

SINGLE CHECK VALVES

D120W / D120CW

Single Check Valves



PN10

Features & Benefits

- Single check valve is suitable for use in domestic water systems to outlets such as taps, mixers and showers to prevent back flow
- Supplied with compression ends complying with BS EN 1252-2 for use with R250 (half hard) copper tube or taper female threaded ends complying with BS EN 10226-2
- Spring assistance enables valve to be installed in horizontal or vertical pipework (flow in upwards direction)
- WRAS approved for use with wholesome (potable) water to 60°C
- Shell pressure rating for D120W and D120CW is PN16 with a maximum inlet/working pressure of 10 bar

Materials

PART	MATERIAL	SPECIFICATION
Body	DZR copper alloy	BS EN 12165 CW602N
Cartridge	Acetal / Polypropylene	-
'O' ring	NBR / EPDM	-
Compression Nut	Brass	BS EN 12164 CW614N
Olive	Brass	-
Plating (Compression)	Nickel Plated	-
Plating (Threaded)	Unplated	-

Dimensions & Weights

Compression - D120CW

SIZE (mm)	A (mm)	B (mm)	C (mm)	WEIGHT (kg)
15	61	45.5	22	0.10
22	65	50	31.5	0.18
28	72	56.5	39	0.29

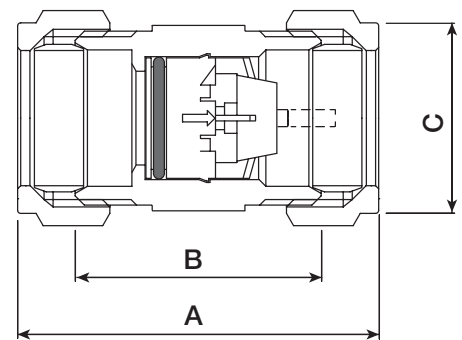
Threaded - D120W

SIZE (inch)	A (mm)	B (mm)	WEIGHT (kg)
1/2	42	24	0.06
3/4	50	32	0.13
1	60	38	0.17
1 1/4	79	46	0.41
1 1/2	83.5	53	0.59
2	101	64	0.96

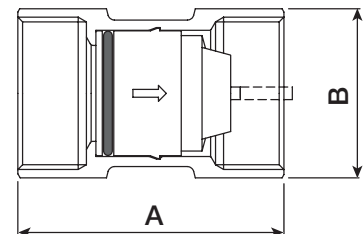


PUBLIC HEALTH

Dimensional Drawing



Compression



Threaded

Pressure/Temperature Ratings

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

SHELL PRESSURE RATING: PN16

MAX INLET/WORKING PRESSURE: 10 bar

WRAS APPROVED: 10 bar

MIN OPENING PRESSURE: 0.1 bar

END CONNECTIONS: Compression to BS EN 1252-2 and taper female threaded to BS EN 10226-2

APPLICATION: Water

TEMPERATURE RATING: 85°C maximum - WRAS Approved to 60°C

PED: This valve is suitable for use on group 2 liquids only as defined by the Pressure Equipment Directive 2014/68/EU

Valid as of 12/09/18

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