

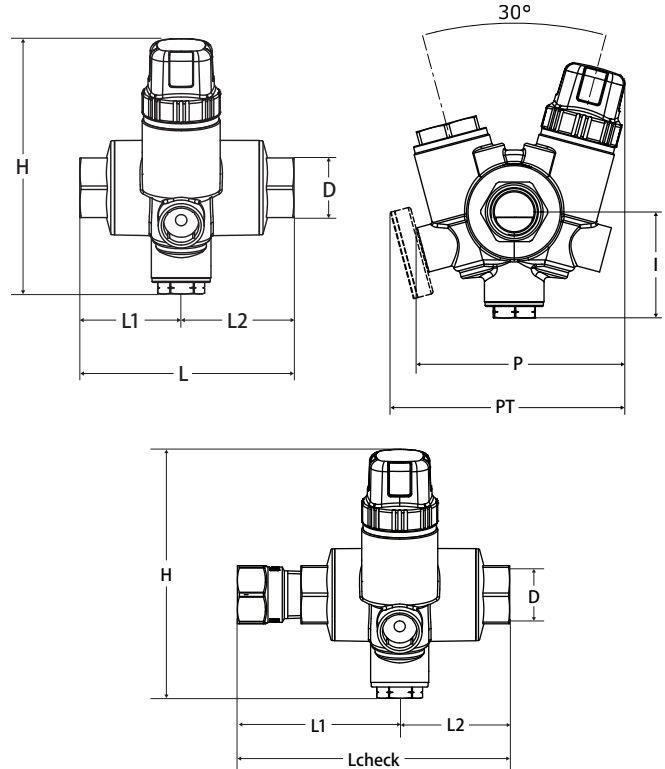
Balancing Valve | RecircSetter™

Thermostatic Balancing, Variable Set Point, with Optional Check Valve, 150 CWP

TB-120G



TB-120G with Optional Check Valve



FEATURES

- Variable Temperature Set Point with Protective Cap
- Modulates Flow to Maintain Constant Temperature in the Recirculation Loop
- No Balancing Equipment Required
- Heat Treated DZR Alloy
- 100% Made in Italy
- Drywell with Temperature Gauge Comes Standard
- Available with Check Valve
- 1/2" NPT Temperature Port (Factory Plugged)

CERTIFICATIONS/APPROVALS

- NSF 61
- NSF 372
- Conforms to ANSI B1.20.1

PRESSURE/TEMPERATURE RATING

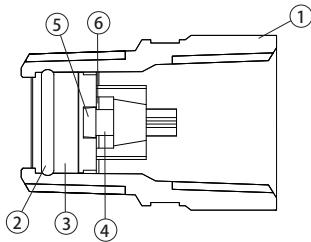
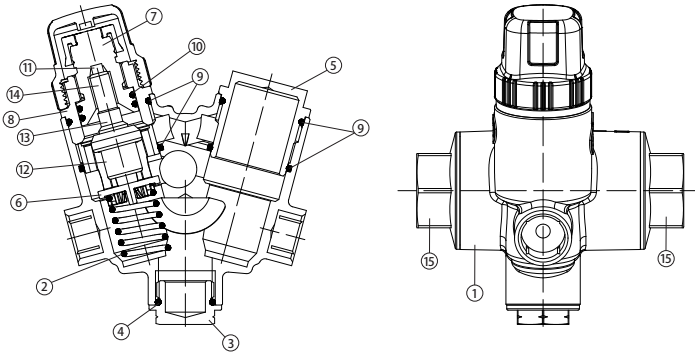
- Max Working Pressure: 232 psi
- Max Differential Pressure: 14.5 psi
- Max Working Temperature: 194°F
- Temperature Setting Range: 95°F - 140°F
- C_{vmin} : 0.23
- C_{vmax} : 2.10
- $C_{vdesign}$: 0.53 - 0.59

DIMENSIONS

Part No	Size	L	L _{check}	L1	L2	H	I	P	PT
180-103G-B	1/2"	3.66	-	1.73	1.93	4.41	1.81	3.58	4.02
180-104G-B	3/4"	3.9	-	1.85	2.05	4.41	1.81	3.58	4.02
*180-103G-B-C	1/2"	-	4.8	2.87	1.93	4.41	1.81	3.58	4.02
*180-104G-B-C	3/4"	-	5.43	3.39	2.05	4.41	1.81	3.58	4.02

*TB-120G with Optional Check Valve

Material Specifications

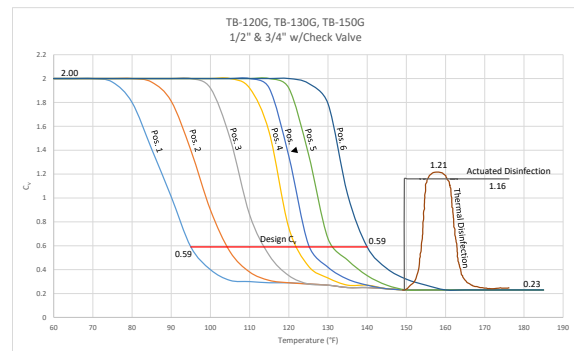
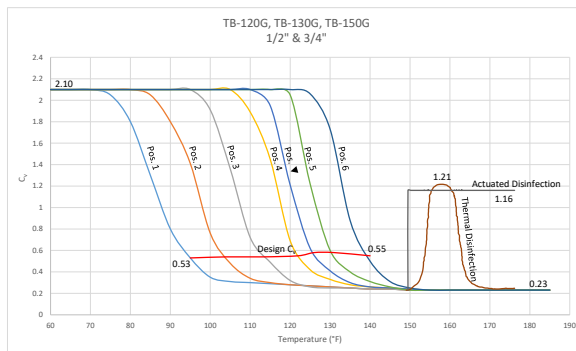


MATERIALS

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-120G CHECK VALVE (OPTIONAL)

No.	Part	Material
1	Body	LF DZR Brass C27453
2	O-Ring	EPDM
3	Check Body	GF Noryl
4	Spring	Stainless Steel AISI 301
5	Check Rod Plunger	GF Noryl
6	Check Lip Seal	EPDM



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	