended that within the 1st year the gland giand seal.

necessary

however, in the event of maintenance being necessary, gate and globe valves do not normally require any maintenance Gland Replacement - Under normal working conditions Pegle nspected at 3 monthly intervals to check for gland leakage.

Before starting work, de-pressurise the system, turn off

any

lechnical Department for further information available from Sales Office.

egler recommended spares must be used.

Ö

Pegler

following procedure should be followed:

so that it is across the line of the pipe in which it is installed. Full PB T Models have lockable handles for use in both open and opening and closing is completed when a full 90° is achieved and with the pipe run in which it is installed. To close - turn the lever 90°

ensuring the handle slot engages on to the body lug. Insert the then be rotated through 180° and refitted on to the valve spindle screw. The T handle can then be lifted from the valve. This should key of the appropriate size can be used to remove the securing with the pipe work. To lock the valve in the open position a hexagor closed positions. In the fully open position the T handle is in line Re-attach the handwheel, nameplate and nut. Re-assemble the gland ring and gland nut.

pipe insulation is being used. This version is only available with lifts the lever away from the body and is particularly useful when

open or fully closed position. Ball valves are not suitable temperature applications. The valve should only be used in the fully cause the ball to become tight in the valve. The valve may be Caution: Service applications with extremes of temperature may orotection should be worn when operating valves used in extreme become stiff to operate in these circumstances. Suitable hand

be subject to a "permit to work" system. present. The use of tools on equipment in Zones 1 and sparks" e.g. sawing or grinding. Only steel "single spark"

Before starting work de-pressurise the system, turn off any circulating pumps, and ensure the valve is empty of fluid. Using a suitable wrench remove the complete bonnet assembly from the valve. Care should be taken to ensure the pipework is held failure. Slacken and remove disc nut and disc. securely during this process so that there is no distortion to the Assess damage to valve seat replacing the valve threads. Any damage to the threads could lead 1029 Renewable Valve Disc Replacement. whole valve if

Installation, Operating & Maintenance Instructions are N.B. The 1029 Globe valves have non-metallic PTFE valve discs. Re-assemble the bonnet in to the valve body, checking for damage. Ensure the valve bonnet is joined securely to body and will not leak. type as appropriate. Re-attach a replacement disc and disc nut. The valve disc can be replaced with an equivalent size disc and

ring. Using a suitable tool, lift out the existing packing nut, nameplate and hand wheel. Remove the gland nut must be taken not to damage the valve stem. sure the stem and stuffing box are clean & free from debris. Care circulating pumps. Slacken the hand wheel nut and remove the and gland and make

and push down firmly. Fit a replacement Pegler packing gland into the stuffing box

tightness should be made, further adjust the gland nut as Tighten the gland nut and confirm stem resistance while necessary to achieve a satisfactory seal. the valve. Once line pressure is re-established a check operating ck for leak required

NB. Permanent removal of the gland nut and /or Ball valves and Check valves are generally NOT suitable for Plate will invalidate the CE compliance of this valve. Pegler the Data.

protective level defined as Group II catergory 2 will operate in Zone 1 (gases/vapours) or Zone 21 (dust) designated in BS1127-1 permitted in Zones 1 & 21. Tools causing showers of sparks are e.g. screwdriver, spanner, impact screwdriver or "shower of Explosion prevention and protection. Tools are either "single spark" present. b) dust deposits have been removed and no dust cloud is only permissible if: a) no hazarous explosive atmosphere is According to valve type, gland packing and valve discs may be replaced. Valves within the scope of the ATEX Directive with a tools are

Southern Tel: 0870 1200282 Fax: 01302 560458 Northern Tel: 0870 1200281 Fax: 01302 560108 k.sales@pegler.co.uk

Yorkshire DN4 8DF England www.pegler.co.uk Pegler Limited, St Catherine's Avenue, Doncaster, Head Office PRIOR NOTICE and materials of products listed in this leaflet withou

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QUALITY • RELIABILITY • INNOVATION

Doncaster as part of the requirements for compliance to the and the valve which need to be considered. Appropriate flushing considering the compatibility of the system design and the European Pressure Equipment Directive (PED 97/23 EC). Spares Catalogue, and Spares Price list. A Technical File is held a Reference Material: Pegler Valves Package Brochure, Pegle commissioning the system as this would help extend the valve life and cleaning of the plpe work Installation should take place when There may also be interactions between metals in the pipe system the valve performance as this could lead to premature valve failure nature of the fluid being carried through the valve could also affect valves can be adversely affected and valve failure may occur. The pressure and temperature requirements the life expectancy of the When a valve is properly selected for its service conditions it should MAINTAINING A POLICY OF CONTINUAL PRODUCT DEVELOPMENT years of trouble-free service provided it is installed corrective receives adequate preventative maintenance. By PRODUCT LIFE SPAN

Pegler **Engineers Valves**

Installation, Operating & Maintenance Instructions Pressure Equipment Directive

PED 97/23/EC Compliant A Watertight Guarantee Of Quality

d delivery to your door visit MyTub Ltd \0845 303 8383 - www.mytub.co.uk - in

)rain (Cocks	l	Ch	eck Val	ves		Globe	Valves	Г		G	ate Valv	ies					Ball	Valves]
833GM GM IS	1832	1064	1063	1062	1060A	1039	1031	1029	GM63	63	P81M	1070/125	1072	1068	1065	PB 100	PB300 YELLOW	PB300 RED/BLUE	PB500 YELLOW	PB500 RED	PB700	Product
<	×	×	×	۲	۲	۲	۲	۲	×	×	۲	۲	۲	۲	×	×	<	<	<	<	<	Steam
`	ς.	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	<	<	<	۲	<	Water
×	×	×	×	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	۲	<u>o</u>
×	×	Ž	Ž	×	×	×	×	<i>\$</i>	×	×	×	×	×	×	×	<i>\$</i>	<i>\$</i>	<i>\$</i>	<i>\$</i>	<i>\$</i>	Ş	Air
×	×	×	×	×	×	×	×	<i>\$</i>	×	×	×	×	×	×	×	×	<i>\$</i>	×	<i>\$</i>	×	Ş	Gas
<	×	×	×	×	×	×	×	<i>Ş</i>	×	×	×	×	×	×	×	×	<i>\$</i>	×	<i>\$</i>	×	Ş	Gas Combustible
<	×	×	×	×	×	×	×	<i>\$</i>	×	×	×	×	×	×	×	×	<i>\$</i>	×	<i>\$</i>	×		Gas
×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	Gas Oxygen
Orain (Cocks	ı	Ch	eck Val	ves		Globe	Valves	ı		G	ate Valv	es					Ball \	/alves]
833GM_GMLS	1832	1064	1063	1062	1060A	1039	1031	1029	GM63	83	P81 M	1070/125	1072	1068	1065	PB100	PB300 YELLOW	PB300 RED/BLUE	PB500 YELLOW	PB500 RED	PB700	Product
		Ī.						7.5				11.4	-		-	_		-	11.5	11.5	11.5	1/4"

	•	12.8	12.8	15.9	15.0	9.9	9.9	9.9	•	•	•	15.0	15.0	15.0	12.7	12.7	٠	•	15.4	15.4	
		14.2	14.2	16.7	16.3	11.1	11.1	11.1			-	16.3	16.3	16.3	14.0	14.0			16.7	16.7	
		15.0	15.0	19.0	19.1	12.3	12.3	12.3			-	19.1	19.1	19.1	16.1	16.2			19.4	19.4	
	-	15.2	15.2		21.4	14.3	14.3	14.3			-	21.4	21.4	21.4	18.5	18.5			21.7	21.7	
		16.4	16.4		21.4	14.3	14.3	14.3			-	21.4	21.4	21.4	18.5	18.5		-	21.4	21.4	
		17.2	17.2		25.7	18.2	18.2	18.2			-	25.7	25.7	25.7	22.8	22.8		-	26.0	26.0	
		19.8	19.8		25.0			19.8				30.2		30.2	-				30.5	30.5	
		26.0	26.0		33.0			22.6				33.3		33.3	-				33.5	33.5	
	-	26.6	26.6		33.0		٠	-		٠		39.3		39.3					39.5	39.5	
																					-
Drain	Cocks		Cł	ieck Va	lves		Globe	e Valves			6	iate Val	ves					Ball	Valves		-
Brain 833GM, GM LS	Cocks 1832	1064	1063	1062	1060A	1039	Globe 1031	1029	GM63	63	P81M	1070/125	1072	1068	1065	PB100	PB300 YELLOW	PB300 RED/BLUE	PB500 YELLOW	PB500 RED	

20 Bar - 10°C to 100°C

20 Bar - 10°C to 100°C

9 Bar at 180°C 9 Bar at 180°C

5 Bar at 120°C

32 Bar - 10°C to 100°C 20 Bar - 10°C to 100°C

14 Bar at 198°C

1068 1065 1065

S.E.P

S.E.P

S.E.P

S.E.P S.E.P S.E.P S.E.P

S.E.P S.E.P

9 Bar at 180°C

25 Bar - 10°C to 100°C

16 Bar - 10°C to 30°C

5 Bar at 120°C

5 bar at 120°C

16 Bar - 10°C to 30°C 25 Bar - 10°C to 100°C

17.5 Bar - 0°C to 25°C

17.5 Bar at 93°C

4 Bar at 120°0

PB300 YELLOW PB100

S.E.P

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S.E.P

32 Bar - 10°C to 100°C

14 Bar at 198°C

| Globe Varies | F8 IM | F8 IM

S.E.P

S.E.P

S.E.P

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S.E.P

Cat 1

Cat 1 S.E.P

Cat 2

Cat 2

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S.E.P

S.E.P Cat 1 S.E.P

S.E.P

S.E.P

S.E.P S.E.P 5 Bar at 120°(

16 Bar - 10°C to 30°C

16 Bar - 10°C to 30°C

32 Bar - 10°C to 100°C

7.9

_				
	Drain	Cocks		(
* 10 bar for Gas	833GM, GM LS	1832	1064	1063
	10	10	8 - 12	8 - 12
	20 Bar - 10°C to 100°C	10 Bar - 0°C to 120°C	0°C to 90°C	0°C to 90°C
	13 Bar at 120	10 Bar at 120	90°C	90°C

25 Bar - 10°C to 100°C 25 Bar - 10°C to 100°C 32 Bar - 10°C to 100°C

10.5 Bar at 186°C

1062 1063 1064 1832

S.E.P

S.E.P S.E.P S.E.P S.E.P S.E.P

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S.E.P

S.E.P

Cat 2

14 Bar at 198°C 10.5 Bar at 186°C

14 Bar at 198°C

10.3 10.3

OPERATIONAL LIMITS

4₀₽ Non- Shock Pressure @ Temp. Range Non- Shock Pressure @ Max. Range

40 Bar - 10°C to 110°C

25 Bar - 10°C to 100°C

16.5 Bar at 150°C

10 Bar at 180°C

16.5 Bar at 150°C

3/8

Thread Depths (mm) 3/4" 1" 1.1/4" 1.1/2"

15.4

16.7

19.4

21.7

21.4

26.0

30.5

33.5 39.5

Product PB700

11.9 11.9

11.9

_	Ball Valves PB 700 PB 700 PB 300 PB 3							
Product	700	PB500 RED	B500 YELLOW	PB300 RED/BLUE				
1/4"	S.E.P	S.E.P	S.E.P					
3/8	S.E.P	S.E.P	S.E.P					
1/2"	S.E.P	S.E.P	S.E.P	S.E.P				
3/4"	S.E.P	S.E.P	S.E.P	SEP				
<u>-</u>	S.E.P	S.E.P	S.E.P	SEP SEP				
1.1/4"	Cat 1	S.E.P	Cat 1	SEP				
1.1/2"	Cat 1	S.E.P	Cat 1	SEP SEP SEP				
2	Cat 1	S.E.P	Cat 1	S.E.P				
2.1/2"	Cat 1	S.E.P	Cat 1					
ယ္ခ	Cat 1	S.E.P	Cat 1					
				-				

Cat 1
Cat 1

PED Categorisation Table

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