

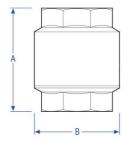
1063 Forged Brass Spring Check Valve

Forged brass spring check valve

GENERAL INFORMATION



Pattern	No. key :PT = Parallel	Thread			
Size	Pattern No.	Pack 1 Qty	Code	Barcode	Discontinued
3/8	1063	10	124100	5013866036200	11/07/2003
1/2	1063	10	124101	5013866036217	31/10/2004
3/4	1063	10	124102	5013866036224	31/10/2004
1	1063	10	124103	5013866036231	31/10/2004
1 1/4	1063	6	124104	5013866036248	31/10/2004
1 1/2	1063	4	124105	5013866036255	31/10/2004
2	1063	2	124106	5013866036262	31/10/2004
2 1/2	1063	1	124107	5013866035876	31/10/2004
3	1063	1	124108	5013866035883	31/10/2004
4	1063	1	124109	5013866035890	31/10/2004
3/8	1063 PT	10	124120	5013866036279	11/07/2003
1/2	1063 PT	10	124121	5013866036286	
3/4	1063 PT	10	124122	5013866036293	
1	1063 PT	10	124123	5013866036309	
1 1/4	1063 PT	6	124124	5013866036316	
1 1/2	1063 PT	4	124125	5013866036323	
2	1063 PT	2	124126	5013866036330	
2 1/2	1063 PT	1	124127	5013866035975	
3	1063 PT	1	124128	5013866035982	
4	1063 PT	1	124129	5013866035999	
1/2	1063 AT	10	124141	753818008903	31/10/2004
3/4	1063 AT	10	124142	753818008910	31/10/2004
1	1063 AT	10	124143	753818008927	31/10/2004
1 1/4	1063 AT	6	124144	753818008934	31/10/2004
1 1/2	1063 AT	4	124145	753818008941	31/10/2004
2	1063 AT	2	124146	753818008958	31/10/2004
2 1/2	1063 AT	1	124147	753818009061	31/10/2004
3	1063 AT	1	124148	753818009078	31/10/2004
4	1063 AT	1	124149	753818009085	31/10/2004



DIMENSION	IS (mm)			
Code	Description	А	В	Kg
124100	3/8 1063 BRASS SPRING CHECK V ALVE	45	28	0.078
124101	1/2 1063 BRASS SPRING CHECK V ALVE	49.5	34	0.124
124102	3/4 1063 BRASS SPRING CHECK V ALVE	57.5	41.5	0.232
124103	1 1063 BRASS SPRING CHECK V ALVE	61.5	47	0.251
124104	1 1/4 1063 BRASS SPRING CHECK V ALVE	66	58.5	0.389
124105	1 1/2 1063 BRASS SPRING CHECK V ALVE	76	69	0.581
124106	2 1063 BRASS SPRING CHECK V ALVE	87	84.5	0.852
124107	2 1/2 1063 BRASS SPRING CHECK V ALVE	100	103	1.380
124108	3 1063 BRASS SPRING CHECK V ALVE	110	112	1.966
124109	4 1063 BRASS SPRING CHECK V ALVE	114	145	2.830
124120	3/8 1063 PT BRASS SPRING CHECK V ALVE	45	28	0.078
124121	1/2 1063 PT BRASS SPRING CHECK VALVE	50	34	0.12
124122	3/4 1063 PT BRASS SPRING CHECK VALVE	58	42	0.23
124123	1 1063 PT BRASS SPRING CHECK VALVE	62	47	0.25
124124	1.1/4 1063 PT BRASS SPRING CHECK VALVE	66	59	0.39
124125	1 1/2 1063 PT BRASS SPRING CHECK V ALVE	76	69	0.58
124126	2 1063 PT BRASS SPRING CHECK V ALVE	87	85	0.85
124127	2 1/2 1063 PT BRASS SPRING CHECK V ALVE	100	103	1.38
124128	3 1063 PT BRASS SPRING CHECK V ALVE	110	112	1.97
124129	4 1063 PT BRASS SPRING CHECK V ALVE	114	145	2.83
124141	1/2 1063 AT BRASS SPRING CHECK VALVE	49.5	34	0.124
124142	3/4 1063 AT BRASS SPRING CHECK VALVE	57.5	41.5	0.232
124143	1 1063 AT BRASS SPRING CHECK VALVE	61.5	47	0.251
124144	1.1/4 1063 AT BRASS SPRING CHECK VALVE	66	58.5	0.389
124145	1.1/2 1063 AT BRASS SPRING CHECK VALVE	76	69	0.581
124146	2 1063 AT BRASS SPRING CHECK VALVE	87	84.5	0.852
124147	2.1/2 1063 AT BRASS SPRING CHECK VALVE	100	103	1.380
124148	3 1063 AT BRASS SPRING CHECK VALVE	110	112	1.966
124149	4 1063 AT BRASS SPRING CHECK VALVE	114	145	2.830
DDECOUDE				

PRESSURE & TEMPERATURE

1063 Forged Brass Spring Check Valve	Minimum Operating Pressure (bar)	Maximum Cold Working Pressure (bar)	Maximum Hot Working Pressure (bar)
1063 PT BRASS SPRING CHECK V ALVE	0.002 - 0.04 bar	8.0 bar at temperatures up to 90oC	Not Suitable for Maximum Hot Working Pressure

MATERIAL SPECIFICATIONS

Component	Material
Pin	ABS
Pin Washer	ABS
Body	Brass
Sealing Washer	EPDM Rubber
Spring	Stainless Steel 18/8
	Pin Pin Washer Body Sealing Washer

CARE & MAINTENANCE

Care

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

REGULATIONS

Regulations

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.

GUARANTEE

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.

5075 Pegler Maintenance Instrc 1/3/05 9:19 am Page 1

maximum working pressure, size and rising level of hazard. The from the piping chart would not be included in Category IV. designated as SEP do not bear the CE mark nor require a level of hazard varies according to the fluid being carried. Fluids Nou mark and require a Declaration of Conformity. Valves classified having increased hazard are categorised as, I, II, III or IV. All valves designated SEP regardless of the fluid group. Those identified as engineering practice). Valves up to and including 25mm (1") are are classified as Group 1 , dangerous fluids or Group 2, all other these new Regulations. Valves are categorised according to their maximum allowable pressure greater than 0.5 bar are covered by The Declaration of Conformity. Categories I, II, III or IV carry the CE luids including steam. The categories designated are SEP (sound CE MARKING & THE ATEX Directive 94/9/EC been introduced into United Kingdom law. Valves with a Pressure Equipment Regulations 1999 (SI 1999/2001) have THE PRESSURE EQUIPMENT DIRECTIVE 97/23/EC & CE MARKING

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 potentially explosive atmospheres. This has been implemented in Jnited Kingdom law by the Equipment and Protective Systems Concerning equipment and protection systems intended for use in

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

of ignition, which operates in a dust free environment and the fluid being transported is cold, inert gas or non-flammable liquid. The regulations is defined as Group II category 2 and shall bear The regulations will not apply to a valve without a potential source following markings: (Ex) II 2 GD X requisite level of protection for valves not exempt from the

VALVE SELECTION Selection, Storage & Protection

preventative maintenance it should give years of trouble-free part of the valve selection the fluids that they are intended to carry. Interactions between service. They must be compatible with the system design conditions. Provided it is installed correctly and receives adequate metals in the pipe system and the valve must be considered as valves must be properly selected for their intended service pressure and temperature requirements and must be suitable to

valves should be stored off the ground in a clean, dry, indoor area

Where desiccant bags are included with the valve these should be

Product Data Sheet: Valves Package

appropriate and so adequate protection from damage is provided changed after a period of 6 months. When Pegler valves are fitted with pressure equipment ³egler valves are supplied in cardboard cartons or are bagged as

assemblies, suitable protective devices may be required. PRESSURE/TEMPERATURE RATING

and temperature does not exceed the stated rating of the valve. 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. If system testing will subject the valve to pressures in excess of the

he correct application. pressure and temperature limitations and also when not used for t may be hazardous to use these valves outside of their specified

LOCATION/END-OF-LINE SERVICE

valve siting should be decided during the system design phase. To prevent imposing strain on the valve seat, pipe work and valves To ensure ease of operation, adjustment, maintenance and repain

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 titting of a they must be adequately supported. The 1072, 1070/125, 1065 and 1068 Gate valves are suitable for

end-ot-line service.

on the valve nameplate, body or data plate. These must not be 4. 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 deexceeded. conditions. The pressure and temperature limitations are indicated pressurised, drained and vented. Valves must be fully opened to to which the valve is being installed of maintained. appropriate to the hazard presented by the nature of the process exceeded and reduction or elimination of any potential hazards. ensure release of any pipeline or valve pressure. Before starting work on any installation a risk assessment must be Protective clothing and safety equipment must be utilised as made to consider the possibility of operational limits . Fitters must be trained in manual and mechanical handling to . Before installing or removing a valve the pipeline circulating **INSTALLATION Health & Safety** being

system debris. Protective devices may need to be fitted and Valve seats, seals and internal components can be damaged by

wheels, levers or stems. damage to the valve and its components 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

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. INSTALLATION

are clean and free from debris. Unpack the valve and check that the flow paths and valve threads

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

correctly installed.

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 enough space for the 90° operation of the lever handle "Dirt and debris entering the valve through the end ports horizontal because full closure may be impeded by an accumulation *Excessive force during assembly and hand wheel operation. The valve should not be installed in horizontal pipe work with stem Valves should not be lifted using the hand wheel, lever or the stern)

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 direction. Check valves having 6 diameters of straight length of low in an upwards direction. The valve is marked with a directional titted so that the fluid transported follows the indicated flow

velocities of 3 metres per second. If the valve is situated such that

compound can lead to valve failure on the body ends. Threads should be engaged correctly when tightening the valve onto the explosion proof and comply with the ATEX Directive and Standards be forced outwards and will not enter the valve. Over use of the valve in order to remove stresses transmitted by the pipe as listed in BS EN 1127-1 clause 6.4.5. 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 close to reciprocating pumps, then the velocity should not exceed non uniform or pulsating flow enters the valve, e.g. the valve is 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 ? metres per second. Use suitable hangers close to both ends c OPERATION

valve. When it will go no further return the hand wheel clockwise be turned no turther. 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 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

regulating and throttling service.

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 ilobe Valves

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 1/2 turn.

no turtner Caution: Suitable hand protection should be worn when operating

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

the flow within the pipeline and there is no external method c The Horizontal/vertical pattern check valves operate according to Check Valves

operation.

PB LEVER HANDLE To open - turn the lever 90° so that it is in line Sall Valves

ensuring the handle slot engages on to the body lug. Insert the then be rotated through 180° and refitted on to the valve spindle so that it is across the line of the pipe in which it is installed. Ful 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 PB T Models have lockable handles for use in both open and opening and closing is completed when a full 90° is achieved and closed positions. In the fully open position the T handle is in line lever is firmly set against the stop on the valve body

with the pipe run in which it is installed. To close - turn the lever 90°

pipe insulation is being used. This version is only available with lifts the lever away from the body and is particularly useful when **PB EL** models are fitted with an extended spindle mechanism that securing screw and re-tighten with the hexagon key.

cause the ball to become tight in the valve. The valve may be Caution: Service applications with extremes of temperature may protection should be worn when operating valves used in extreme pecome stiff to operate in these circumstances. Suitable hand standard lever handle.

open or fully closed position. Ball valves are not suitable temperature applications. The valve should only be used in the fully egulating or throttling applications. ð

MAINTENANCE

this should be collected and/or filtered by installation of the be used for valve maintenance work. Separate means of draining the pipe work must be provided when carrying out any appropriate protective device. maintenance to valves. Where there may be any system debris could lead to failure. The correct fitting tools and equipment should hazards 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 planned procedure of how the maintenance will be carried out. The A regular maintenance program is the most efficient method of

installation and then periodically thereafter to maintain a sterr giand seal. Gland Adjustment. - The gland may need adjustment during

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. NOTE: It is recommended that within the 1st year the gland the

Before starting work, de-pressurise the system, turn off following procedure should be followed: any

tightness should be made, further adjust the gland nut as Tighten the gland nut and confirm stem resistance while ring. Using a suitable tool, lift out the existing packing necessary to achieve a satisfactory seal. the valve. Once line pressure is re-established a check Re-attach the handwheel, nameplate and nut. Re-assemble the gland ring and gland nut. and push down firmly. Fit a replacement Pegler packing gland into the stuffing box must be taken not to damage the valve stern. sure the stem and stuffing box are clean & free from det required

e operating ck for leak

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.

maintenance.

According to valve type, gland packing and valve discs may be replaced. Valves within the scope of the ATEX Directive with a

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 sparks" e.g. sawing or grinding. Only steel "single spark" tools are

present. The use of tools on equipment in Zones 1 and

be subject to a "permit to work" system.

should

Before starting work de-pressurise the system, turn off any circulating pumps, and ensure the valve is empty of fuld. Using a suitable wrench remove the complete bornet assembly from the valve. Care should be taken to ensure the pipework is held 1029 Renewable Valve Disc Replacement.

failure. Slacken and remove disc nut and disc. securely during this process so that there is no distortion to the necessary Assess damage to valve seat replacing the valve threads. Any damage to the threads could lead whole valve if to valve export@pegler.co.uk Export Sales: k.sales@pegler.co.uk

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

Installation, Operating & Maintenance Instructions are N.B. The 1029 Globe valves have non-metallic PTFE valve discs.

Hete đ

lechnical Department for Turtner Information available from Sales Office. egler recommended spares must be used.

QUALITY • RELIABILITY • INNOVATION

) Pegler

ris. Care	nd make	nd gland	nove the	

give years of trouble-free service provided it is installed correctly When a valve is properly selected for its service conditions it should

PRODUCT LIFE SPAN

receives adequate preventative maintenance. By

nut, nameplate and hand wheel. Remove the gland nut

circulating pumps. Slacken the hand wheel nut and rer

and the valve which need to be considered. Appropriate flushing pressure and temperature requirements the life expectancy of the considering the compatibility of the system design and the 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

PRIOR NOTICE and materials of products listed in this leaflet without European Pressure Equipment Directive (PED 97/23 EC). PEGLER LTD RESERVES THE RIGHT TO CHANGE SPECIFICATION, DESIGN MAINTAINING A POLICY OF CONTINUAL PRODUCT DEVELOPMENT

Doncaster as part of the requirements for compliance to the

Spares Catalogue, and Spares Price list. A Technical File is held a

Head Office

Yorkshire DN4 8DF England www.pegler.co.uk Pegler Limited, St Catherine's Avenue, Doncaster, South

Western Tel: 0870 1200283 Fax: 01302 560109 Southern Tel: 0870 1200282 Fax: 01302 560458 Northern Tel: 0870 1200281 Fax: 01302 560108

Tel: 44 (0) 1302 855656 Fax: 44 (0) 1302 730513

Pegler Engineers Valves

Installation, Operating & Maintenance Instructions Pressure Equipment Directive

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

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

	Drain	Cacks		Ch	eck Val	294		Globe	Valves	r –		6	iate Valv	291					Ball	Valves			1	
* Pressure limited to 10 bar for Air & Gas applications.	833GM, GM LS	1832	1064	1063	1062	1060A	1039	1031	1029	GM63	53	P81M	1070/125	1072	1068	1065	PB 100	PB300 YELLOW	PB300 RED/BLUE	PB500 YELLOW	PB500 RED	PB 700	Product	
to 10 bar for Air i	×	×	×	×	۲	۲	۲	۲	۲	×	×	۲	۲	۲	۲	×	×	۲	۲	۲	۲	۲	Steam	
& Gas applicatio	۲	۲	۲	۲	۲	۲	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>e</u>	VALVE
e limited to 5 bar	×	×	S **	5**	×	×	×	×	ł.	×	×	×	×	×	×	×	\$	۲,	\$	z	s,	\$	Air	VALVE SUITABILITY
** Pressure limited to 5 bar for Air applications.	×	×	×	×	×	×	×	×	\$	×	×	×	×	×	×	×	×	\$	×	Z	×	\$	Gas	YTL
ns.	×	×	×	×	×	×	×	×	ł.	×	×	×	×	×	×	×	×	۲,	×	ł,	×	\$	Gas Combustible	
	×	×	×	×	×	×	×	×	<i>\$</i>	×	×	×	×	×	×	×	×	\$	×	\$	×	\$	Gas	
	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	×		
_																							, 	
	Drain 833GM, GMLS	Cocks 1832	1064	th 1063	eck Val	1060A	1039	Globe	Valves 1029	GM63	63	ت 181 M	ate Valv 1070/125	a 1072	1068	1065	PB100	PB300 YELLOW	PB300 RED/BLUE	PB500 YELLOW	PB500 RED	PB700	Product	
	•	•	•	•			•		7.5		•		11.4	•			•	•		11.5	11.5	11.5	1/4"	
		•	10.3	10.3					7.9	•	•		11.4						•	11.9	11.9	11.9	3/8	
			12.8	12.8	15.9	15.0	9.9	9.9	9.9		•		15.0	15.0	15.0	12.7	12.7			15.4	15.4	15.4	1/2"	7
	•	•	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	16.7	3/4"	hread
	•	•	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	19.4	-	Thread Depths (mm)
	•	•	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	21.7	1.1/4" 1.1/2"	; (mm)
	•	•	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	21.4	1.1/2"	
	•	•	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	26.0	N	
	•	•	19.8	19.8	•	25.0	•	•	19.8	•	•	•	30.2	•	30.2	•	•	'	•	30.5	30.5	30.5	21/2	
	•	•	26.0	26.0	•	33.0	•	•	22.6	•	•	•	33.3	•	33.3	•	•	•	•	33.5	33.5	33.5	မ္	
	•	•	26.6	26.6	•	33.0	•	•	'	•	•	•	39.3	•	39.3	•	•	'	•	39.5	39.5	39.5	4	
*	Drain	Cocks		C	heck Va	lves		Globe	e Valves			(Gate Val	ves					Ball	Valves				
10 bar for Gas	833GM, GM LS	1832	1064	1063	1062	1060A	1039	1031	1029	GM63	63	P81M	1070/125	1072	1068	1065	PB100	PB300 YELLOW	PB300 RED/BLUE	PB500 YELLOW	PB500 RED	PB700	Product	
	10	10	8 - 12	8 - 12	25	25	32	32	32*	16	16	16	20	32	20	17.5	25	16*	16	25*	25	40*	P	OPERATIO
	20 Bar - 10°C to 100°C	10 Bar - 0°C to 120°C	0°C to 90°C	0°C to 90°C	25 Bar - 10°C to 100°C	25 Bar - 10°C to 100°C	32 Bar - 10°C to 100°C	32 Bar - 10°C to 100°C	32 Bar - 10°C to 100°C	16 Bar - 10°C to 30°C	16 Bar - 10°C to 30°C	20 Bar - 10°C to 100°C	20 Bar - 10°C to 100°C	32 Bar - 10°C to 100°C	20 Bar - 10°C to 100°C	17.5 Bar - 0°C to 25°C	25 Bar - 10°C to 100°C	16 Bar - 10°C to 30°C	16 Bar - 10°C to 30°C	25 Bar - 10°C to 100°C	25 Bar - 10°C to 100°C	40 Bar - 10°C to 110°C	Non- Shock Pressure @ Temp. Rang	OPERATIONAL LIMITS
	13 Bar at 120°C	10 Bar at 120°C	90°C	90°C	10.5 Bar at 186°C	10.5 Bar at 186°C	14 Bar at 198°C	14 Bar at 198°C	14 Bar at 198°C	5 Bar at 120°C	5 Bar at 120°C	9 Bar at 180°C	9 Bar at 180°C	14 Bar at 198°C	9 Bar at 180°C	17.5 Bar at 93°C	4 Bar at 120°C	5 Bar at 120°C	5 bar at 120°C	16.5 Bar at 150°C	16.5 Bar at 150°C	10 Bar at 180°C	Non- Shock Pressure @ Temp. Range Non- Shock Pressure @ Max. Ra	

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