

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*

SPECIFICATIONS

Max Flow rate:	2200 ml/min (Vdc) 1550 ml/min (Vac/60Hz)
Max. Suction:	10 ft. H ₂ O wet, 4" dry
Max. Pressure:	20 psig (46 ft. H ₂ O)
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 (5.63 x 2.63 x 3.75 in)
(L xWxH)	(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.)



PG10.005 12Vdc Gear Pump



PG10.003 with open motor



PG10.001 with housing, power cord and switch

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

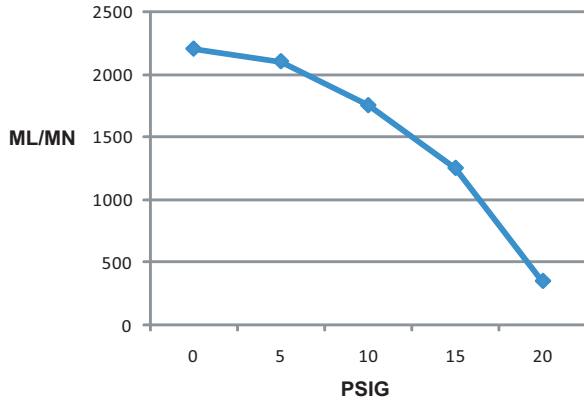
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PG10 Gear Pumps

Flow Curves - ml/min vs psig

DC Motor



AC Motor

