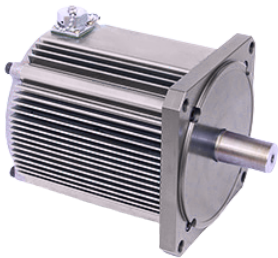
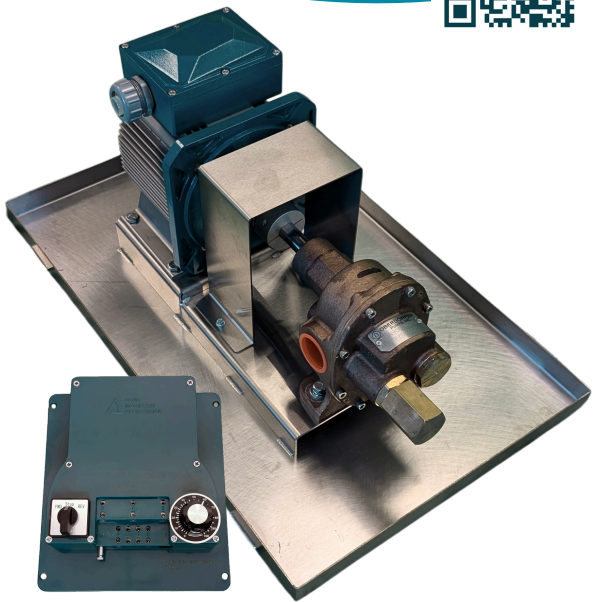




Solar Circulation Pump

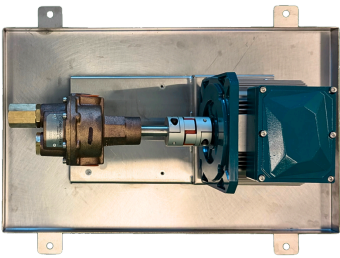
The BMO Solar Powered Circulation Pump leverage field-proven technology to drive fluid transport year around with precision and reliability while eliminating methane venting. The maintenance-free PMAC motor coupled with a custom-built VFD controller delivers high torque with low power consumption at start-up and normal operation. This technology enables BMO’s Circulation Pump system to use a minimum solar footprint while reducing maintenance cycles. BMO Circulation Pump system can deliver up to 10GPM flow rate.



Developed for Aerospace applications

High Efficiency Motor Drive

- Only draws 10% of power to achieve similar torque output as compared to peers
- Permanent Magnet AC3 Phase Brushless Motor – leader in motor efficiency
- Three phase AC motor with soft-start to minimize power loss and wear on equipment. Soft start requires low Amp. High efficiency design reduce power requirement per CFM
- VFD control system with 10000 feedback per second – high precision, low power



Compact Modular Design

Superior Reliability

- Consistent flow with no fluctuation and downtime
- Pump discharge pressure up to 30 psi (can custom design to higher pressure)
- Pump rate 4-10GPM (can custom design to higher rate)
- Modularized design allowing re-using and re-deployment to drive capital efficiency
- Low maintenance, turnkey solution for heat trace and other fluid transportation needs

Small Footprint : Pump - 24" x 12" x 8"
Ultra Reliable Application : No Need for Insulation

Discharge Pressure (psi)	Power Consumption At Various Rate (Watt)			
	4 GPM	6 GPM	7.5 GPM	9.5GPM
1	14	26	38	50
5	34	48	67	86
10	46	67	84	106
15	60	82	110	130
20	84	101	134	154
25	106	144	163	178

