

BI dzt

single check valve



WRAS
APPROVED
PRODUCT

altecnic

BI dZR single check valve



Application

The Altecnic range of single check valves are used to help prevent the risk of backflow and back siphonage contamination in domestic dwellings, public and commercial buildings.

Many water outlets such as thermostatic shower valves, thermostatic taps or outlets supplied via a thermostatic mixing valve incorporate a single check valve in the connection tails. By installing an additional single check valve in the same supply pipe a non-verifiable double check valve is created, which will prevent backflow and contamination of the water supply.

The valves can also be used with showers and taps which do not have a check valve in their supply connection to prevent backflow.

The internal check valve cartridge enables the valves to be installed in horizontal or vertical pipework, with the flow in the upwards direction.

The spring assistance gives rapid closure, preventing flow reversal and hydraulic shock.

Design

Altecnic single check valves comply with BS EN 13959 'Anti-pollution check valves' family E, type B - non-controllable.

Altecnic non-verifiable single check valves are manufactured from DZR copper alloy with a nickel-plated finish, to enhance the appearance for exposed installations.

The valves provide category 2 protection for both backflow and back siphonage as specified in the Water Supply (Water Fittings) Regulations 1999.

The valves are designed for high flow rates with minimum pressure drops.

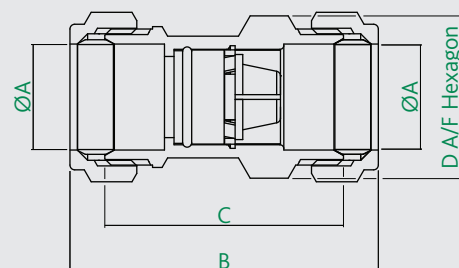
Supplied with compression ends complying with BS EN 1252-2 for use with R250 (half hard) copper tube.

Construction Details

Component	Material	Grade
Body	DZR copper alloy	BS EN 12420 CW602N
Cartridge	Plastic	
Cartridge Retaining Clip	Stainless steel	AISI 304
'O' ring	NBR rubber	
Compression Nut	Brass	BS EN 12164 CW614N
Olive	Brass	

Product code	Size	Connections
BI-100034	15mm	copper x copper
BI-100S22	22mm	copper x copper
BI-100S28	28mm	copper x copper

Dimensions



Product Code	ØA	B	C	D A/F	kg
BI-100034	15	61	45.5	22	0.10
BI-100S22	22	65	50	31.5	0.18
BI-100S28	28	72	56.5	39	0.29

Technical Data

Max inlet pressure:	10 bar
Min inlet pressure:	0.1 bar
Max continuous temperature:	85°C
Conforms to:	BS EN 13959
WRAS approved product	

Installation

The valves are very simple to install with just two joints to make.

The flow through the valves must follow the direction arrow on the valve body.

E & O.E

Altecnic Ltd Mustang Drive, Stafford, Staffordshire ST16 1GW

T: +44 (0)1785 218200 E: sales@altecnic.co.uk

Registered in England No: 2095101

altecnic.co.uk

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