

D220W / D220CW

Double Check Valves



D220W

PN16

GENERAL VALVES

Features & Benefits

- Double check valves are used to prevent the risk of backflow and back siphonage contamination in domestic dwellings, public and commercial buildings
- WRAS Approved for use with wholesome (potable) water to 85°C (85°C for threaded and 60°C for Compression)
- Compression version supplied with ends complying with BS EN 1254-2 for use with BS EN 1057 R250 (half hard) copper tube or female taper threads complying with BS EN 10226-2
- Shell pressure rating for D220W and D220CW is PN16 with a maximum inlet/working pressure of 16 bar
- Compliant with BS EN 13959 'Anti-pollution check valves' family E type D

Materials

PART	MATERIAL	SPECIFICATION
Body	DZR Brass	BS EN 12165 CW602N
Cartridge	Acetal	-
Vent Plug (threaded)	Brass	BS EN 12165 CW614N / 617N
Vent Plug (compression)	Nylon	-
'O' ring	NBR / EPDM	-
Retaining Clip	Stainless Steel	AISI 304
Compression Nut	Brass	BS EN 12165 CW602N
Compression Olive	Cartridge Brass	H62
Plating (compression)	Nickel Plated	-
Plating (Threaded)	Unplated	-

Dimensions & Weights

Compression - D220CW

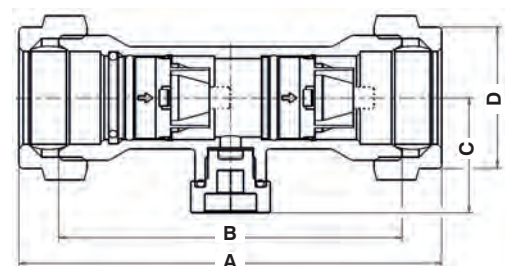
SIZE (mm)	A (mm)	B (mm)	C (mm)	D (mm)	WEIGHT (kg)
15	82.1	63.4	25.2	29.4	0.17
22	101.3	82.2	27.5	39.3	0.29
28	115.2	94.8	30	45.6	0.41

Threaded - D220W

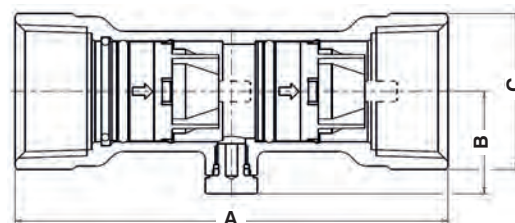
SIZE (inch)	A (mm)	B (mm)	C (mm)	WEIGHT (kg)
1/2	75.7	20.2	25.5	0.13
3/4	94.8	22.3	32	0.21
1	108	25.6	39	0.33
1 1/4	118	29.7	49.5	0.49
1 1/2	137	36.8	57	0.79
2	181	37.1	70	1.41



Dimensional Drawing



Compression



Threaded

Pressure/Temperature Ratings

	COMPRESSION	THREADED
TEMPERATURE (°C)	-10 to 60	-10 to 85
SHELL PRESSURE (BAR)	16	16

SHELL PRESSURE RATING: PN16**MAX INLET/WORKING PRESSURE:** 16 bar

WRAS APPROVED: 16 bar

MIN OPENING PRESSURE: 0.2 bar**END CONNECTIONS:** Compression to BS EN 1254-2 and taper female threaded to BS EN 10226-2**APPLICATION:** Water**TEMPERATURE RATING:** 85°C maximum - WRAS Approved to 85°C**PED:** This valve is suitable for use on group 2 liquids only as defined by the Pressure Equipment Directive 2014/68/EU

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