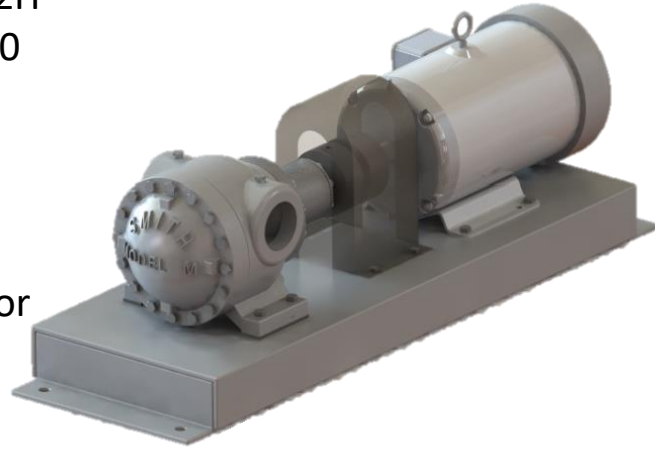


Medium Capacity Pumps

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
- Our “F” type pumps come with flanges available in the 2” threaded, butt-weld, or socket-weld versions
- 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		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	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
MAX 1800 RPM	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	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
MAX 1500 RPM	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: 115/208-230V, 3 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.



Threaded Flange



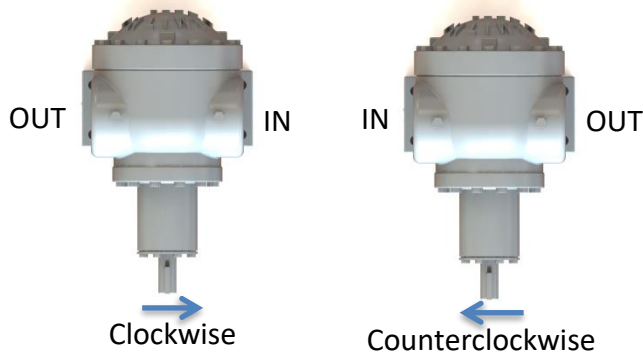
Butt-Weld Flange



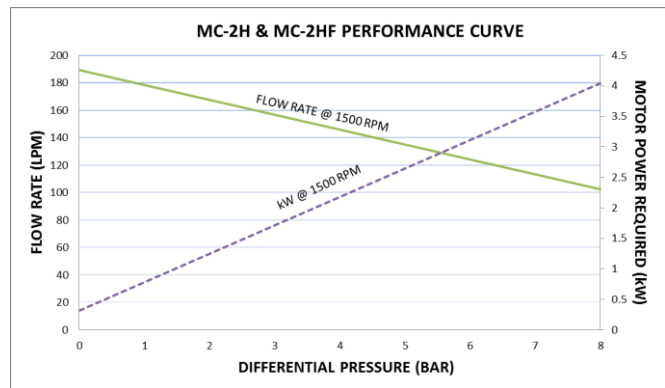
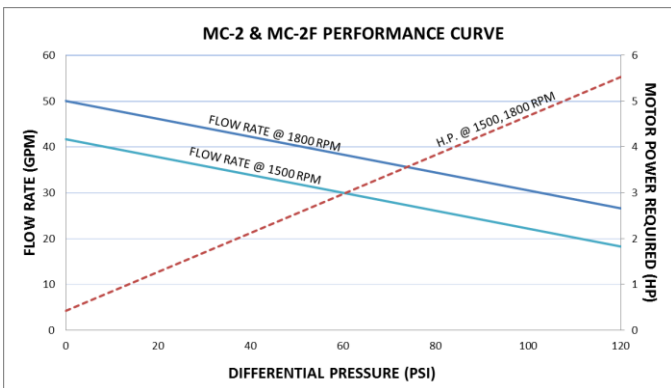
Socket Weld Flange

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.