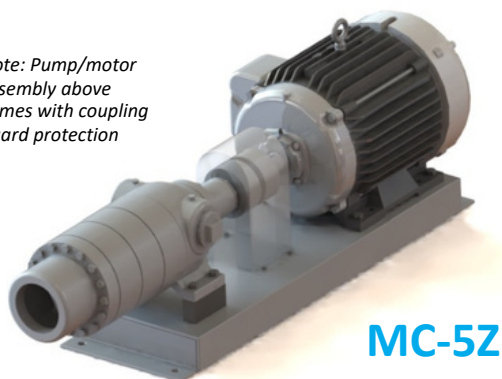


# LARGE CAPACITY PUMPS

## MC-5/H Pumps | Flow Rates of 167– 250 GPM (630 – 946 LPM)

Note: Pump/motor assembly above comes with coupling guard protection



MC-5Z

- Ideal for high capacity bulk transfer
- For higher flow rates, specify our “Large” gear option for 250 GPM
- For increased pump longevity, operate a “non-H” pump at 1500 RPM or lower
- Inlet through the cover to eliminate elbows
- Flanged option pumps (“F”) available in 4” threaded or socket-weld inlet/ 2” threaded, socket-weld, or butt-weld outlet
- Supplied as a complete unit (pump, base, motor, coupling, coupling guard protection) or pump only
- No greasing or lubrication required
- Direct drive reduces maintenance

Pumps Only		Average Delivery Rate (See page 25 for pump performance curves)		Max Differential Pressure	Inlet/ Outlet Size*	Motor**	NPSHr
Model	Motor Speed (RPM)	40 PSID (3 bar)	75 PSID (5 bar)	PSI (BAR)	FNPT (DN)	HP (kW)	Feet (meters)
MC-5, MC-5F  <b>MAX 1800 RPM</b>	1800 (60 Hz)	167 GPM	142 GPM	125 PSI	4” inlet 2-1/2” outlet [2” outlet for flanged version]	10 HP (7.5 kW) over 40 psid (5 bar)	2 ft
	1500 (50 Hz)	(511 LPM)	(409 LPM)	(8 BAR)	(DN 100) inlet (DN 65) (DN 50) flanged	15 HP (11.2 kW) over 75 psid (5 bar)	(0.61 m)
MC-5H, MC-5HF  <b>MAX 1500 RPM</b>	1200 (60 Hz)	128 GPM	100 GPM	125 PSI	4” inlet 2-1/2” outlet [2” outlet for flanged version]	10 HP (7.5 kW) over 40 psid (5 bar)	2 ft
	1500 (50 Hz)	(640 LPM)	(538 LPM)	(8 BAR)	(DN 100) inlet (DN 65) (DN 50) flanged	15 HP (11.2 kW) over 75 psid (5 bar)	(0.61 m)

\*Recommended liquid outlet size on supply tanks/inlet line size: 4-6” (DN 100 – DN 150) \*\*Explosion Proof motors are UL listed and available in 3 phase electricity for 60 Hz (1800 RPM) or 50 Hz (1500 RPM) locations. 3 phase: 208/230/460 V. Motors are base mounted, direct drive as standard option with coupling, coupling guard and thermal overload protection. ATEX/UKEX certified motors also available. For external dimension drawings, please visit [www.smithpumps.com](http://www.smithpumps.com).

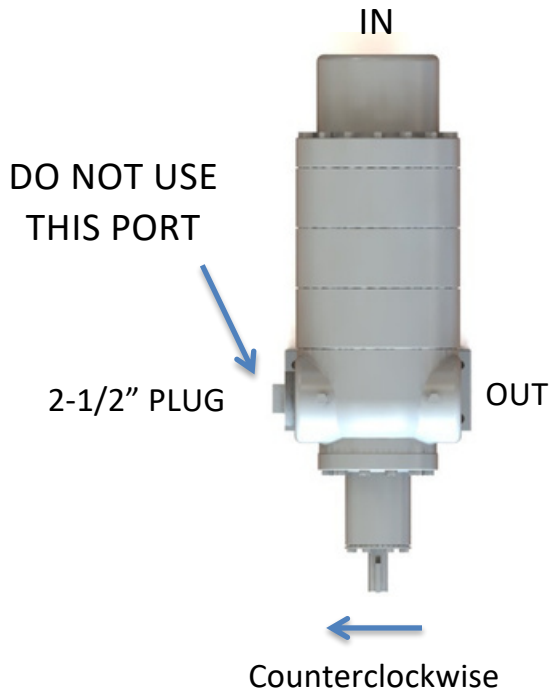


**Threaded Flange**



**Welded Flange**

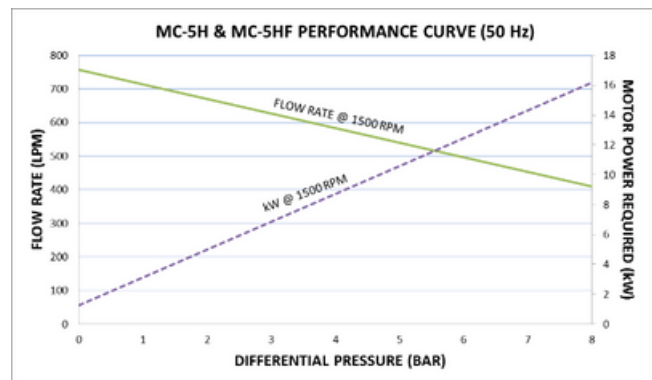
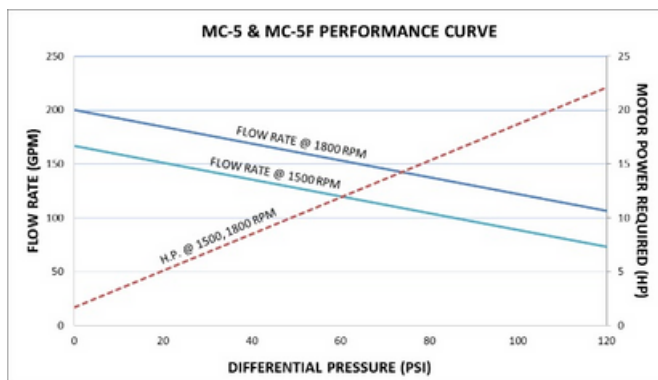
*Flanges are constructed of carbon steel. Other flange materials available upon request.*



Model	Weight (Pump only)	Weight (Pump, base, coupling, coupling guard, motor)
MC-5, MC-5F, MC-5H, MC-5HF	170lbs (77 kg)	465-530 lbs* (211-240 kg)

\* Weight varies depending on motor, contact factory for specific weight

## PUMP PERFORMANCE CURVES



Performance curves based on delivery rates of LP-gas at 70°F (21°C). Actual flow may be 10-15% greater than predicted. Delivery rates will be reduced by approximately 15% at temperatures approaching 32°F (0°C).

Note: For other liquid services or for more information on predicted pump output, please visit our pump performance calculator at [smithpumps.com](http://smithpumps.com).