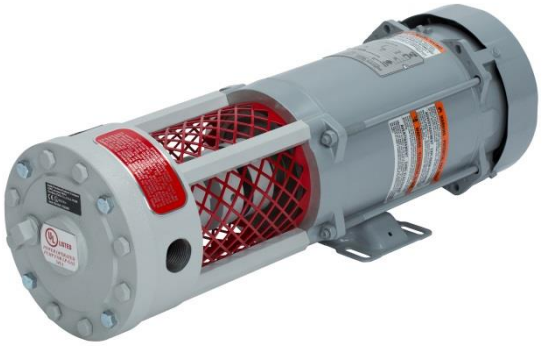
E-Series Pumps

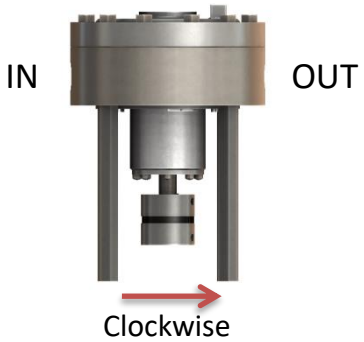
Flow Rates of 10-15 GPM (38 – 57 L/min)

- Most popular pump for intermittent duty, cylinder filling applications
- Comes with a built-in bypass valve preset to 90 psid (110 setting also available) that can be used internally or externally.
- Built in strainer screen
- Shaft seal assembly/gears can be serviced in the field without disrupting the piping
- Pump may be mounted right side up or upside down to accommodate piping



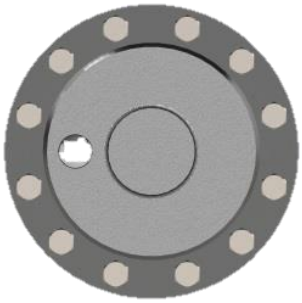
Pumps Only		Average Delivery Rate		Maximum Differential Pressure (UL rating)	Inlet/ Outlet Size	Motor*
Model	Motor Speed (RPM)	40 PSID (3 bar)	75 PSID (5 bar)	PSI (BAR)	FNPT (DN)	HP (kW)
EG-1Z **MAX 3600 RPM**	3600 (60 Hz) 3000 (50 Hz)	8.5 GPM (25 LPM)	7 GPM (21 LPM)	125 PSI (8 BAR)	¾" (DN 20)	1 HP (0.55 kW)
EC-HZ **MAX 3600 RPM**	3600 (60 Hz) 3000 (50 Hz)	13.5 GPM (38 LPM)	12 GPM (31 LPM)	125 PSI (8 BAR)	1" (DN 25)	1-1/2 HP (0.75 kW)

*Explosion Proof motors are UL listed and available in 1 or 3 phase electricity for 60 Hz (3600 RPM) or 50 Hz (3000 RPM) locations, 1 phase: 115/208-230V, 3 phase: 208/230/460 V. All motors contain thermal overload protection and are 56C-frame with feet allowing the motor to be directly mounted to the pump. Foot-mount options are also available for motors with different frame sizes. ATEX certified motors also available. For portable, gasoline engine units and external dimension drawings, please visit www.smithpumps.com



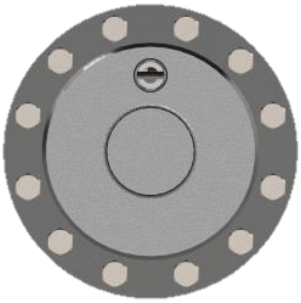
Model	Length of time to fill LP-gas cylinders		Weight (Pump only)	Weight (Pump, coupling, motor)
	20 lb. (9 kg.)	100 lb. (45 kg.)		
ALL E-series Models	Less than 1 minute	3-4 minutes	25 lbs (12 kg)	77-92 lbs (35-42 kg)

E-Pump Bypass Options



Refer to our Training Videos online at www.smithpumps.com for more information

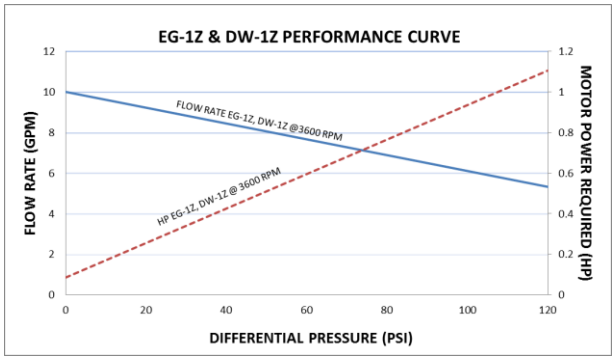
TRAINING VIDEOS

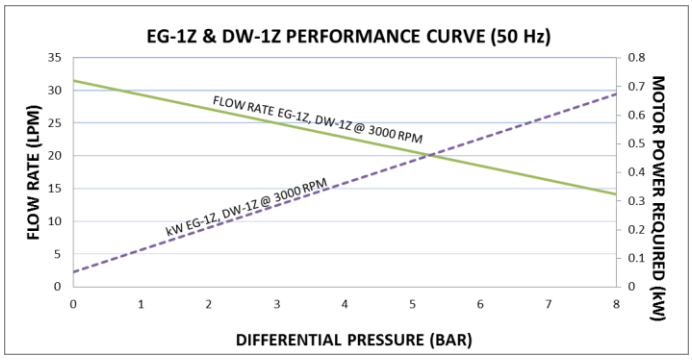


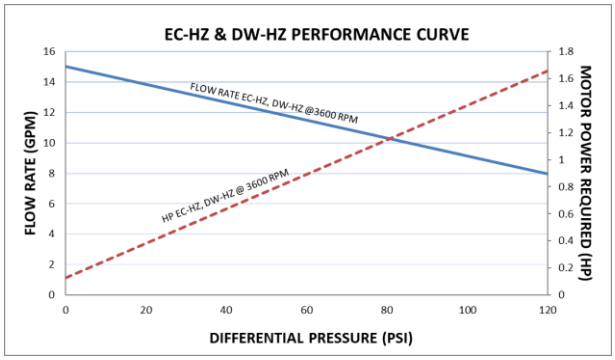
9 O'clock position (plug is left in place, bypass valve is internal, separate external bypass must be used)

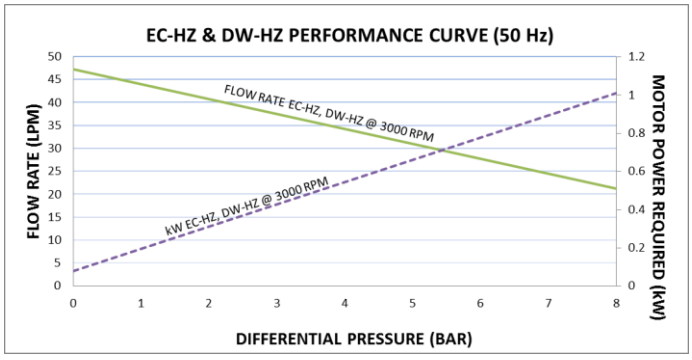
12 O'clock position (plug is removed, bypass valve is now external, no separate external bypass valve is needed)

Pump Performance Curves









Performance curves based on delivery rates of Propane at 75°F (24°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: E and D series pumps will not develop more than 90psid due to the internal relief valve setting (110 psid setting also available). For other liquid services or for more information on predicted pump output, please visit our pump performance calculator at smithpumps.com