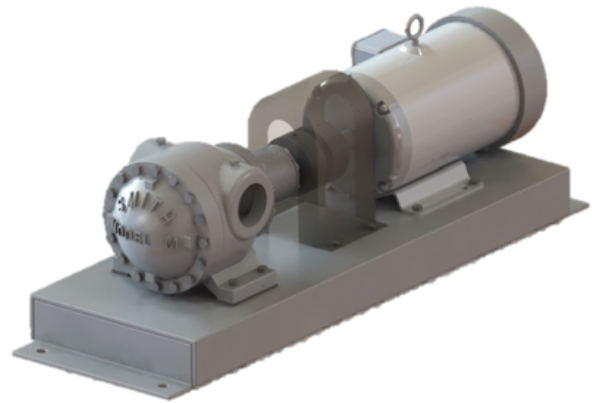


MEDIUM CAPACITY PUMPS

MC-2/H SERIES PUMPS | Flow Rates of 42-50 GPM (160-190 LPM)

- The “workhorse” of small bulk plant installations
- Developed for 50 Hz Countries, the MC-2H has identical flow rate as the MC-2 (1800 RPM) when operated at 1500 RPM
- For increased pump longevity, operate a “non-H” pump at 1500 RPM or lower
- Flanged option pumps (“F”) available in 2” threaded, butt-weld, or socket-weld versions
- No greasing or lubrication required
- Reversible for loading/unloading
- Ideal for installations where 3 phase electricity is not available



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

Pumps Only		Average Delivery Rate (See page 18 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-2, MC-2F MAX 1800 RPM	1800 (60 Hz)	42 GPM	35 GPM	125 PSI	2-1/2" , 2" flanged	3 HP (2.25 kW) to 40 psid (3 bar)	1
	1500 (50 Hz)	(125 LPM)	(102 LPM)	(8 BAR)	(DN 65) (DN 50, flanged)	5 HP (3.7 kW) over 75 psid (5 bar)	(0.3 m)
MC-2H, MC-2HF MAX 1500 RPM	1200 (60 Hz)	32 GPM	25 GPM	125 PSI	2-1/2" 2" (flanged)	3 HP (2.25 kW) to 40 psid (3 bar)	1
	1500 (50 Hz)	(157 LPM)	(134 LPM)	(8 BAR)	(DN 65) (DN 50, flanged)	5 HP (3.7 kW) over 75 psid (5 bar)	(0.3 m)

*Recommended liquid outlet size on supply tanks/inlet line size: 2-3" (DN 50 – DN 80) **Explosion Proof motors are UL listed and available in 1 or 3 phase electricity for 60 Hz (1800 RPM) or 50 Hz (1500 RPM) locations, 1 phase: 230V (suitable for 208V), 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



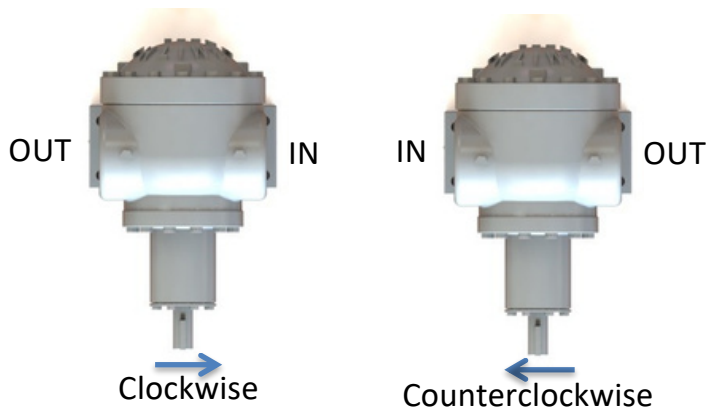
Butt-Weld Flange



Socket Weld Flange

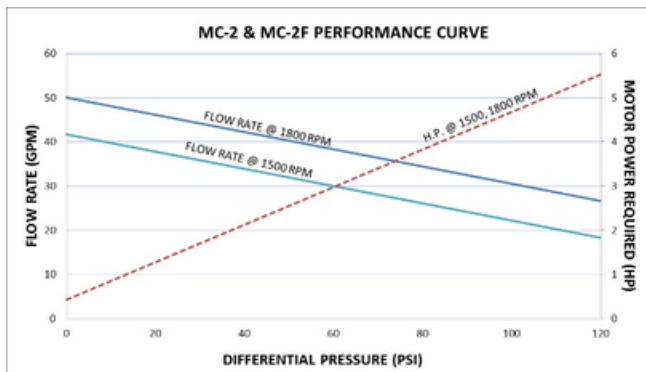
Flanges are constructed of carbon steel. Other flange materials available upon request.

Model	Length of time to fill 5 100 lb (45 kg) LP-gas cylinders	Weight (Pump only)	Weight (Pump, base, coupling, coupling guard, motor)
MC-2, MC-2F @ 1800 RPM	4 minutes	75 lbs (34 kg)	285-350 lbs* (129-159 kg)
MC-2H, MC-2HF @ 1500 RPM	4 minutes	75 lbs (34 kg)	285-350 lbs* (129-159 kg)

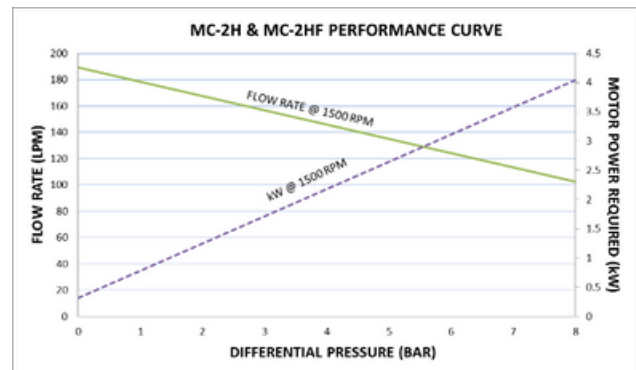


* Weight varies depending on motor, contact factory for specific weight

MC-2/MC-2H pumps are reversible for loading/unloading applications



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.