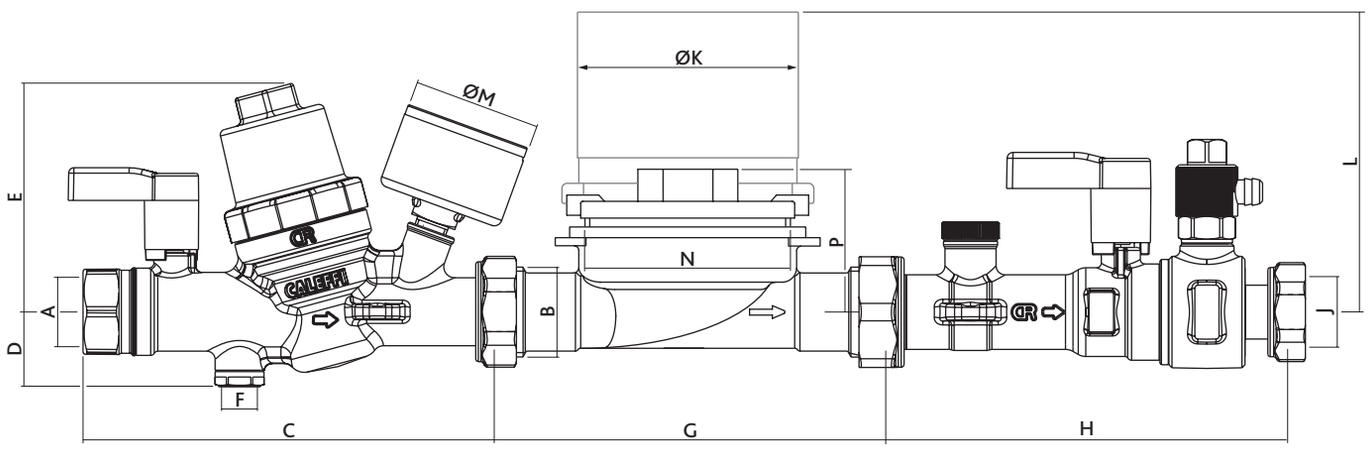
133-5041 to 133-5046

apartment control assembly

SD 120 2-10-2023

Dimensions



Ref No	A	B	C	D	E	F	G	H	J	K	L	ØM	N	P	kg
133-5041 133-5043 133-5045	Rp¾	G1	151.2	24.5	83.7	G¼	130	130.2	G¾	64	90	40	G2	42	
133-5042 133-5044 133-5046	Rp1	G1	151.2	24.5	83.7	G¼	130	130.2	G1	64	90	40	G2	42	

The Altecnic 133-504 apartment control assemblies combine several functions into two monobloc bodies with a carrier for an optional water meter for use in multi-occupancy buildings.

Design

The Altecnic apartment control assemblies consists of;

A monobloc pressure reducing valve assembly consisting of a ball isolating valve, pressure reducing valve, port for a pressure gauge, test port, threaded inlet connection, swivel outlet connection and pressure gauge (this is supplied with the assembly).

A water meter carrier with blanking cap. Along with optional Cold or Hot MBUS meters cartridges.

A monobloc assembly consisting of a double check valve with test port, a ball isolating valve, a drain/air vent and two swivel connections.

The the drain cock is rotatable 360˚ on 2 axes, around the operating stem and the monobloc body.

The pressure reducing valve and double check valve assemblies are made from a dezincification resistant low lead brass alloy to BS EN 12165 CW724R, which is 4MS compliant.

Product Range

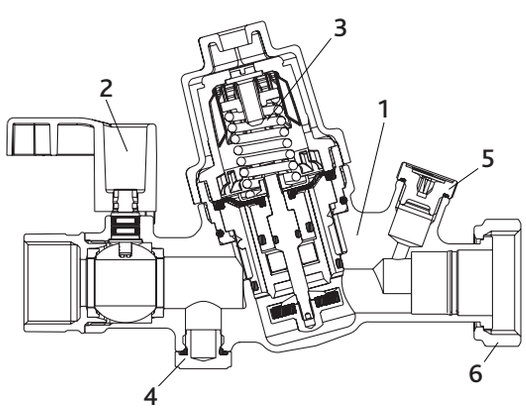
Ref No	Description
133-5041	¾" apartment control assembly blanked
133-5041	1" apartment control assembly blanked
133-5043	¾" apartment control assembly c/w cold water meter
133-5044	1" apartment control assembly c/w cold water meter
133-5045	¾" apartment control assembly c/w hot water meter
133-5046	1" apartment control assembly c/w hot water meter

Pressure Reducing Valve

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 test port is suitable for use with a pressure gauge, temperature probe or for monitoring purposes.

Components



1. Monobloc body
2. Ball isolating valve
3. Pressure reducing valve cartridge with filter (BS EN 1567)
4. Upstream test port
5. Downstream test port
6. Swivel nut

133-5041 to 133-5046

apartment control assembly

SD 120 2-10-2023

Technical Specification

Max. pressure:	16 bar
Max. temperature:	80˚C
Test ports:	G¼

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

Pressure gauge

Range:	0 to 10 bar

Water Meter

Design

The Altecnic water meter 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.

The Altecnic water meter has a dry register with shielded magnetic coupling.

No parts of the register are in contact with the water flow.

The meter is not sensitive to magnetic fields reducing the risk of tampering.

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

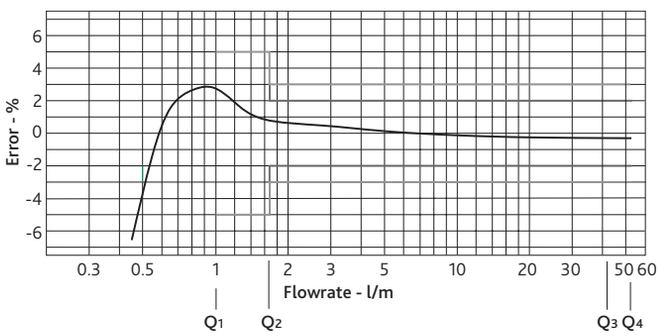
Technical Specification

MID approved according to European Directive 2014/32EU

	Size		¾"
Q_3	Continuous flow rate	m^3/hr	2.5
Q_n	Comparable to normal flow (EWG)	m^3/hr	1.5
Q_4	Max. flow rate for short periods	m^3/hr	3.125
Q_2	Transitional flow rate	l/h	100
Q_1	Min. flow rate	l/h	62.5
Q_3/Q_1	Standard measuring range	R	40V
	Typical starting flow rate	l/h	24
	Display value minimum	l	0.05
	Display value maximum	m^3	9.999
MAP	Operating pressure	bar	10

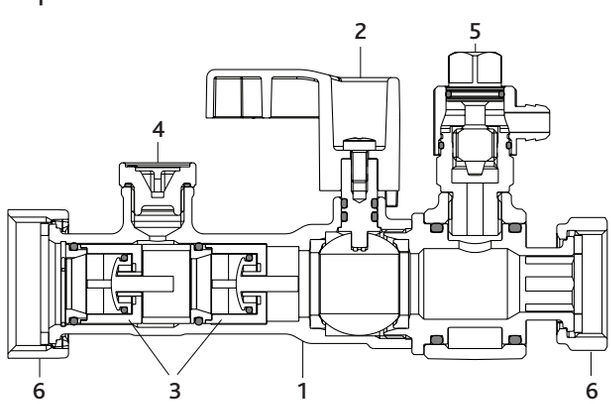
Water Meter

Accuracy Curve



Double Check Valve

Components



1 Monobloc body
2 Ball isolating valve
3 Double check valve
4 Upstream test port
5 Drain valve/air vent
6 Swivel nut

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