

Balancing Valve | RecircSetter™

Thermostatic Balancing, Variable Set Point, Thermal Disinfection with Dual Isolation and Integrated Filter Ball® Strainer, 150 CWP

TB-130MFG



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
- 1/2" NPT Temperature Port (Factory Plugged)
- Equipped with Isolation Ball Valve and Filter Ball®
- Union Connections on the Ball Valves
- Integrated Check Valve in Downstream Isolation Valve

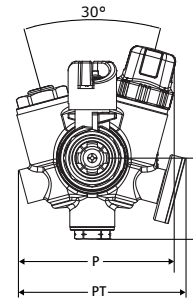
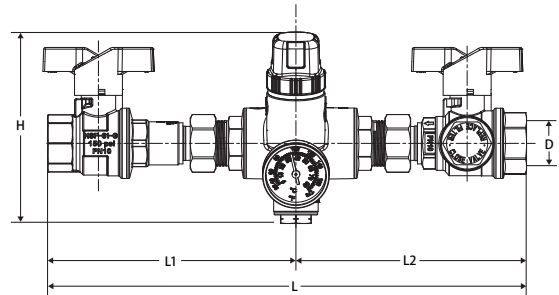
CERTIFICATIONS/APPROVALS

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

PRESSURE/TEMPERATURE RATING

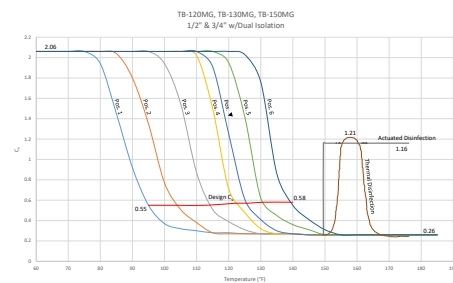
Max Working Pressure: 232 psi
Max Differential Pressure: 14.5 psi
Max Working Pressure: 194°F
Temperature Setting Range: 95°F - 140°F

C_{vmin} : 0.18
 C_{vmax} : 1.90
 $C_{vdesign}$: 0.51 - 0.56
 $C_{vdisinf}$: 1.21



DIMENSIONS

Part No	Size	L	L1	L2	H	I	P	PT
180-103MFG-D-I	1/2"	10.98	5.71	5.31	4.41	1.81	3.58	3.78
180-104MFG-D-I	3/4"	10.98	5.71	5.31	4.41	1.81	3.58	3.78



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



WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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TB-130MFG 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	Thermal Disinfection 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	Sensor Guide	Brass C69300
14	Cartridge Sleeve	EPDM
15	End Connection FNPT	LF Brass C27453
16	Thermal Disinfection Piston	Steel
17	Thermal Disinfection Cup	Brass C22000
18	Thermal Disinfection Guide	Brass C69300

TB-130MFG ISOLATION & FILTER BALL® VALVE MATERIALS

No.	Part	Material
1	T-Handle	Aluminum
2	Screw	Steel-Geomet Plated
3	Stem	LF Brass C28500
4	Isolation O-Ring (2)	EPDM
5	Filter Ball® O-Ring (2)	FKM
6	End Connection	LF DZR Brass C27453
7	Seat (2)	PTFE G300
8	Isolation Ball	T.E.A. Coated Brass C28500
9	Filter Ball® Ball	White Bronze Plated Brass C27453
10	O-Ring	EPDM
11	Body	LF DZR Brass C27453
12	Packing	PTFE G300
13	Packing Gland	LF Brass C28500
14	Union Gasket	EPDM
15	Union Nut	LF DZR Brass C27453
16	Check O-Ring	EPDM
17	Check Body	GF Noryl
18	Spring	Stainless Steel AISI 301
19	Check Rod Plunger	GF Noryl
20	Filter Basket	304 Stainless Steel
21	C-Clip Retainer	Phosphorous Bronze (CuSn6)

