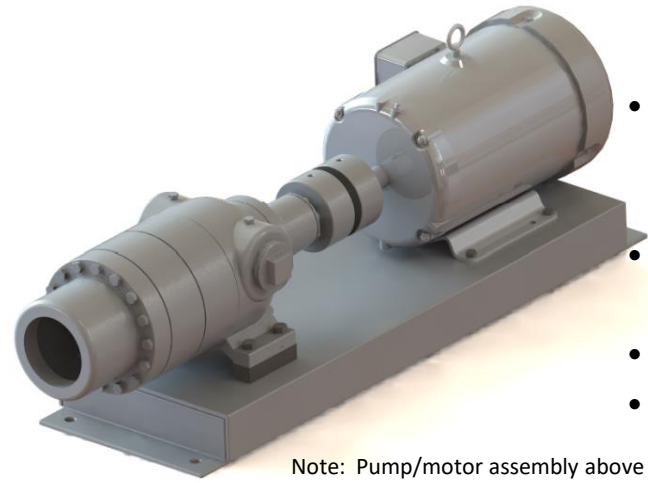


# Large Capacity Pumps

## MC-4/H Pumps

Flow Rates of 125 – 150 GPM (474 – 568 LPM)

- Same design at MC-3/H pumps, but with an added secondary housing for an increased 50 GPM
- Developed for 50 Hz Countries, the MC-4H has identical flow rate as the MC-4 (1800 RPM) when operated at 1500 RPM
- For increased pump longevity, operate a “non-H” pump at 1500 RPM or lower
- Inlet through the cover to eliminate elbows
- Our “F” type pumps come with flanges available in the threaded or welded versions



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

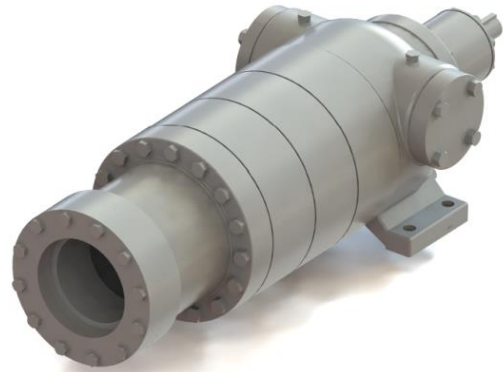
Pumps Only		Average Delivery Rate (See page 2 for pump performance curves)		Max Differential Pressure	Inlet/ Outlet Size*	Motor**	NPSHr
Model	Motor Speed (RPM)	40 PSID (3 bar)	75 PSID (5 bar)	PSI (BAR)	FNPT (DN)	HP (kW)	Feet (meters)
MC-4, MC-4F <b>MAX 1800 RPM</b>	1800 (60 Hz)	125 GPM	105 GPM	125 PSI	4" inlet 2-1/2" outlet [2" outlet for flanged version]	7-1/2 HP (5.6 kW) to 40 psid (3 bar)	1.5 ft
	1500 (50 Hz)	(363 LPM)	(306 LPM)	(8 BAR)	(DN 100) inlet (DN 65) (DN 50) flanged	10 HP (7.5 kW) over 75 psid (5 bar)	(0.5 m)
MC-4H, MC-4HF <b>MAX 1500 RPM</b>	1200 (60 Hz)	96 GPM	75 GPM	125 PSI	4" inlet 2-1/2" outlet [2" outlet for flanged version]	7-1/2 HP (5.6 kW) over 75 psid (5 bar)	1.5 ft
	1500 (50 Hz)	(475 LPM)	(398 LPM)	(8 BAR)	(DN 100) inlet (DN 65) (DN 50) flanged	10 HP (7.5 kW) over 75 psid (5bar)	(0.5 m)

\*Recommended liquid outlet size on supply tanks/inlet line size: 3" (DN 80)

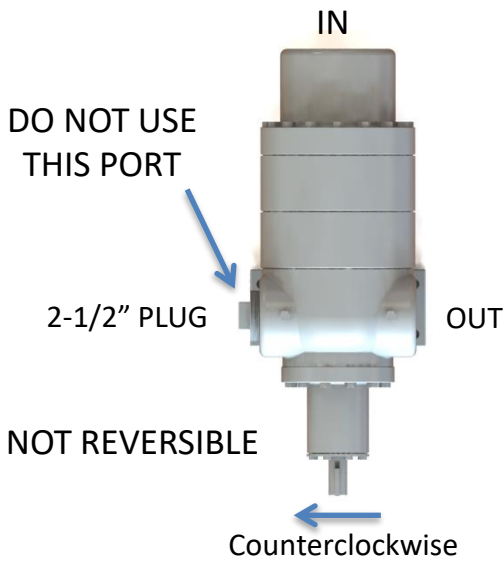
\*\*Explosion Proof motors are UL listed and available in 3 phase electricity for 60 Hz (1800 RPM) or 50 Hz (1500 RPM) locations, 1 phase: 208/230/460 V. All motors contain thermal overload protection and are base mounted, direct drive as standard option with coupling and coupling guard. ATEX certified motors also available. For external dimension drawings, please visit [www.smithpumps.com](http://www.smithpumps.com).



Threaded Flange



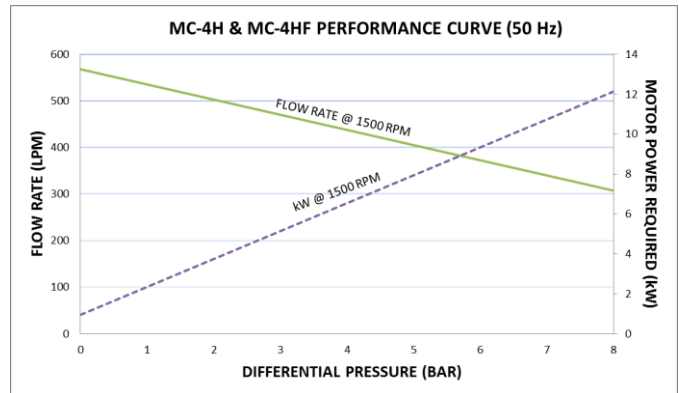
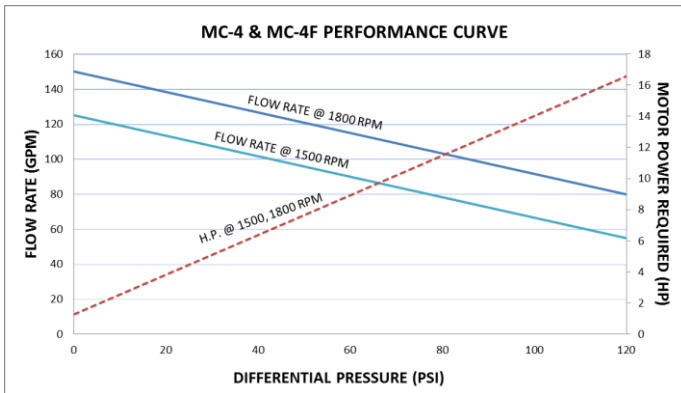
Welded Flange



Model	Weight (Pump only)	Weight (Pump, base, coupling, coupling guard, motor)
MC-4, MC-4F, MC-4H, MC-4HF	135 lbs (62 kg)	450-500 lbs* (204-227 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).