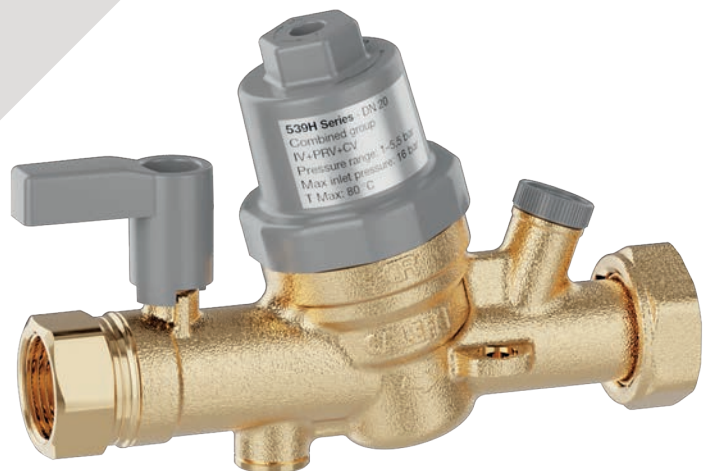


133-5031

539050H

apartment control assembly



altecnic
CALEFFI group

133-5031 - 539050H apartment control assembly



The Altecnic apartment control assembly combines several functions into a monobloc body.

Design

The Altecnic 539050H apartment control assembly consists of a ball isolating valve, pressure reducing valve, single check valve, test port, threaded inlet connection, and a swivel outlet connection whilst the 133-5031 has the same features but is supplied with a pressure gauge and insulation.

BS EN 12165 CW724R is a dezincification low lead brass alloy which is 4MS compliant.

The apartment control assembly is a WRAS approved product.

The Altecnic apartment control assembly is supplied with a bespoke moulded insulation shell to minimise heat loss or on cold water applications heat gain and a 0 to 10 bar pressure gauge.

The pressure reducing valve has a self-contained cartridge which is factory set at 3 bar but is adjustable between 1 to 5.5 bar.

The 1/4" test port is suitable for use with a pressure gauge, temperature probe or monitoring purposes.

The swivel outlet connection makes connecting a water meter quick and easy.

Product Range

Ref No	Description
133-5031	3/4" x 1" apartment control assembly complete with insulation and pressure gauge.
539050H	3/4" x 1" apartment control assembly

Accessories

CBN539050	insulation shell
557010	pressure gauge 1-10 bar, 1/4 BSP back fitting, 40 dial

Technical Specification

Max. pressure:	16 bar
Max. temperature:	80°C
Test ports:	G1/4

Pressure reducing valve

Pressure adjustment range:	1 to 5.5 bar
Factory set pressure:	3 bar
Strainer mesh:	0.51 mm
Designed to:	BS EN 1567

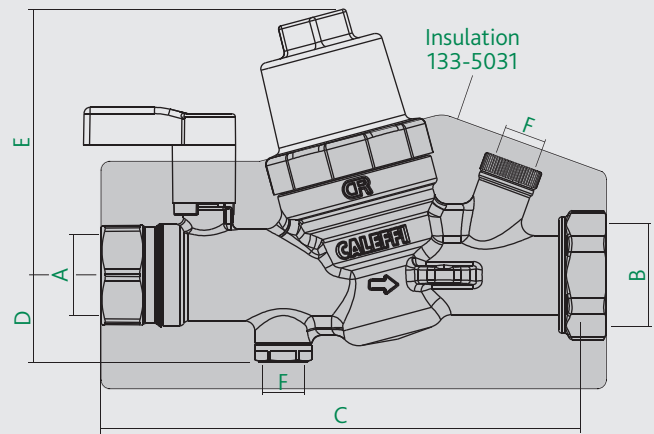
Check valve

Designation:	family E, type A
Designed to:	BS EN 13959
Minimum opening pressure Δp :	0.5 kPa

Pressure gauge

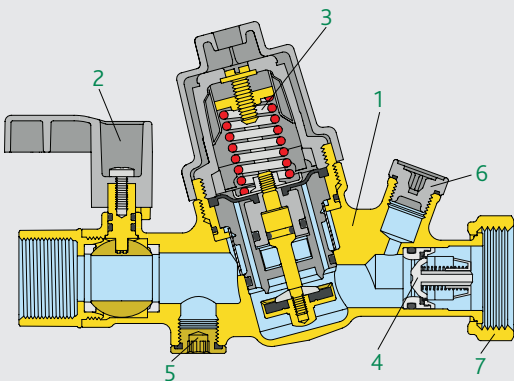
Range:	0 to 10 bar
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Dimensions



Ref No	A	B	C	D	E	F	kg
133-5031	Rp3/4	G1	151.2	24.5	83.7	G1/4	0.8
539050H	Rp3/4	G1	151.2	24.5	83.7	G1/4	0.8

Components



- 1 Monobloc body
- 2 Ball isolating valve
- 3 Pressure reducing valve cartridge with filter (BS EN 1567)
- 4 Check valve - EA type (BS EN 13959)
- 5 Upstream test port
- 6 Downstream test port
- 7 Swivel nut

133-5031 - 539050H apartment control assembly

Materials and Construction

Component	Material	Grade
Body	DZR	BS EN 12165 CW724R
Ball Valve		
Ball	DZR	BS EN 12165 CW724R
Ball seat	PTFE	
Stem	DZR	BS EN 12164 CW724R
Stem seals	EPDM	
Lever	Nylon	PA6G30
Pressure Reducing Valve		
Inner cover	Nylon	PA66GF30
Outer cover	Nylon	PA66GF30
Control stem	Stainless Steel	BS EN 10088-3
Cartridge	Polymer	PPSG40
Spring	Steel	BS EN 10270-1
Internal components	Polymer	PSU
Diaphragm	EPDM	
Seals	EPDM	
Strainer screen	Stainless steel	BS EN 10088-3
Check Valve		
Cartridge		Polypropylene
Spring	Stainless St	BS EN 10088-3
Seals	EPDM	
Insulation		
Material		EPP
Density		40 kg/m ³
Working temperature range		-5 to 80°C
Thermal conductivity - BS EN 12667		0.037 W/(m-K) at 10°C
Reaction to fire (DIN 4102)		class B2

Accessories

Insulation



Pressure gauge



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Altecnic Ltd Mustang Drive, Stafford, Staffordshire ST16 1GW

T: +44 (0)1785 218200 E: sales@altecnic.co.uk

Registered in England No: 02095101

altecnic.co.uk

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