

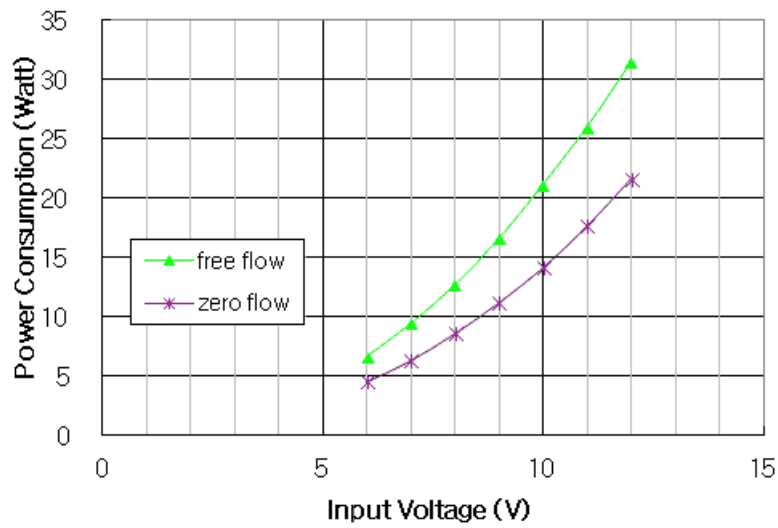


The Koolance PMP-500 offers a high flow rate and very high static head pressure at just 12V. A mounting bracket is included.

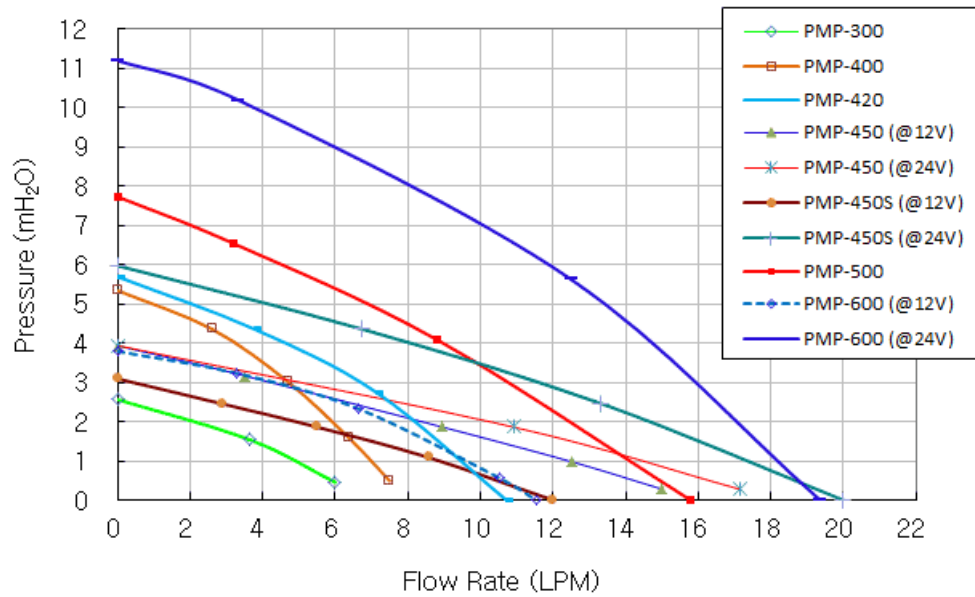
- Maximum Flow Rate: 16L/min (4.2 gal/min)
- Maximum Head Pressure: 7.5m (24.6ft)
- Motor: Brushless DC
- Power Consumption (at max): 32W
- Voltage Range: 6 to 12 VDC
- Maximum Temperature: 75°C (167°F)
- Electrical Connector: 4-pin Molex power supply connection + 3-pin (single lead) tach
- Hose Connections: G 1/4 BSPP Threads
- Noise: Less than 50dBA
- Weight: 454g (1lbs)

| General | |
|-------------------------------|---|
| Weight | 1.20 lb (0.54 kg) |
| Fitting Thread | G 1/4 BSPP |
| Max Pressure Tolerance @ 25°C | 1.5kgf/cm ² (21.3psi) |
| Max Temperature Tolerance | 75°C (167°F) |
| Wetted Materials | PPE, Carbon, Ceramic, EPDM, ABS, POM, Ferrite |
| Pumps | |
| Expected Lifetime | 30,000 hrs. MTBF |
| Max Flow Rate | 16L/min (4.2GPM) |
| Max Power | 32W |
| Max Static Head | 7.5m (24.6ft) |
| Native Hose Connection | G 1/4 BSP Threads |
| Speed Knob | no |
| Tachometer | yes |
| Type | Magnetic Centrifugal |
| Voltage | 6-12 VDC |

PMP-500



Flow Rate vs. Head Pressure



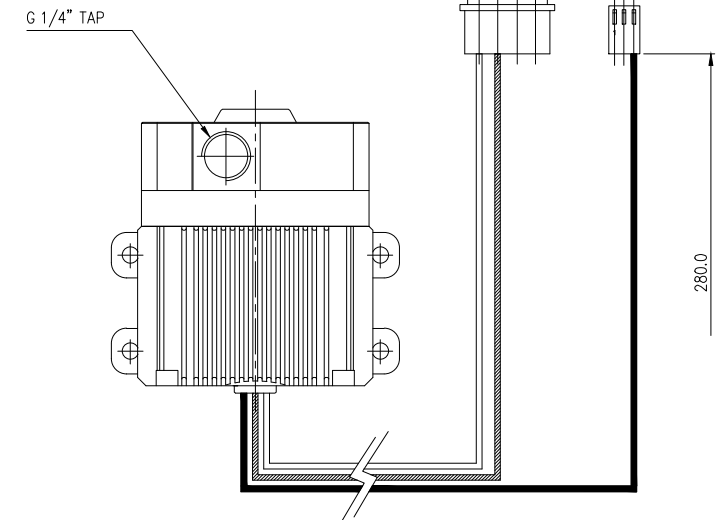
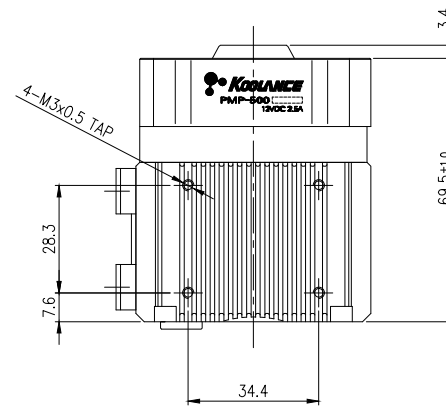
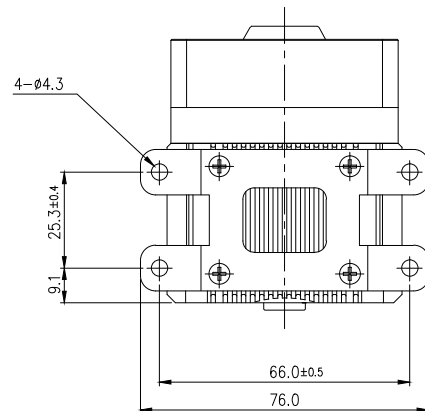
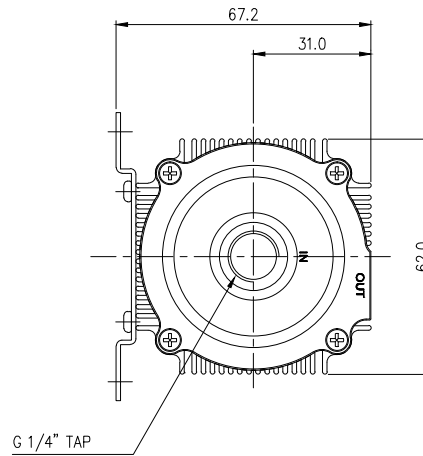
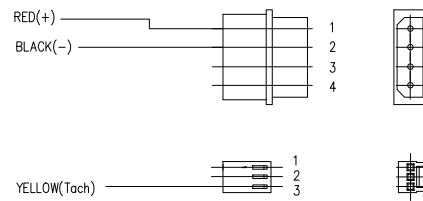
< 4 pin CONNECTOR >

- Housing : ALEX 6060-04 (or Equivalent)
- Terminal : ALEX 62T (or Equivalent)

< 3pin CONNECTOR >

- Housing : Molex 5051-03 (or Equivalent)
- Terminal : Molex 5159 (or Equivalent)

- 12VDC, 2.5A



| REV | DATE | CONTENTS | REVD BY | CHKD BY | APPD BY |
|----------|-------------|-------------------|---------|---------|----------|
| 1 | MAY.18.2021 | CHANGED VDC SPEC. | S.J.LEE | | J.S.PARK |
| REVISION | | | | | |

| NO. | DESCRIPTION | | | | PART NO. | QTY. | REMARKS |
|-------------|-------------|----|----|----------|-------------|-------------|------------|
| | | | | | UNIT | MM | ITEM Pump |
| | | | | | SCALE | N/S | TITLE Assy |
| DATE | DRAWN BY | BY | BY | APPRO BY | 3RD ANGLE | | |
| MAR.25.2021 | S.J.LEE | | | J.S.PARK | KK CODE NO. | DRAWING NO. | REV |
| | | | | | PMP-500 | - | - |