HC-10012

Thermostatic Mixing Valve

Application

- Thermostatic mixing valves of this type are used for central regulation of the water temperature in solar-powered, bivalent water heaters.

Feature & Benefits

- Thermostat controls both hot and cold water
- Prevents scalding by accurately controlling the water temperature
- Approved at high and low pressure designations for single outlet



TYPE A



TYPE B

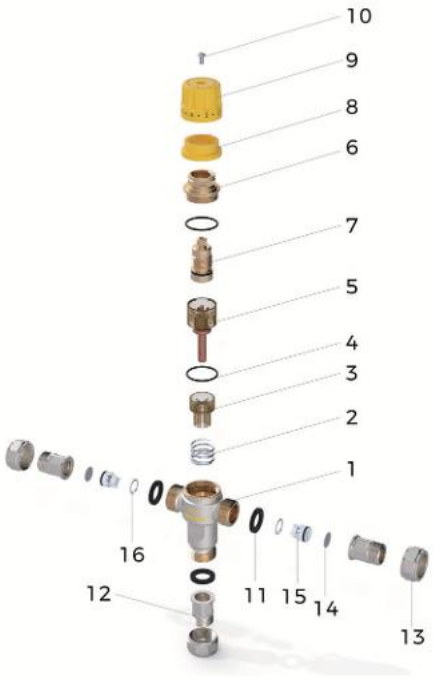
Technical Data

Media	HC-10012		
Medium:	Water		
Connections/Sizes			
Connection size	1/2"	3/4"	1"
Pressure values			
Max. operating pressure:	max. 10 bar		
Maximum pressure	2.5 bar		
Operatingtemperatures			
Max. hot water inlet	110°C		
Setting range	35-55°C		
Preset temperature during	41°C		
Control accuracy:	<±4K		
Specifications			
Specifications	37L/min		
Installation position	Arbitrary		
Material	DZR CW602N		

Connection Standard

- UK END CONNECTION:Taper threaded to BS
- EN10226-2(ISO7-1)formerly BS 21
- ISO228-1 parallel thread
- US END CONNECTION: ANSI B1.20.1
- Available in pex, quick-connect, cpvc end, w/press

Dimensional Drawing



Materials

NO.	PART	Materials	NO.	PART	Materials
1	Body	CW602N	9	Handwheel	ABS
2	Spring	Stainless Steel	10	Screw	Steel
3	Temperature Sensor	PSU	11	Gasket	EPDM
4	O-ring	EPDM	12	Union	CW602N
5	Flow-tube	PSU/T2	13	Nut	CW602N
6	Packing	CW602N	14	Screen	Stainless Steel
7	Stem	CW602/SS/EPDM	15	Core	/
8	Handwheel	ABS	16	Circlip	Stainless Steel

Temperature rang

ITEM	MIN	1	2	3	4	5	6	7	MAX
HC-10012	35	38	40	43	45	47	50	52	55

Installation Dimensions

TYPE	SIZE	L (mm)	H (mm)	d
A	1/2"	132	144	1/2"
A	3/4"	150	152	3/4"
B	3/4"	68	111	3/4"
B	1"	68	111	1"

