

CA-300001 & CA-30000X robofil

filling loops



altecnic

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Application

The Altecnic CA-300001 & CA-30000X filling loops are used to fill and pressurise domestic central heating systems or in apartment blocks to fill and pressurise the secondary heating systems of Heat Interface Units (HIUs).

The filling loop MUST be installed in accordance with requirements of the Water Regulations Guide -1999, Schedule 2, Section 8, Paragraphs G24.1 and G24.2.

The components of the CA-300001 filling loop meet the requirements of paragraphs G24.1 and G24.2 by consisting of;

- An approved backflow prevention device - a double check valve.
- A temporary connecting pipe - a removable flexible hose.
- Pressure reducing valve (PRV) set at 1.5 bar.
- A service valve - isolating ball valves.

A double check valve is suitable to provide protection against a fluid category 3 risk in the case of a house or similar dwellings.

After the system has been filled and pressurised the service valves must be closed and the flexible hose disconnected and stored in a convenient and suitable place until it is required again.

Design

The Altecnic CA-300001 filling loop consists of a double check with an integral ball isolating valve, a flexible hose with union connectors, sealing washers and a ball isolating valve.

The CA-30000X filling loop has the same components as the CA-300001 but with the addition of a pressure reducing valve.

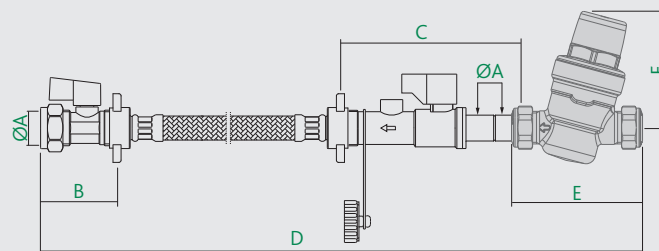
The PRV is designed to allow prolonged filling at 1.5 bar. Once the system is full and vented the flexible hose must still be removed as per the regulations.

The double check valve is manufactured in DZR material whilst the ball valve and pressure reducing valve are manufactured in brass, all with a chrome plated finish for an aesthetic appearance.

The outer layer of the flexible hose is manufactured from braided stainless steel for strength and flexibility.

The outlet connection from the ball valve and connections to the pressure reducing valve is a 15mm compression joint complying with BS EN 1252-2 for use with R250 (half hard) copper tube.

Dimensions



Prod. Code	ØA	B	C	D	E	F	kg
CA-300001	15				84	74.5	

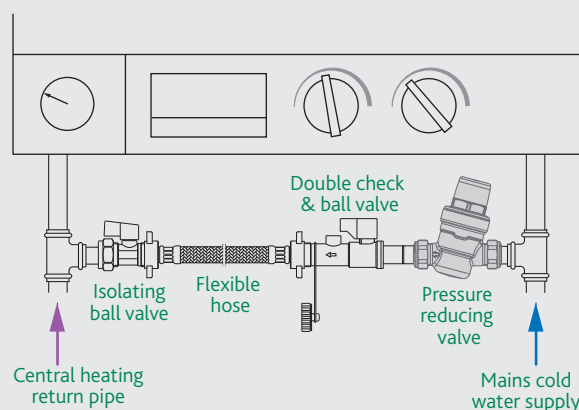
Construction Details

Component	Material	Grade
Ball valve	Brass	BS EN 12164 CW614N
Pressure reducing valve	Brass	BS EN 12164 CW614N
Double check valve	DZR	
Flexible hose	Stainless Steel	AISI 304
Compression nut	Brass	
Olive	Brass	

Technical Data

Max. inlet pressure:	10 bar
Min. inlet pressure:	0.1 bar
Pressure reducing valve set pressure:	1.5 bar
Max. continuous temperature:	85°C
Double check valve conforms to:	BS EN 13959
WRAS approved product	

Typical Instalation



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