

Medium Capacity Pumps

MC-1044/H Series Pumps

Flow Rates of 17-35 GPM (65-133 LPM)



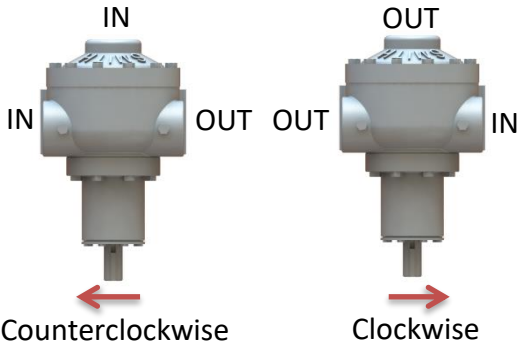
- Ideal for small bulk transfer applications, truck loading/unloading, or filling multiple cylinders at one time
- Extra inlet in cover eliminates elbows
- Reversible
- Two ¼" NPT ports in main housing for pressure gauge or hydrostatic relief valve
- No lubrication required
- Direct drive reduces maintenance

Pumps Only		Average Delivery Rate		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 MAX 1800 RPM	1800 (60 Hz)	17 GPM	14 GPM	125 PSI	1-1/2"	1-1/2 HP (0.75 kW) to 40 psid (3 bar)
	1500 (50 Hz)	(27 LPM)	(21 LPM)	(8 BAR)	(DN 40)	2 HP (1.5 kW) over 75 psid (5 bar)
MC-1044H MAX 1800 RPM	1800 (60 Hz)	30 GPM	25 GPM	125 PSI	1-1/2"	2 HP (1.5 kW) to 75 psid (5 bar)
	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: 115/208-230V, 3 phase: 208/230/460 V. All motors contain thermal overload protection and are base mounted, direct drive as standard option. ATEX certified motors also available. For external dimension drawings, please visit www.smithpumps.com.

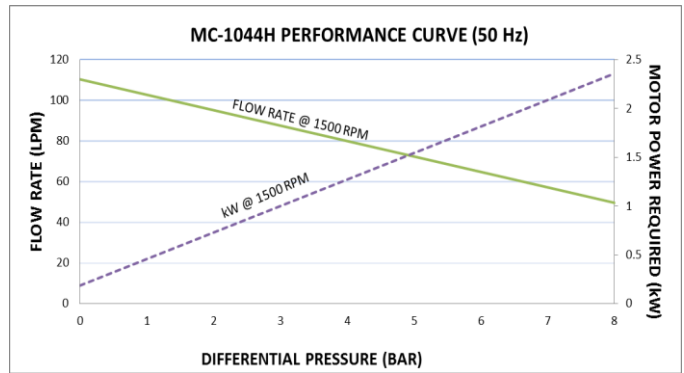
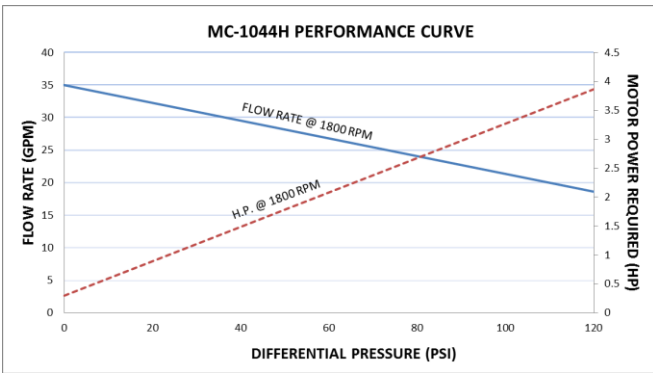
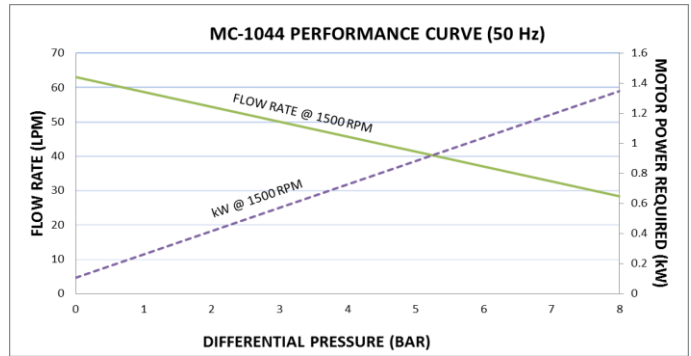
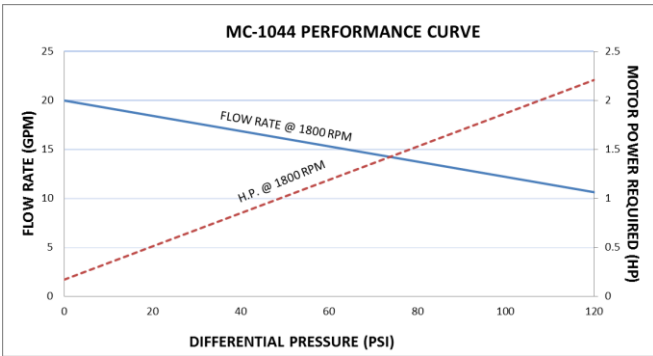
Both MC-1044 & MC-1044H pumps are reversible for loading/unloading applications



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.