



Solar Powered Chemical Injection Pump

For 75 years Milton Roy has been recognized as the leader in the design and manufacture of high quality metering pumps. The SOLARROY® brand of Solar Powered Metering Pumps is the latest innovation to the line to carry on this tradition.

The SOLARROY® brand of metering pumps was designed for remote locations where power is not available. The SOLARROY® pump is extremely efficient, reliable, and robust to provide consistent chemical injection in the harshest of environments.

Discover SOLARROY® by Milton Roy and let's get pumping!



PERFORMANCE DATA AND SPECIFICATIONS

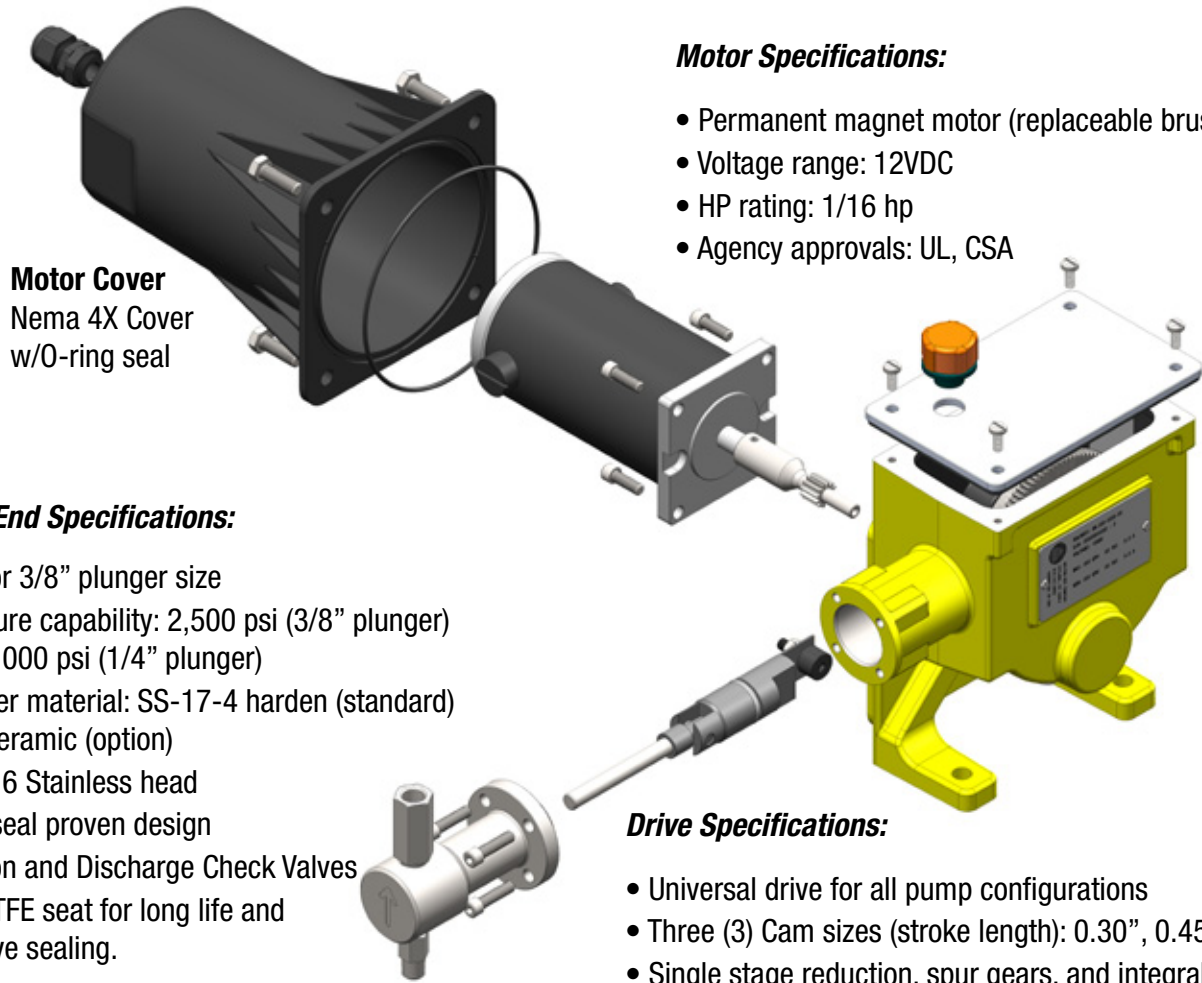
- Single stage reduction, spur gears, integral cam designed specifically for the SOLARROY® pump.
- Three cam sizes
(Stroke Length): 0.30", 0.45", 0.60"
- Dual Seal Proven Design
- No Packing to Adjust
- Plunger Sizes:
 - 1/4" (5,000 psig)
 - 3/8" (2,500 psig)
- Oil Bath Gear Lubrication-Assures Long Life
- Self Contained (Quick-Change)
 - 316 SS Liquid End Design
- Plunger Materials:
 - 17-4ph Stainless (standard)
 - Ceramic (optional)
- Guided Crosshead and Seal
- 12 VDC Power
- UL/CSA Approvals

Contact the Milton Roy Team of pump specialists with your specific requirements, and let us design a solution for your remote applications today.



Milton Roy Company

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Motor Cover
Nema 4X Cover
w/O-ring seal

Motor Specifications:

- Permanent magnet motor (replaceable brushes)
- Voltage range: 12VDC
- HP rating: 1/16 hp
- Agency approvals: UL, CSA

Liquid End Specifications:

- 1/4" or 3/8" plunger size
- Pressure capability: 2,500 psi (3/8" plunger) and 5,000 psi (1/4" plunger)
- Plunger material: SS-17-4 harden (standard) and Ceramic (option)
- SS-316 Stainless head
- Dual seal proven design
- Suction and Discharge Check Valves have TFE seat for long life and positive sealing.

Drive Specifications:

- Universal drive for all pump configurations
- Three (3) Cam sizes (stroke length): 0.30", 0.45" and 0.60"
- Single stage reduction, spur gears, and integral cam
- Designed specifically for the Solaroy® Pump

SOLAROY® Performance Chart

	PLUNGER	STROKE	PRESSURE (PSI)												
			100	250	500	750	1000	1500	2000	2500	3000	3500	4000	4500	5000
FLOW (GPD)	0.250	0.300	13.8	13.7	13.5	13.3	13.1	12.8	12.4	12.0	11.6	11.2	10.9	10.5	10.1
	0.250	0.450	20.6	20.4	20.0	19.6	19.2	18.4	17.6	16.8	16.0	15.2			
	0.375	0.300	31.0	3.6	29.9	29.2	28.5	27.2	25.8	24.5					
	0.375	0.450	48.2	47.4	46.0	44.6	43.3	40.5							
	0.375	0.600	64.3	62.9	60.6	58.3	56.0								

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