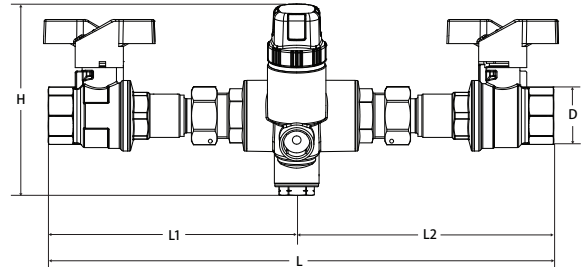


## Domestic Hot Water Balancing Valve

RecircSetter™ | Thermostatic Balancing, Variable Set Point, Dual Isolation, 150 CWP

### TB-120MG



#### FEATURES

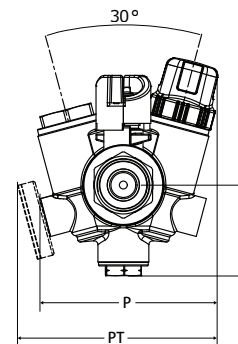
- Dezincification Resistant Brass Alloy
- Variable Temperature Set Point with Protective Cap
- Modulates Flow to Maintain Constant Temperature in Recirculation Loop
- No Balancing Equipment Required
- Drywell with Temperature Gauge Included
- 1/2" NPT Temperature Port (Factory Plugged)
- Equipped with Dual Isolation Ball Valves
- Union Connection on Ball Valves
- Integrated Check Valve in Downstream Isolation Valve
- 100% Made in Italy
- NSF 61 & NSF 372 Certified
- Wetted Surfaces Contain Less than .25% Lead Content
- Accessories Available

#### CERTIFICATIONS/APPROVALS

NSF/ANSI/CAN 61  
NSF/ANSI/CAN 372  
Conforms to ANSI B1.20.1

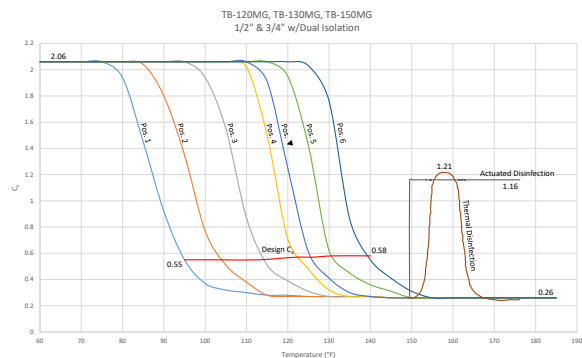
#### PRESSURE/TEMPERATURE RATING

Max Working Pressure: 232 psi  
Max Differential Pressure: 14.5 psi  
Max Working Temperature: 194°F  
Temperature Setting Range: 95°F - 140°F  
 $C_{vmin}$ : 0.26  
 $C_{vmax}$ : 2.06  
 $C_{vdesign}$ : 0.55 - 0.58



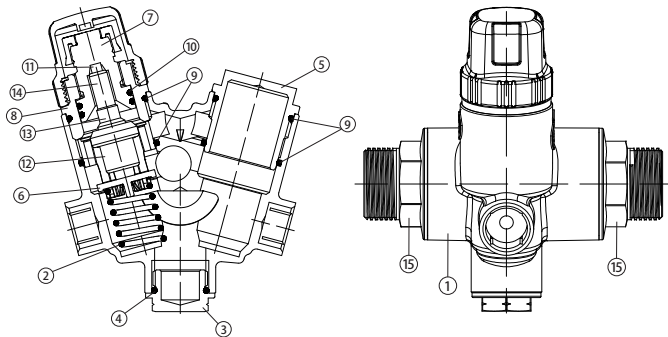
#### DIMENSIONS

Part No	D	L	L1	L2	H	I	P	PT
180-103MG-B-I	1/2"	11.5	5.75	5.75	4.41	1.81	3.58	4.02
180-104MG-B-I	3/4"	11.5	5.75	5.75	4.41	1.81	3.58	4.02



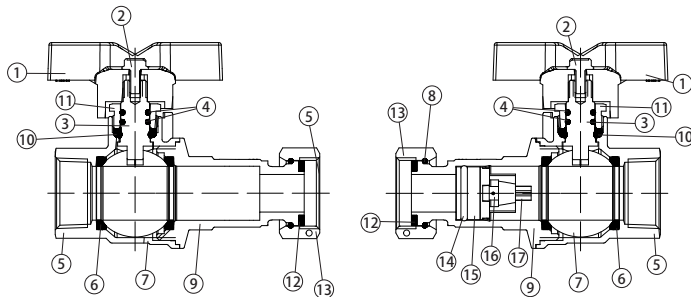
HAND WHEEL SETPOINT TEMPERATURE (°F)									
95°	100°	105°	110°	115°	120°	125°	130°	135°	140°
1	1.6	2.1	2.7	3.2	3.8	▼ 4.4	4.9	5.5	6

## Material Specifications



### MATERIALS

No.	Part	Material
1	Valve Body	LF DZR Brass C27453
2	Spring	Stainless Steel AISI 302
3	1/2" Plug	LF DZR Brass C27453
4	O-Ring	EPDM
5	Auxiliary Cap	LF DZR Brass C27453
6	Piston	PSU
7	Stem	LF DZR Brass C27453
8	Stem Adapter	LF DZR Brass C27453
9	O-Ring	EPDM
10	O-Ring	EPDM
11	Cartridge Piston	Steel
12	Cartridge Cup	Brass C22000
13	Cartridge Guide	Brass C69300
14	Cartridge Sleeve	EPDM
15	End connection FNPT	LF DZR Brass C27453



### MATERIALS FOR TB-120MG ISOLATION VALVE

No.	Part	Material
1	T-Handle	Aluminum
2	Screw	Steel-Geomet Plated
3	Stem	LF Brass C28500
4	O-Ring (2)	EPDM
5	End Connection	LF DZR Brass C27453
6	Seat (2)	PTFE G300
7	Ball	T.E.A. Coated Brass C28500
8	O-Ring	EPDM
9	Body	LF DZR Brass C27453
10	Packing	PTFE G300
11	Packing Gland	LF Brass C28500
12	Union Gasket	EPDM
13	Union Nut	LF DZR Brass C27453
14	Check O-Ring	EPDM
15	Check Body	GF Noryl
16	Spring	Stainless Steel AISI 301
17	Check Rod Plunger	GF Noryl