

# Everyvalve Ltd

## AI-E9031 dzt

double check valve



**WRAS**  
APPROVED  
PRODUCT

# AI-E9031 dzr double check valve



## Application

The 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

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

The non verifiable double check valves are manufactured from DZR copper alloy with a chrome (15 to 28mm only) or nickel (1/2" 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.

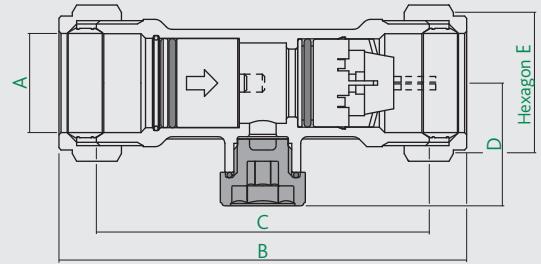
## Construction Details

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	

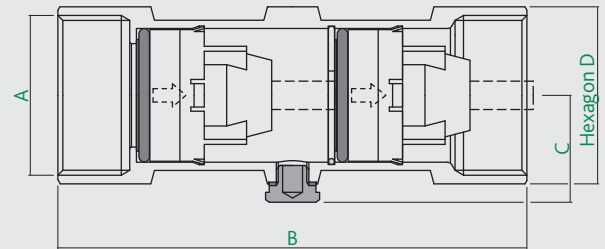
Product code	Size	Connections
03215	15mm	copper x copper
03222	22mm	copper x copper
03228	28mm	copper x copper
03015	1/2"	f x f screwed iron
03020	3/4"	f x f screwed iron
03025	1"	f x f screwed iron
03032	1 1/4"	f x f screwed iron
03040	1 1/2"	f x f screwed iron
03050	2"	f x f screwed iron

## E & O.E

## Dimensions



Product Code	ØA	B	C	D	E A/F	kg
03215	15	79	62	24.5	24	0.15
03222	22	92	75	27.5	31.5	0.19
03228	28	107	89	30.5	39	0.29



Product Code	A	B	C	D A/F	kg
03015	G1/2	64	18	24	0.15
03020	G3/4	78	21	32	0.24
03025	G1	77	25	38	0.36
03032	Rc1 1/4	124	28.5	46	0.40
03040	Rc1 1/2	141	32.0	53	0.50
03050	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.