

Cash Acme™

Masterguard™ 800 Series Thermostatic Mixing Valve

The Masterguard® 800 Series are high flow rate valves that mix hot water with cold water to deliver water at a safe and controlled temperature, typically 120°F (48.9°C). The adjusting handle can be locked at a desired temperature.

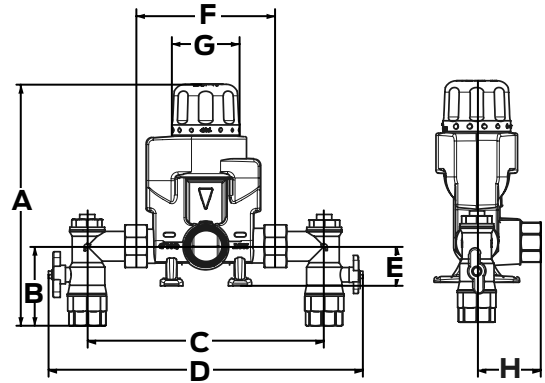
Approved Applications

Commercial and industrial facilities to distribute controlled temperature water to the domestic hot water system of the entire building or a section of the building.

Specification Data

Dimensions (inches)

Size	Connection Style	Part #	A	B	C	D	E	F	G	H	Flow @ 45 psi (GPM)	Min. Flow Rate (GPM)
3/4" Inlet X 1" Outlet	Threaded NPT	24539	10-39/64	3-13/64	10-19/64	13-51/64	1-45/64	6-1/2	3-1/2	2-45/64	51	4
1" Inlet X 1-1/4" Outlet	Threaded NPT	24540	11	3-39/64	10-19/64	13-51/64	1-45/64	6-1/2	3-1/2	2-51/64	75	8
1-1/4" Inlet X 1-1/2" Outlet	Threaded NPT	24541	13-13/64	4-13/64	14-13/64	19-51/64	2-1/2	9-19/64	5-7/64	2-45/64	105	13
1-1/2" Inlet X 2" Outlet	Threaded NPT	24542	13-45/64	4-45/64	14-13/64	19-51/64	2-1/2	9-19/64	5-7/64	1-29/32	149	18.5



Performance

Outlet Temperature Range	95°F-150°F (35°C-65°C)
Factory Set Temperature Range	115°F-120°F (45.5°C-49.5°C)
Hot Supply Temperature Range	120°F-180°F (48.9°C-82.2°C)
Cold Supply Temperature Range	39°F-80°F (3.9°C-26.7°C)
Maximum Pressure	145 psi

Materials

Body	Lead-Free ¹ DZR Brass
Springs	Stainless Steel
Internal Cap	Brass
Piston	PTFE Coated Stainless Steel
Seals	EPDM

¹ For all models, surfaces that are in contact with consumable water contain less than 0.25% lead by weight.

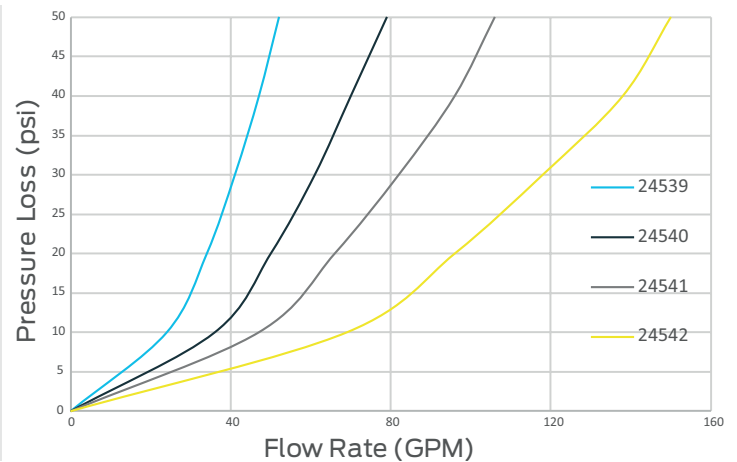
Certifications & Listings

ASSE 1017, NSF/ANSI/CAN 61, CSA B125.3, NSF/ANSI/CAN 372



Refer to local plumbing code

Flow Curve



Product Submittal

Name	
Date	
Architect/Owner	
Contractor	
Tag	
Notes	