AI-903 dzr

double check valve





WRAS APPROVED PRODUCT

altecnic
Caleffi group

AI-903 dzr double check valve





Application

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

The smaller sizes should be installed close to the water outlet such as taps, basin taps, showers and toilets to prevent back siphonage contamination to the water supply, should a mains supply pipe burst.

The larger sizes are installed in the main cold water supply inside public and commercial buildings.

Design

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

The Altecnic non verifiable double check valves are manufactured from DZR copper alloy with a chrome (15 to 28mm only) or nickel (½" to 1" only) plated finish, to enhance the appearance for exposed installations.

The valves provide category 3 protection for both backflow and back siphonage as specified in the Water Supply (Water Fittings) Regulations 1999.

Supplied with an integral test point for monitoring the function of the downstream check valve.

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

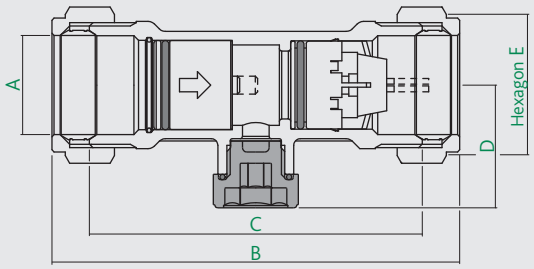
Supplied with compression ends complying with BS EN 1252-2 for use with R250 (half hard) copper tube or female taper threads complying with BS EN 10226- 2.

Construction Details

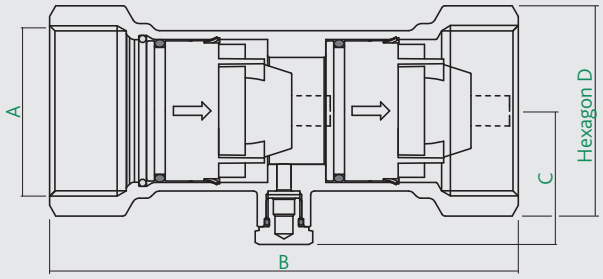
Component	Material	Grade
Body	DZR copper alloy	BS EN 12420 CW602N
Cartridge	POM	
Cartridge Retaining Clip	Stainless steel	AISI 302
Test Plug	See product Code table	
'O' ring	Nitrile/EPDM rubber	
Compression Nut	Brass	BS EN 12165 CW617N
Olive	Brass	BS EN 12449 CW508LM

Product code	Size	Connections	Test Plug
AI-903215	15mm	copper x copper	nylon
AI-903222	22mm	copper x copper	nylon
AI-903228	28mm	copper x copper	nylon
AI-903015	½"	f x f screwed iron	brass
AI-903020	¾"	f x f screwed iron	brass
AI-903025	1"	f x f screwed iron	brass
AI-903032	1¼"	f x f screwed iron	brass
AI-903040	1½"	f x f screwed iron	brass
AI-903050	2"	f x f screwed iron	brass

Dimensions



Product Code	ØA	B	C	D	E A/F	kg
AI-903215	15	79	61.5	24.5	24	0.15
AI-903222	22	92	75	27.5	31.5	0.19
AI-903228	28	106	89	30.5	39	0.29



Product Code	A	B	C	D A/F	kg
AI-903015	G½	64	18	24	0.15
AI-903020	G¾	78	21	32	0.24
AI-903025	G1	77	25	38	0.36
AI-903032	Rc1¼	118	33.5	46	0.49
AI-903040	Rc1½	131.5	37.5	53	0.51
AI-903050	Rc2	181	37.5	64	0.82

Technical Data

Max inlet pressure:	10 bar
Min inlet pressure:	0.2 bar
Max continuos 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.

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