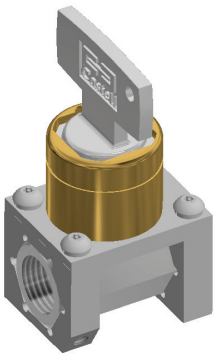
PSBV
Pressure Safe Ball Valve Interlock



The Castell PSBV pressure safe ball valve interlock is an integral valve interlock designed to enable locking off in either the open closed or in both conditions. The PSBV is supplied with a fitted high pressure mini 1/4" chrome plated brass ball valve. Fitting the PSBV enforces a logical, predetermined and safe sequence of operation where the control of flow paths is critical. The PSBV is manufactured in stainless steel with brass or stainless steel lock portions.

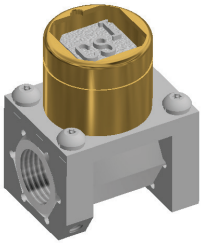
OPERATION

Castell PSBV pressure safe ball valve interlocks are used to prevent unauthorised opening (or closing) of a line ensuring that the valve is always operated in a safe manner.

SBV pressure safe ball valve interlock **locked closed only condition**

1

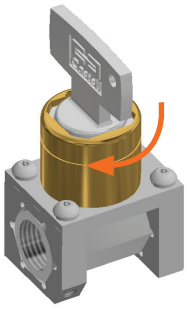
Valve is normally locked closed, key is free



The service line is normally closed. The PSBV ball valve interlock locks the valve in the closed condition. The key is free.

2

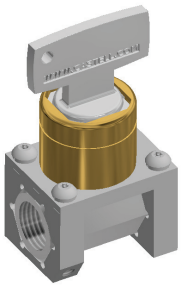
Insert and turn key to unlock the valve



Inserting and turning the key in the PSBV releases the valve from being locked closed to open the line.

3

Valve is unlocked and opened, key is trapped



The key stays trapped while the valve is open.

While every effort has been made to ensure the accuracy of the information provided, no liability can be taken for any errors or omission.
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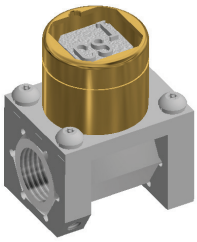
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PSBV
Pressure Safe Ball Valve Interlock

PSBV pressure safe ball valve interlock, locked open only condition

1

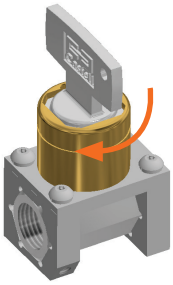
Valve is normally locked open



The service line is normally closed. The PSBV ball valve interlock locks the valve in the closed condition. The key is free.

2

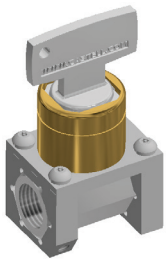
Insert and turn key to unlock the valve



Inserting and turning the key in the PSBV releases the valve from being locked closed to open the line.

3

Valve is unlocked and closed, key is trapped



The key stays trapped while the valve is open.

USAGE

The PSBV Pressure safe ball valve interlock should be used to prevent unauthorised closing or opening of lines.

No hazardous substances were used in the manufacture of this product. The product can be disposed of in standard waste.

INSTALLATION

Fitting the PSBV enforces a logical, predetermined and safe sequence of operation where the control of flow paths is critical.

PSBV interlocks are available in either the locked open or locked closed.

The PSBV Pressure Safe Ball Valve Interlock must be installed by a competent and qualified person who has read and understood these instructions. Please retain this document in your technical file.

The manufacturer should be consulted when use in a corrosive environment is planned.

MAINTENANCE

Periodic visual checks should be carried out by the site manager/safety officer.

Do not lubricate lock barrel with oil or grease, use CK dry powder graphite if necessary.

The interlock must be inspected every 6 months. Safety checks should include ensuring the keys can only be removed in the correct safety operating conditions (see page 1).

In case of defects being detected please contact your nearest Castell Support Department for further actions. Please see Contact section for contact details.

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PSBV
Pressure Safe Ball Valve Interlock

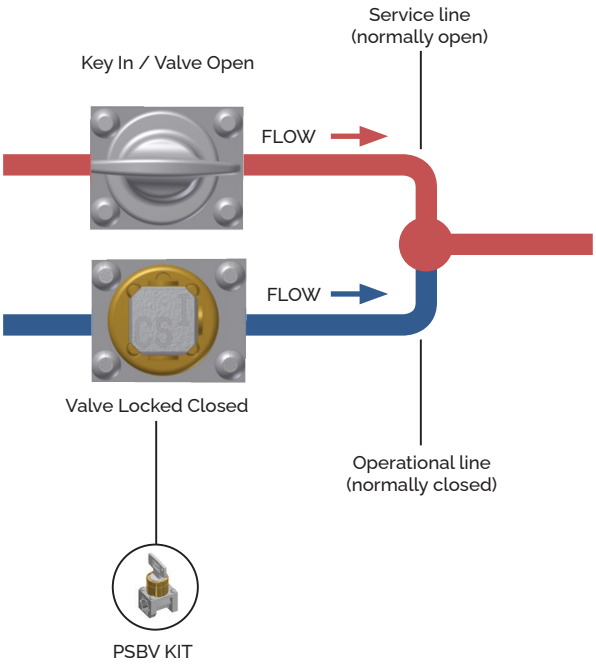
TECHNICAL DATA

	PSBV Pressure Safe Ball Valve Interlock
Temperature rating	Minimum: -20˚C [-4˚F] ice free
	Maximum: 120˚C [248˚F]
Type of mounting	2 x M5 Mounting Holes
Weight	0.3 kg
Material	Stainless steel body with brass or stainless steel lock portions
Valve Details **- Max. Pressure** **- Material** **- Fluid Application** **- Thread**	30 bar (Kg/cm^2) non-shock cold working pressure Chrome Plated Drawn Brass Pneumatic, Sanitary, Water, Oil, Non-Aggressive Fluids G1/4 Pipe Thread (Female)
B10d	1,000,000
Shock & vibration	In accordance with BS EN 60068-2-6 & BS EN 60068-2-27
PL rating	PLd

APPLICATION

The PSBV is designed to operate as part of an integrated safety system controlling the operation of quarter turn ball valves in safety critical applications. The typical application of the PSBV pressure safe ball valve interlock is preventing unauthorised opening of one of the lines ensuring that one line is always closed.

PSBV interlock valves in both open and closed positions have an inter-changeable key between them ensuring that the first valve is closed before the second is open. While the operational line is opened, the service line is locked closed. Prior to opening the service line it needs to be ensured the operational line is locked closed. Turning and releasing key A locks the operating line valve in the closed condition. Key A can then be taken to the next valve which controls the service line. This valve can be unlocked and opened by inserting and turning key A in the PSBV.



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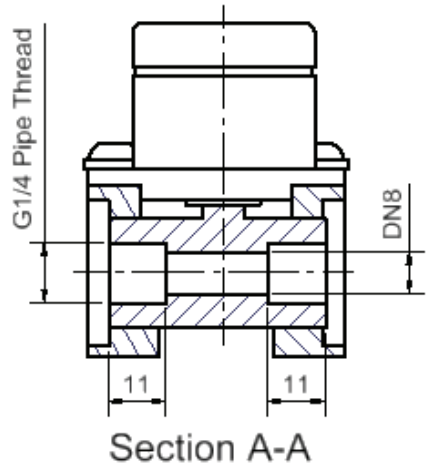
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DRAWING

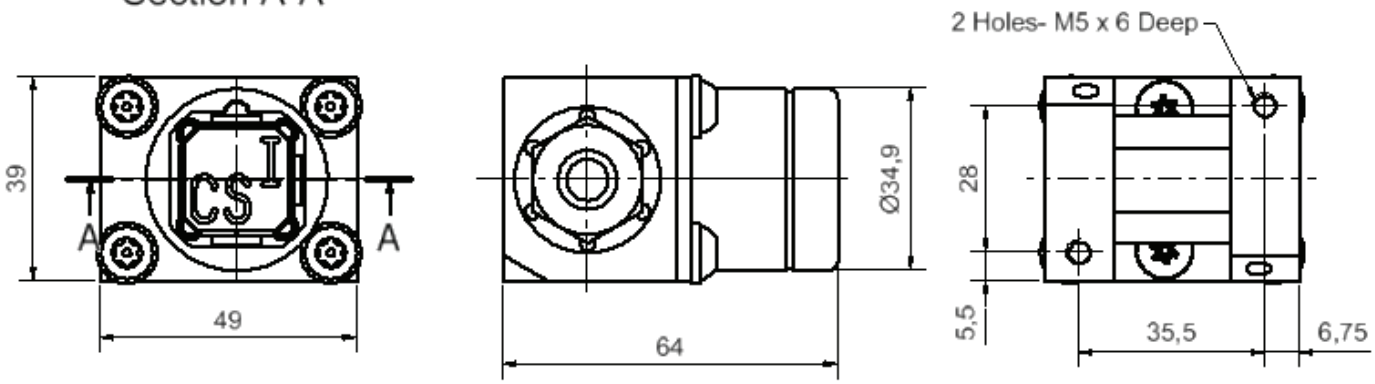
Dimensions: in mm

Note: For safe mounting, use security screws

PSBV, locked open position



Section A-A



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PSBV
Pressure Safe Ball Valve Interlock

ORDER INFORMATION

	Component type	1	2	3	4
Part number	PSBV -			-	-
Example	PSBV -	FS	B	- LC	- ABC

1	Lock portion type	FS (1) / Q (1)
2	Material	B = Brass S = Stainless steel
3	Valve locked state	LO = Locked open LC = Locked closed
4	Lock portion symbol	FS (1) up to 3 characters / Q (1) up to 6 characters

(1)

FS - Lock type	Q - Lock type
Up to 3 characters	Up to 6 characters
	

Special construction available upon enquiry

ACCESSORIES

	Product	Part number
	Flip Cap	FLIP-S

Castell Safety International
The Castell Building, 217 Kingsbury Road, London, NW9 9PQ, UK
Tel: +44 (0)20 8200 1200 **Email:** sales@castell.com

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