

MEDIUM CAPACITY PUMPS

MC-1044/H Series Pumps | Flow Rates of 17-35 GPM (65-133 LPM)



MC-1044HZ

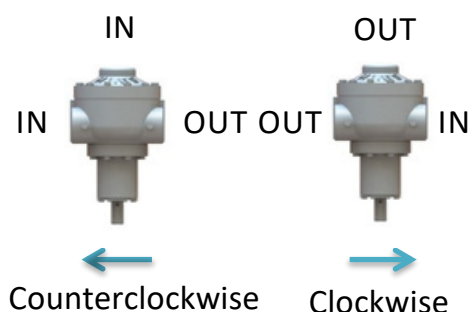
- Ideal for small bulk transfer applications, truck loading/unloading, or filling multiple cylinders at one time
- Extra inlet in cover eliminates elbows. The unused inlet port is plugged. This supplied plug can be moved to meet the desired plumbing configuration.
- Reversible (can be used for loading and unloading)
- Two ¼" NPT ports in main housing for pressure gauge or hydrostatic relief valve
- 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 16 for pump performance curves)		Maximum Differential Pressure	Inlet/Outlet Size*	Motor**
Model	Motor Speed (RPM)	40 PSID (3 bar)	75 PSID (5 bar)	PSI (BAR)	FNPT (DN)	HP (kW)
MC-1044	1800 (60 Hz)	17 GPM	14 GPM	125 PSI	1-1/2"	1-1/2 HP (0.75 kW) to 40 psid (3 bar)
MAX 1800 RPM	1500 (50 Hz)	(27 LPM)	(21 LPM)	(8 BAR)	(DN 40)	2 HP (1.5 kW) over 75 psid (5 bar)
MC-1044H	1800 (60 Hz)	30 GPM	25 GPM	125 PSI	1-1/2"	2 HP (1.5 kW) to 75 psid (5 bar)
MAX 1800 RPM	1500 (50 Hz)	(87 LPM)	(72 LPM)	(8 BAR)	(DN 40)	3 HP (2.25 kW) over 75 psid (5 bar)

*Recommended liquid outlet size on supply tanks/inlet line size: 1-1/2" – 2"

**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: 115/230V (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.

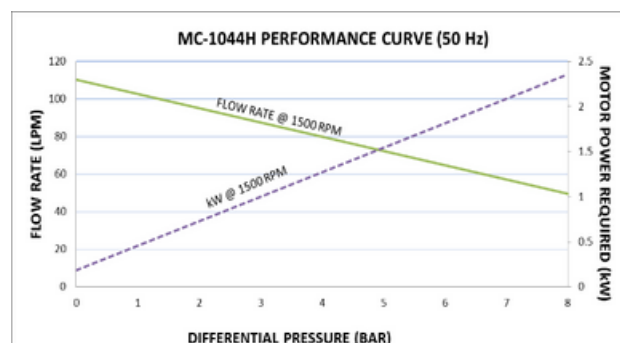
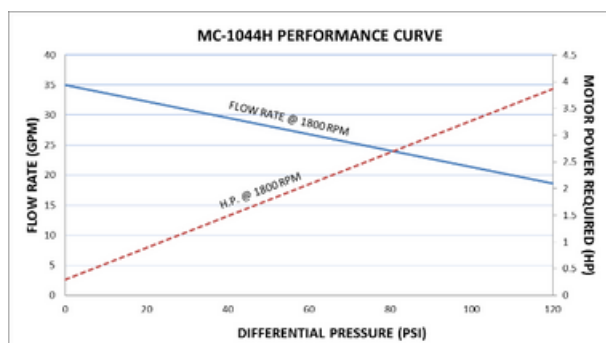
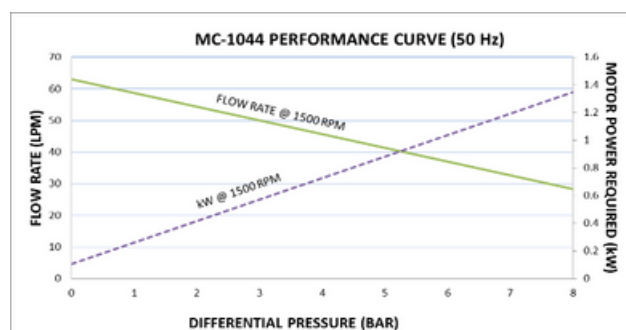
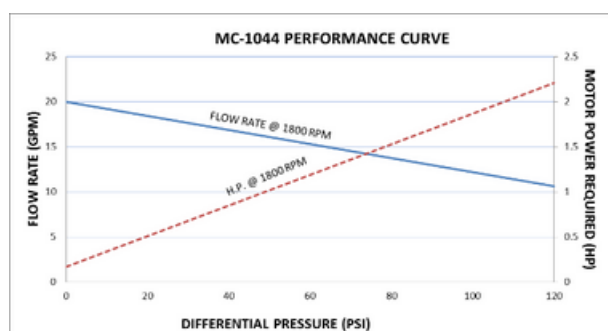
Both MC-1044 & MC-1044H pumps are reversible for loading/unloading applications



Model	Length of time to fill 4 100 lb (45 kg) LP-gas cylinders	Weight (Pump only)	Weight (Pump, coupling, motor)
MC-1044 @ 1800 RPM	4-5 minutes	45 lbs (21 kg)	190-230 lbs* (85-105 kg)
MC-1044H @ 1800 RPM	3-4 minutes	45 lbs (21 kg)	190-265 lbs* (85- 120 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.