

BA-032

non return valve



altecnic

BA-032 non return valve with sample port



Application

The Altecnic non return valve has a resilient disc facing and spring assistance, for rapid closure.

This enables the valve 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.

If the system becomes hydraulically locked by the downstream pressure keeping the valve closed, the test port plug can be removed to release the pressure.

The sample port can be used to take water samples from the system should it be required and to drain local pipework.

The valve is ideally suitable for use in heating system.

The valve can also be close coupled to the BA-0300 foot filter to make a foot valve and strainer for use in tanks and reservoirs.

The NBR rubber disc facing makes the valve suitable for use on water, oil and other industrial services.

Design

The non return valve is uni-directional.

Sample port with M5 thread.

The spring is manufactured from AISI 302 stainless steel, giving good corrosion and fatigue resistance.

The NBR rubber disc facing enables the valve to be used up to a maximum temperature of 110°C.

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

Construction Details

Component	Material	Grade
Body	Brass	BS EN 12165 CW617N
Disc		POM plastic
Retainer and guide	POM plastic	
Disc facing ring	NBR rubber	
Ring retainer	Brass	BS EN 12165 CW617N
Spring	Stainless steel	AISI 302
Compression nut	Brass	BS EN 12164 CW617N
Olive	Brass	

Product Code	Size	Connections
BA-032015000	15	compression x compression
BA-032022000	22	compression x compression
BA-032028000	28	compression x compression

E & O.E

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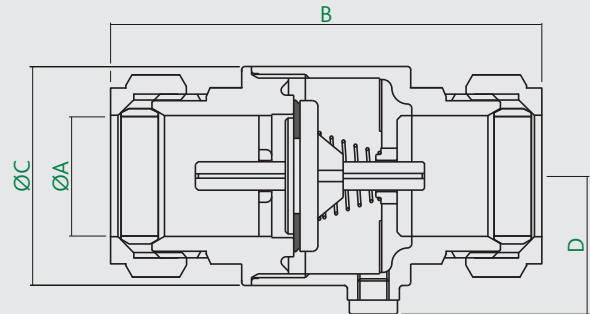
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Dimensions



Size	A	B	C	D	kg
BA-032015000	15	74	30	21	0.165
BA-032022000	22	81	37	25	0.265
BA-032028000	28	90	44	28	0.380

Technical Data

Max. Temperature:	110°C
Pressure / Temperature Rating:	BS EN 1254-2
Max. Temperature at 16 bar:	30°C
Max. Temperature at 10 bar:	65°C
Max. Temperature at 6 bar:	110°C
Min. Opening Pressure:	0.02 bar
End Connections:	BS EN 1252-2
Sample Port Thread:	M5 x 0.8

Pressure - Temperature Diagram

