

Masterguard® Commercial Tempering Valve

High flow and temperature rate tempering valve for blending hot and cold water to limit overall hot water temperature (commercial use)

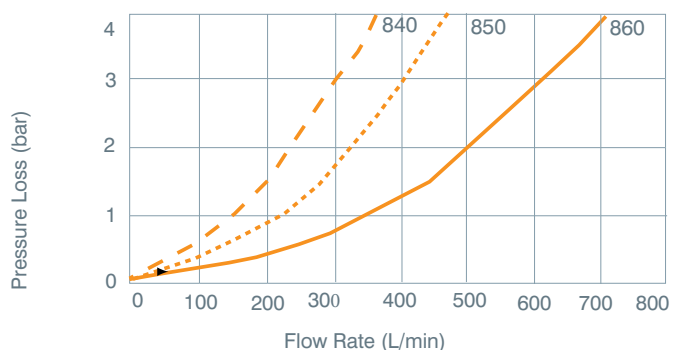
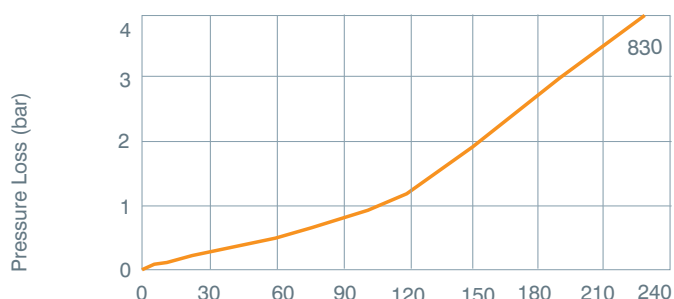
Overview

Reliance Valves Masterguard Commercial Tempering Valve is a high-quality thermostatic tempering valve for system temperature control and commercial hot water distribution. It is designed for use in hot water cylinder applications.

Designed for very high flow rates and temperatures, the valve is primarily used where control and distribution of large sanitary mixed water flows is required. Normally installed within a plant room, Masterguard blends hot and cold water to a safer temperature (typically 50°C) for distribution throughout the building. It also has integrated fixing points to allow for easy wall or floor fixing and can be easily orientated to match inlet pipes.



Flow rates



Features & benefits

- 14-in-1 tempering valve with isolation valves, crossflow protection valves and strainers
- Very high flow rates with an extremely stable outlet temperature
- Adjustable set temperature mechanism with locking feature
- Integrated fixing point allows easy wall or floor mounting
- Simple construction with minimal moving parts reduces maintenance
- Suitable for installation to hot water outlet pipework from a cylinder
- Compatible with copper pipe only

Materials

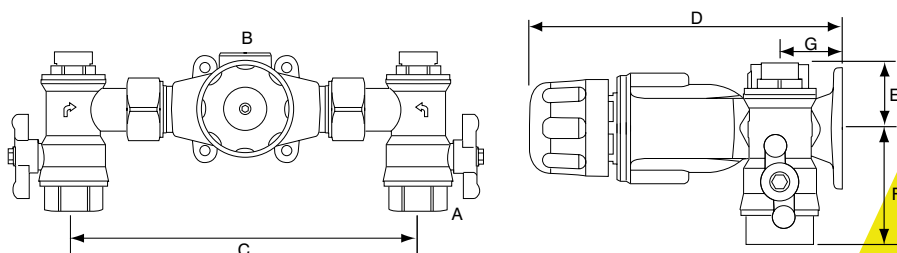
Body	Gunmetal
Inlet fittings	DZR brass, nickel plated
Inlet strainer	Stainless steel
O rings	Nitrile
Springs	Stainless steel
Piston	Polysulfone
Mixing tube	Glass filled noryl
Printed knob	ABS Plastic

Specifications

Factory temperature setting	43°C max
Outlet temperature setting range	35-65°C
Temperatures, hot supply	90°C
Temperatures, cold supply	5-25°C
Minimum hot to mix differential temp	10°C
Temperature stability (nominal)	±2.5°C
Working pressure, static	10.0 bar max
Working pressure, dynamic	0.2 to 6.0 bar
Maximum supply pressure variation	10%

Product code	Description	Size	A	B	C	D	E	F	G
MIX83004	Masterguard 830 4-in-1	1" FBSP	¾"	1"	254	229	48	64	45
MIX84004	Masterguard 830 4-in-1	1¼" FBSP	1"	1¼"	254	229	48	70	45
MIX85004	Masterguard 830 4-in-1	1½" FBSP	1¼"	1½"	349	292	51	51	64
MIX86004	Masterguard 830 4-in-1	2" FBSP	1½"	2"	349	292	51	51	64

Dimensions - All measurements in mm unless otherwise stated



Standards & approvals

WRAS Approved
ASSE1017

