

Specification Summary

Basic Model No.	MP15	MP25	MP40	MP50
Size mm (inches)	15mm (0.5")	25mm (1")	40mm (1.5")	50mm (2")
Process connections	BSPP or NPT female, flanged or Hygienic connections			
* Flow range - litres/hr - USgal/hr	10 - 600 lph 2.6 - 130 gph	120 - 3000 lph 32 - 790 gph	250 -8000 lph 66 - 2115 gph	700 - 20000 lph 185 - 5280 gph
Accuracy & Repeatability	± 1% of rate, ± 0.5% of rate, ± 0.03% repeatability typical with steady flows			
Max. pressure - 316L SS - Aluminium - 316L SS (high pressure)	100 bar (1500psi) 30 bar (440psi) 350 bar (5150psi)	100 bar (1500psi) 80 bar (1200psi) 170 bar (5150psi)	100 bar (1500psi) 80 bar (1200psi) 250 bar (5150psi)	38 bar (740psi) 20 bar (300psi)
** Temperature range	-40°C to +150°C (-40°F to +300°F).			
Body, manifold & term. cover	316L stainless steel (1.4404) or Aluminium			
Piston material	PEEK - Polyetheretherketone (standard) or optional Carbon filled Teflon			
O-Ring material	Viton (standard), EPR, Teflon or Buna-N (nitrile)			
Reed Switch output specs. Pulses / litre, nominal (Pulses / US gal. nominal)	30vdc max. voltage / 200mA max. current			
	200 & 400 p / litre (760 & 1520 p/gal)	20 p / litre (76 p / gallon)	7.3 p / litre (28 p / gal)	2.5 / litre (9.5 / gal)
Square Wave output specs. Pulses / litre, nominal (Pulses / US gal. nominal)	5 - 24vdc supply / 20mA max. sink current (3 wire NPN open collector)			
	400 p / litre (1520 p / gallon.)	100 p / litre (380 p / gallon.)	44 p / litre (151 p / gallon.)	20 p / litre (76 p / gallon.)
Protection class	IP66 (NEMA4X) - Optional, Explosionproof Ex d IIB T6			
Conduit entry port	M20 x 1.5mm or 1/2" NPT female threaded			
Dimensions overall (threaded) length x width x height	102 x 75 x 105mm (4' x 3" x 4 1/8")	118 x 100 x 140mm (4 2/3" x 4" x 5 1/2")	181 x 137 x 167mm (7 1/8" x 5.4" x 6.2/3 ")	210 x 170 x 205mm (8 1/4" x 6 3/4" x 8")
Suggested filtering (mesh)	150 microns (100)	250 microns (50)	250 microns (50)	500 microns (25)
* Maximum flowrate may be reduced as viscosity increases (refer to technical applications)				
Single Point Calibrations	2L / min	20L / min	75 L / min	150 L / min

IP66/Exd Explosionproof terminal cover

Pulse output board has both Hall Effect and Reed Switch (Intrinsically safe with approved I.S. barrier)

* Maximum flowrate is to be reduced as viscosity increases. (Flow de-rating guide)