

New Compact Gear Pumps

Incorporate one of these compact gear pumps into your machine or analyzing instruments for low flow liquid transfer. Ideal for circulating water or coolant to maintain system temperature. These low cost pumps provide high volume pulseless fluid transfer in a compact package.

Select from several models with a similar flow rate, but different motor options. Connect tubing to the appropriate inlet or outlet and provide Vac or Vdc power supply to begin. Low power requirements and small size are ideal for portable, battery-operated applications.

Vary the flow of the Vdc models by varying the input voltage. Continuous-duty. One year warranty.

Note: Do not run pump dry for more than a few seconds.

SPECIAL FEATURES

Variable flow up to 2200 ml/min
 Molded Delrin® pump head and gears
 Select from 3 different motor options
 Low Cost



PG10.005 12Vdc Gear Pump



PG10.003 with open motor



PG10.001 with housing, power cord and switch

SPECIFICATIONS

Max Flow rate: 2200 ml/min (Vdc)
 1550 ml/min (Vac/60Hz)
 Max. Suction: 10 ft. H₂O wet, 4" dry
 Max. Pressure: 20 psig (46 ft. H₂O)
 Port Size (OD): 4.8 mm (0.18") hose barb
 Wetted Parts:
 Head/Gears: Delrin® (acetal)
 Shaft: 304SS
 Diaphragm: Teflon® PTFE
 Seal: Buna N
 Power Req(Vac): 115Vac/60Hz, 230/50Hz, 90W
 Power Req(Vdc): 12Vdc, 24Vdc (up to 28W)
 Max Operating Temp.: 93°C (200°F)
 Ambient Fluid Temp.: 0 to 93°C (32 to 200°F)
 Particulates: No
 Run dry: No
 Max. Viscosity: 200 cps
 Dimensions (Cased): 143 x 67 x 96 mm
 (L x W x H) (5.63 x 2.63 x 3.75 in)
 (Open): 88 x 81 x 92 mm
 (3.43 x 3.18 x 3.63 in)
 (Vdc): 100 x 45 x 67 mm
 (4 x 1.75 x 2.63 in)
 Shpg Weight (Open): 1.4 kg (3 lb.)
 (Cased): 1.9 kg (4 lb.)
 (Vdc): 0.5 kg (1 lb.)

APPLICATIONS

Chemical fluid transfer
 Coolant circulation
 Battery-operated portable applications

PG10 ORDERING INFORMATION

PG10.001 Pump, Gear, 115Vac/60Hz, Bench
PG10.002 Pump, Gear, 220Vac/50Hz, Bench
PG10.003 Pump, Gear, 115Vac/60Hz, Open Mtr
PG10.004 Pump, Gear, 220Vac/50Hz, Open Mtr
PG10.005 Pump, Gear, 12Vdc, Open Mtr
PG10.006 Pump, Gear, 24Vdc, Open Mtr

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