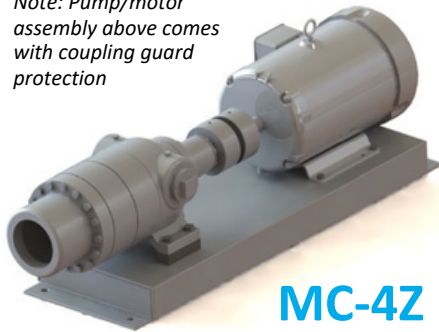


LARGE CAPACITY PUMPS

MC-4/H Pumps | Flow Rates of 125 – 150 GPM (474 – 568 LPM)

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



MC-4Z

- 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
- Flanged option pumps (“F”) available in 4” threaded or socket-weld inlet/ 2” threaded, socket-weld, or butt-weld outlet
- No greasing or lubrication required
- Supplied as a complete unit (pump, base, motor, coupling, coupling guard protection) or pump only
- Direct drive reduces maintenance

Pumps Only		Average Delivery Rate (See page 23 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 MAX 1800 RPM	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 MAX 1500 RPM	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 (5 bar)	(0.5 m)

*Recommended liquid outlet size on supply tanks/inlet line size: 3” (DN 80) **Explosion Proof motors are UL listed and available for 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.

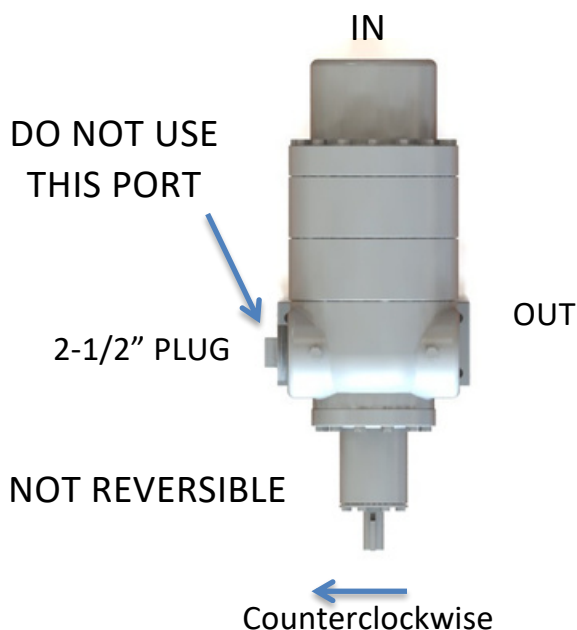


Threaded Flange



Welded Flange

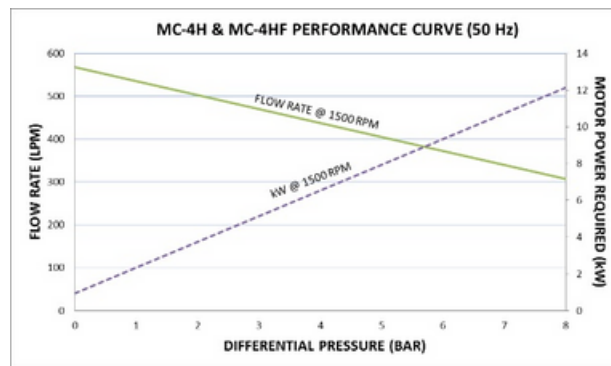
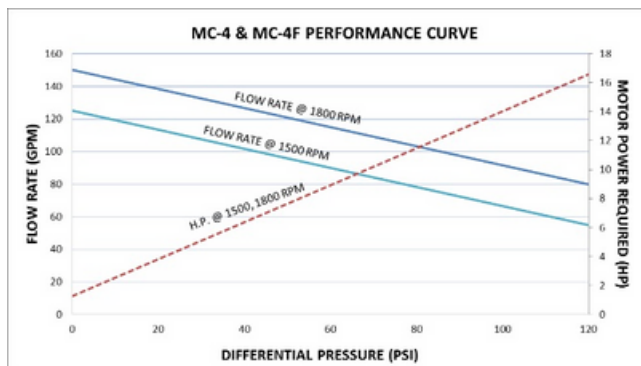
Flanges are constructed of carbon steel. Other flange materials available upon request.



Model	Weight (Pump only)	Weight (Pump, base, coupling, coupling guard, motor)
MC-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.