

SMALL CAPACITY PUMPS

E-Series Pumps | Flow Rates of 10-15 GPM (38 – 57 L/min)

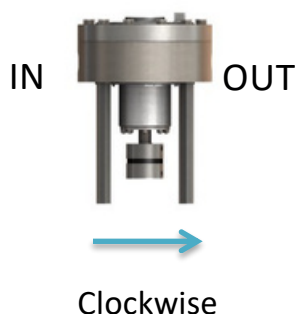


EG-1Z

- 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
- No greasing or lubrication required
- Pump may be mounted right side up or upside down to accommodate piping

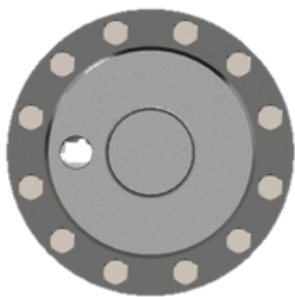
Pumps Only		Average Delivery Rate (See page 10 for pump performance curves)		Maximum Differential Pressure	Inlet/Outlet Size	Motor*
Model	Motor Speed (RPM)	40 PSID (3 bar)	75 PSID (5 bar)	PSI (BAR)	FNPT (DN)	HP (kW)
EG-1Z MAX 3600 RPM	3600 (60 Hz)	8.5 GPM	7 GPM	125 PSI	¾"	1 HP
	3000 (50 Hz)	(25 LPM)	(21 LPM)	(8 BAR)	(DN 20)	(0.55 kW)
EC-HZ MAX 3600 RPM	3600 (60 Hz)	13.5 GPM	12 GPM	125 PSI	1"	1-1/2 HP
	3000 (50 Hz)	(38 LPM)	(31 LPM)	(8 BAR)	(DN 25)	(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: 115/230V (suitable for 208V), 3 phase: 208/230/460 V. Motors are 56C-frame with feet allowing the motor to be directly mounted to the pump with thermal overload protection. Foot-mount options are also available for motors with different frame sizes. ATEX/UKEX certified motors also available. See page 14 for more information. For 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)

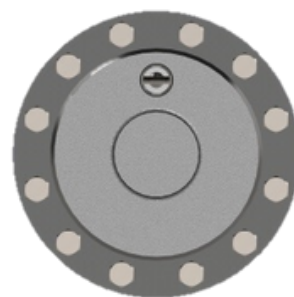
E-PUMP BYPASS OPTIONS



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

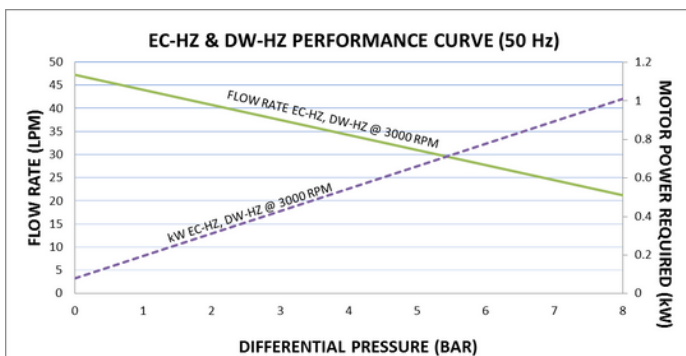
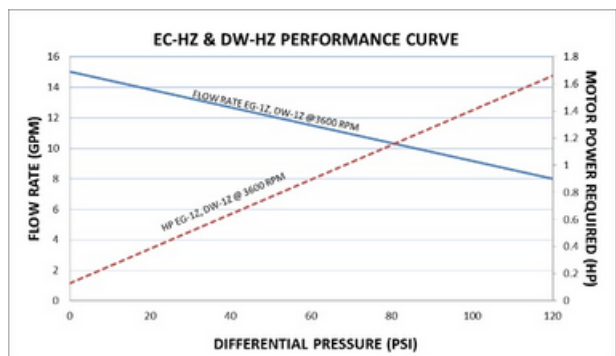
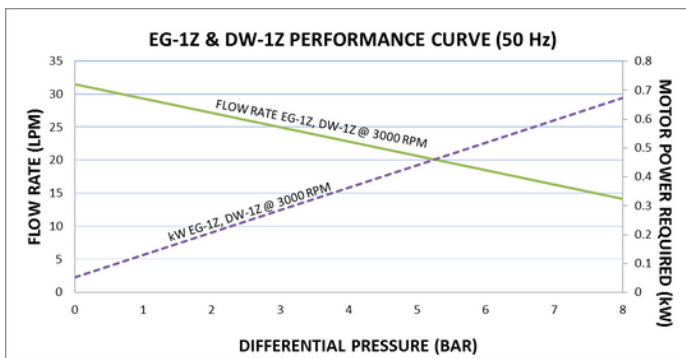
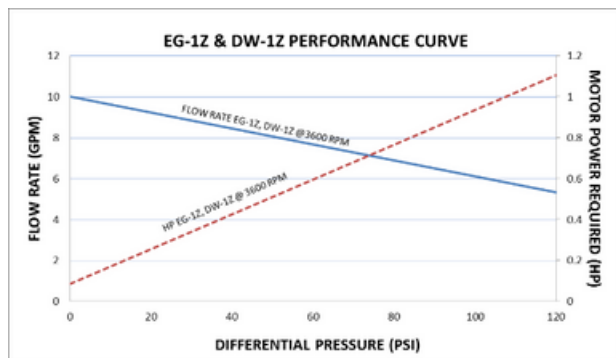


Refer to our Training Videos online at www.smithpumps.com for more information



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 LP-gas 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