



Model MC shown with standard Pressure / Temperature ports

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Product Information

Body: DZR Brass
Flow Cartridge: Series 300 Stainless Steel
 Wear Surfaces with Stainless Steel Spring
Accuracy: ±5%
Rating: 400 psig at 250° F (27 Bar at 120° C)

Compact, T-shaped AutoFlow combination ball valve, AutoFlow regulator and union with four accessory port locations. Unit is factory set to automatically limit the gpm to within 5% of the specified amount. The flow cartridge is removable from the valve body to provide access for gpm changes, inspection, and cleaning without breaking the main piping. The ball valve has Teflon packing, brass packing nut, blowout-proof stem, large diameter plated ball and a handle with vinyl grip. Pressure / Temperature ports are standard.

Dimensions not to be used for construction unless prints certified by factory.

Dimensions

Model	Size in./ (mm)	A in./ (mm)	B in./ (mm)	C in./ (mm)	D in./ (mm)	E in./ (mm)	Weight lb. (kg)	Cv / (Kv)
MC0050	1/2 (15)	3.7 (94)	2.0 (51)	1.8 (46)	0.9 (23)	2.4 (61)	1.7 (.77)	4.5 / (3.9)
MC0075	3/4 (20)	4.2 (107)	2.0 (51)	1.8 (46)	0.9 (23)	2.4 (61)	1.9 (.86)	4.5 / (3.9)

Notes

Dimensions based on F X F connections and will vary with mixed options/connections.
 All weights based on valves with NPT plugs. Weights and dimensions are subject to minor changes.
 Cv's based on the body only without flow cartridge.
 * 1/2" port only, 1/4" available with bushing.
 ** 3/4" FPT available only with adapter (Union side)

Connections

Model	Size	Fixed Connections (Outlet)	Union Connections (Inlet)
MC0050	1/2" (15)	1/2" (15) S, F	3/8" (10) S ** 1/2" (15) S, F, M
MC0075	3/4" (20)	3/4" (20) S, F	3/4" (20) S, M

S = female sweat F = female NPT M = male NPT

Flow Rates

Size	PSID Range	Flow Rate (gpm)
1/2" - 3/4"	2 - 32	0.33, 0.5, 0.75, 0.88, 1.0, 1.1, 1.25, 1.5, 1.75, 2.0, 2.25, 2.5, 3.0
	5 - 60	1.0, 1.5, 2.0, 2.5, 3.0, 4.0, 5.0

Size	kPa Range	Flow Rate (lps)
15 - 20 mm	14 - 220	0.03, 0.05, 0.06, 0.08, 0.09, 0.11, 0.13, 0.14, 0.16, 0.19, 0.33, 0.67, 0.88
	35 - 414	0.06, 0.09, 0.13, 0.16, 0.19, 0.25, 0.32

Model Order Designation

Model / Size
1/2" MC Shown

GPM
1 GPM Shown

MC0050 - 1/2 F/S - MI - 1

Connections

Ball valve end first. See specifications for available connections.
1/2" Female Sweat Shown

Options

Use for options that have specific locations.
Metal ID Tag Shown

S = female sweat F = female NPT M = male NPT

Options Available

- AA Automatic Air Vent
- AV Manual Air Vent
- DL Ext. P/T Port

- EH Extended Handle
- PI Plastic ID Tag
- PL Plug

- SE Stem Extender
- Various convenience fittings are available