

AI-903 dzt

double check valve



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	Plastic	
Cartridge Retaining Clip	Stainless steel	AISI 304
Test Plug	Nylon/Brass	
'O' ring	Nitrile/EPDM rubber	
Compression Nut	Brass	BS EN 12164 CW614N
Olive	Brass	

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

E & O.E

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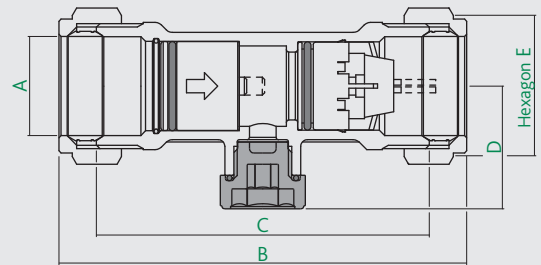
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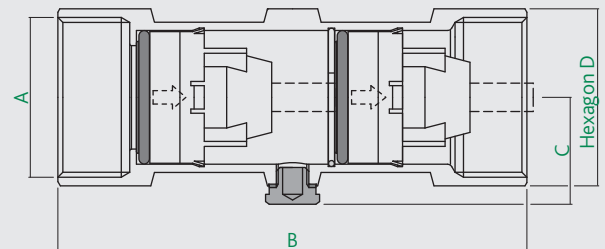
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AL 059 24-06-14

Dimensions



Product Code	ØA	B	C	D	E A/F	kg
AI-903215	15	79	62	24.5	24	0.15
AI-903222	22	92	75	27.5	31.5	0.19
AI-903228	28	107	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	124	28.5	46	0.40
AI-903040	Rc1½	141	32.0	53	0.50
AI-903050	Rc2	182	37.5	64	0.60

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.