



MASTERGUARD TEMPERING VALVE

MIX83004	1" FBSP Masterguard 830 4-in-1
MIX84004	1¼" FBSP Masterguard 840 4-in-1
MIX85004	1½" FBSP Masterguard 850 4-in-1
MIX86004	2" FBSP Masterguard 860 4-in-1

OVERVIEW

High quality thermostatic tempering valve for system temperature control and commercial sanitary hot water distribution.

Designed for very high flow rates, it is primarily intended for use in applications where control and distribution of large sanitary mixed water flows is required. The Masterguard is commonly located in the plant room to blend hot and cold water to a safer temperature (typically 50°C) for distribution throughout a building.



WATER CONTROLS FOR A MODERN WORLD

RELIANCE

TEMPERATURE
CONTROL

FLOW
CONTROL

HEATING SYSTEM
COMPONENTS

WASHROOM
SYSTEMS

HEATING & COOLING
DISTRIBUTION SYSTEMS

PLUMBING
SYSTEMS

MASTERGUARD TEMPERING VALVE

FEATURES AND BENEFITS

- Integrated fixing point allows easy wall or floor fixing
- Designed for very high flow rates, with extremely stable outlet temperatures
- Adjustable set temperature mechanism with locking feature, allows installer flexibility
- Minimal moving parts and simple construction reduce maintenance service intervals
- 4-in-1 installation fitting provides easy orientation of valve to match inlet pipes, and includes cross-flow prevention, isolation and filtration protection

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%

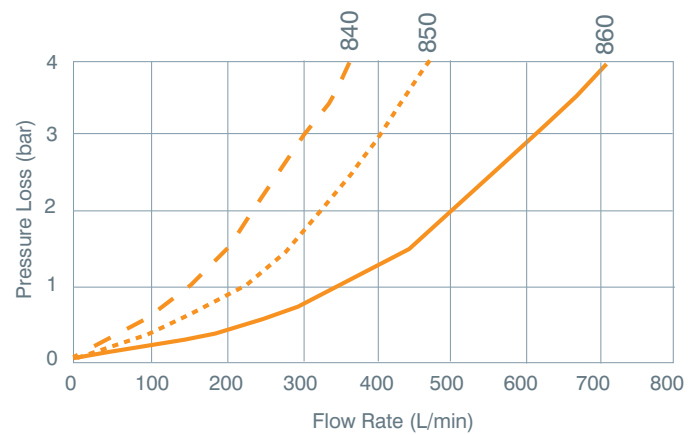
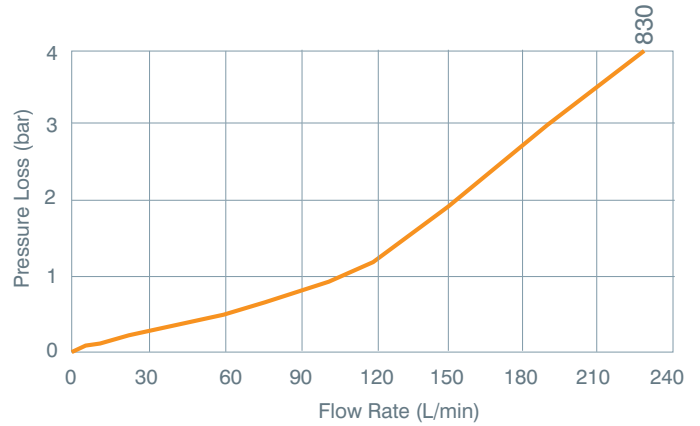
MATERIALS

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

STANDARDS AND APPROVALS

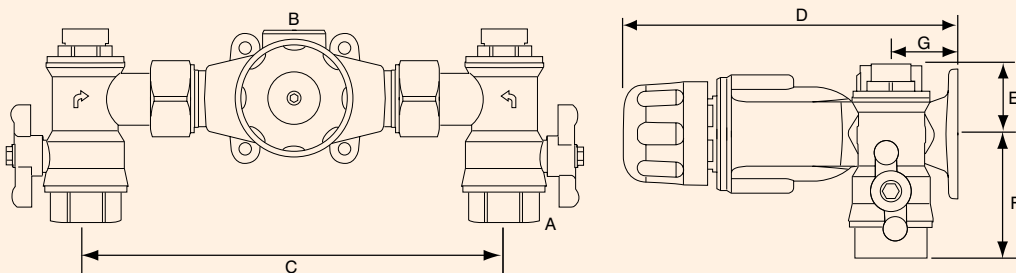
- ASSE1017
- WRAS Approved

FLOW RATES



DIMENSIONS

All dimensions in mm unless otherwise stated.



Code	A	B	C	D	E	F	G
MIX83004	¾"	1"	254	229	48	64	45
MIX84004	1"	1¼"	254	229	48	70	45
MIX85004	1¼"	1½"	349	292	51	51	64
MIX86004	1½"	2"	349	292	51	51	64