133-5001 & 5002

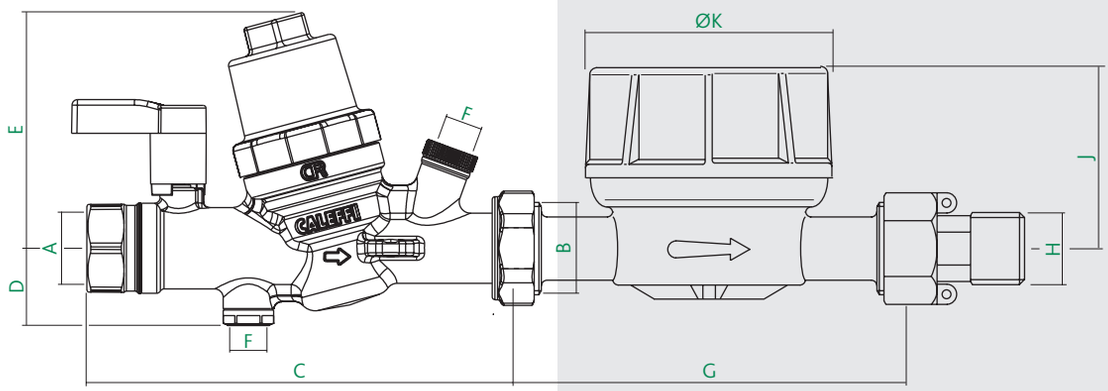
apartment control assembly

WRAS APPROVED MATERIAL

altecnic
CALEFFI group

133-5001 & 5002 apartment control assembly

Dimensions



Ref No	A	B	C	D	E	F	G	H	J	K	kg
133-5001 133-5002	Rp¾	G1	151.2	24.5	83.7	G¼	130	G¾	74	72	1.4

The Altecnic 133-5001 and 133-5002 apartment control assembly combines several functions into a monobloc body with a water meter for use in multi-unit buildings.

Design

The Altecnic apartment control assembly consists of a ball isolating valve, pressure reducing valve, single check valve, port for a pressure gauge, test port, threaded inlet connection, swivel outlet connection and a water meter.

The pressure reducing valve assembly is a WRAS approved product (the water meters are WRAS approved.

A bespoke moulded insulation shell to minimise heat loss or on cold water applications heat gain and a pressure gauge are available.

The pressure reducing valve is factory set at 3 bar but is adjustable between 1 to 5.5 bar.

The test port is suitable for use with a pressure gauge or for a temperature probe.

The Altecnic apartment control assembly is supplied with a water meter, see below.

Product Range

Ref No	Description
133-5001	apartment control assembly c/w cold water meter
133-5002	apartment control assembly c/w hot water meter

Accessories

CBN539050	insulation shell
557010	pressure gauge 1-10 bar, ¼ BSP back fitting, 40 dial

Technical Specification -Pressure Reducing Valve Assembly

Max. pressure:	16 bar
Max. temperature:	80˚C
Pressure adjustment range:	1 to 5.5 bar
Factory set pressure:	3 bar
Pressure gauge range:	0 to 10 bar
Strainer mesh size:	0.51 mm
Test ports:	G¼

Construction Details

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		
Designation		family E, type A
Minimum opening pressure		0.5 kPa
In accordance with		BS EN 13959
Cartridge		Polypropylene
Insulation		
Material		EPP
Density		40 kg/m³
Working temperature range		-5 to 80˚C

133-5001 & 5002 apartment control assembly

Water Meters

Design

The Altecnic super dry range of water meters for hot and cold water applications offers a dependable and accurate reading of water consumption and is ideally suited for use in domestic premises and small commercial buildings.

Super dry dial water meters are suitable for use with turbid water and in hard water areas, containing higher levels of calcium carbonate.

The white dials with black numerals and red indicators makes reading easier, even when light conditions are poor.

Technical Specification

Single jet turbine water meter Super dry dial

360˚ rotating dial for easy reading in any position

Temperature class:	133-5001	T30 - T50
	133-5002	T70 - T90
Measuring range:		R80
Dial range:		0 to 100,000m³
MID approved according to European Directive 2004/22/CE (module B + D)		
In compliance with:		BS EN 14154
		OIML R49/200

	Size		¾"
Q_3	Continuous flow rate	m³/hr	4
Q_4	Max. flow rate for short periods	m³/hr	5
Q_2	Transitional flow rate with measuring range R80 [MPE ± 2%]	l/h	80
Q_1	Min. flow rate with measuring range R80 [MPE ± 5%]	l/h	50
S	Accuracy at measuring range R80	l/h	15
ΔP	Pressure loss class	bar	0.63
MAP	max. working pressure	bar	16

Accessories

Insulation Shell

Pressure Gauge

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