

# VSH XPress

DZR ball valve with lever, full bore. XPress ends for copper/carbon steel/stainless steel tube

PS550 Ball valve



## General Information

Size	Pattern No.	Pack 1 Qty	Pack 2 Qty	Code	Barcode	Price (£) each ex VAT
15mm PS550		1	10	<a href="#">245220</a>	5022050560483	£29.97
18mm PS550		1	10	<a href="#">245221</a>	5022050560490	£34.39
22mm PS550		1	10	<a href="#">245222</a>	5022050560506	£43.94
28mm PS550		1	5	<a href="#">245223</a>	5022050560513	£65.65
35mm PS550		1	5	<a href="#">245224</a>	5022050560520	£96.97
42mm PS550		1	2	<a href="#">245225</a>	5022050560537	£133.46
54mm PS550		1	2	<a href="#">245226</a>	5022050560544	£216.78

PS550 Ball valve

## Dimensions

Code	Description	A	B
245220	DN15/15mm PS550	105	39 0.30
245221	DN15/18mm PS550	105	39 0.31
245222	DN20/22mm PS550	115	50 0.50
245223	DN25/28mm PS550	131	55 0.75
245224	DN32/35mm PS550	152	62 1.17
245225	DN40/42mm PS550	165	78 1.85
245226	DN50/54mm PS550	197	84 3.00

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## Flow Rate

Size	Pattern No.	Code	Kv m3/h
15mm PS550		245220	17.00
18mm PS550		245221	17.00
22mm PS550		245222	41.00
28mm PS550		245223	70.00
35mm PS550		245224	121.00
42mm PS550		245225	200.00
54mm PS550		245226	292.00

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## Pressure and Temperature

Description	Minimum Operating Pressure (bar)	Maximum Cold Working Pressure (bar)	Maximum Hot Working Pressure (bar)
PS550 Ball valve	No minimum operating pressure.	16 bar up to 100oC	16 bar up to 100oC

## Care and 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.

#### **Size Pattern No. Code PED Categorisation**

15mm PS550	245220 SEP
18mm PS550	245221 SEP
22mm PS550	245222 SEP
28mm PS550	245223 SEP
35mm PS550	245224 SEP
42mm PS550	245225 SEP
54mm PS550	245226 SEP

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## **Materials**

<b>Component</b>	<b>Material</b>
Body	DZR Brass
Ball	Brass, chrome plated
Seat/thrust washer	PTFE (Teflon)
Stem 'O' ring	Viton
Lever handle	High temperature PVC insulated
Nut (self locking)	Zinc plated steel
Tee handle	Aluminium, painted
Security screws	Nickel plated brass
Stem	DZR Brass
End connection	Gunmetal body (15 to 54) (15 to 28)
End connection 'O' ring	EPDM (15 to 54) (15 to 28)
Sleeve	Brass (EL)
Ext Stem	Brass (EL)
Fixing screw	Steel (EL)
Washer	Brass (EL)

## **Technical Suitability**

<b>Steam</b>	<b>Water</b>	<b>Oil</b>	<b>Air</b>	<b>Gas</b>	<b>Inert Gas</b>	<b>Combustible†</b>	<b>Gas Corrosive††</b>	<b>Gas Oxygen</b>
no	yes	no	no	no	no	no	no	no

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## Gas application guide

Class 1. INERT Air, argon, carbon dioxide, helium, nitrogen

Class 2. COMBUSTIBLE Hydrogen, methane, natural gas, town gas

Class 3. CORROSIVE Chlorine, sulphur dioxide Class 4. OXYGEN

Class 1. INERT Air, argon, carbon dioxide, helium, nitrogen

† Valves are suitable for British Gas Applications Family Gases 1, 2 and 3.

†† Suitable in applications where moisture is completely absent.