

G20 TECHNICAL DATASHEET



LEGACY OF RETAIL
FUEL TRANSFER SOLUTIONS

The GPI G20 Series Fuel transfer pump is the first gear pump to deliver TRUE 20 GPM.

20
GPM | **76**
L/min

12V DC
Voltage (Power Source)



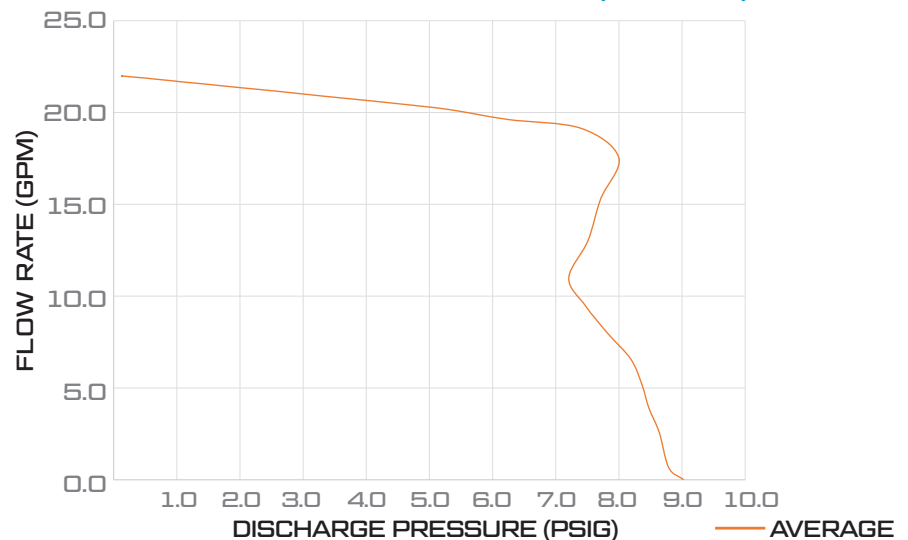
WETTED MATERIALS (ALL MODELS)

Housing & Cover Plates:	Aluminum
Shaft Materials:	Stainless Steel
Gears:	PPS
Strainer Mesh:	Stainless Steel
Poppet Valve:	Acetal
Seals:	Nitrile / FKM

SPECS (ALL MODELS)

Max. Flow Rate:	20 GPM 76 L/min
Max. Discharge Pressure:	Up to 12 PSI
Operating Temperature:	-22° F to 131° F (-30° C to 55° C)
Dry Vacuum:	6 in. Hg
At Sea Level 70° F (21.1° C)	Suction Lift: Up to 10 ft. (3 m)
	Discharge Lift: Up to 15 ft. (4.5 m)
Warranty:	Limited Lifetime Warranty

PERFORMANCE CURVE (12VDC)



G20 SERIES MODEL NUMBERS

Example:

G20-012AD+FK

G	20	-	012	AD	-	+	FK		
Type	Flow Rate	-	Power	Suffix	-	Thread	+	Accessory	Special Use

Pump Type		Flow Rate		Voltage		Option		Thread Type/Size		Accessory		Special Use	
G	Gear Pump (GPI)	20	GPM	012	V (DC)	AD	Automatic Diesel Nozzle	(Blank)	NPT 1"	FK	Filter Kit	(Blank)	None
						MD	Manual Diesel Nozzle	N08	NPT 1"				
						PO	Pump Only	N06	NPT 3/4"				
								B08	BSPP 1"				
								B06	BSPP 3/4"				

GREAT PLAINS INDUSTRIES

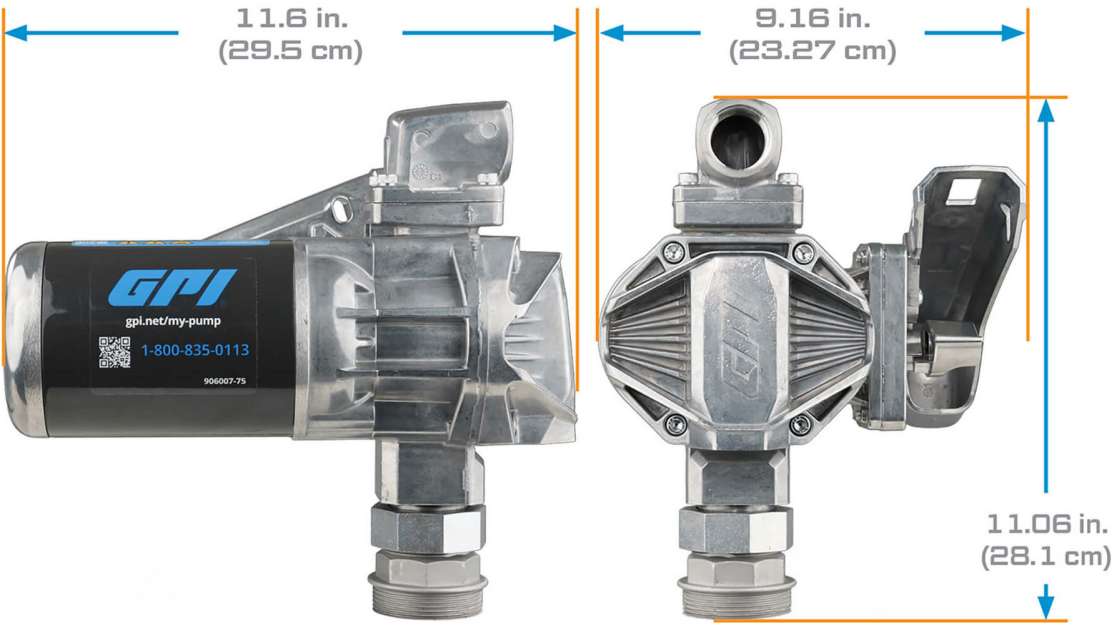


SPECS (ALL MODELS)

Motor HP:	0.40
Motor RPM:	2000
Duty Cycle:	30 min. on/30 min. off
Motor Protection:	Circuit Breaker
Voltage, Input:	12V (DC)
Amps (Rated):	34 amps

Refer to manual for wiring instructions

DIMENSIONS



	162000-03 G20-012AD	162000-02 G20-012MD	162020-03 G20-012AD+FK	162000-01 G20-012PO-N08	162000-06 G20-012PO-B08
Fluid Statement:	Gasoline up to E15 Diesel Fuel up to B20 Kerosene			Gasoline up to E15 Diesel Fuel up to B20 Kerosene Avgas (100LL)* Jet A* Jet A-1*	
Approvals:	cULus Motor Listed for Hazardous Locations Class I, Division 2, Group D USA and Canada			cULus Motor Listed for Hazardous Locations Class I, Division 1, Group D USA and Canada	

**For ground-based refueling only. Do not use or mount in or on the aircraft. For use with aviation gasoline (AVGAS 100LL) and kerosene grade (JET A). User should consult NFPA 407 Standard for Aircraft Fuel Servicing for safety requirements during ground fuel servicing of aircraft using liquid petroleum fuels. This product has no actual or implied compliance with this standard.*

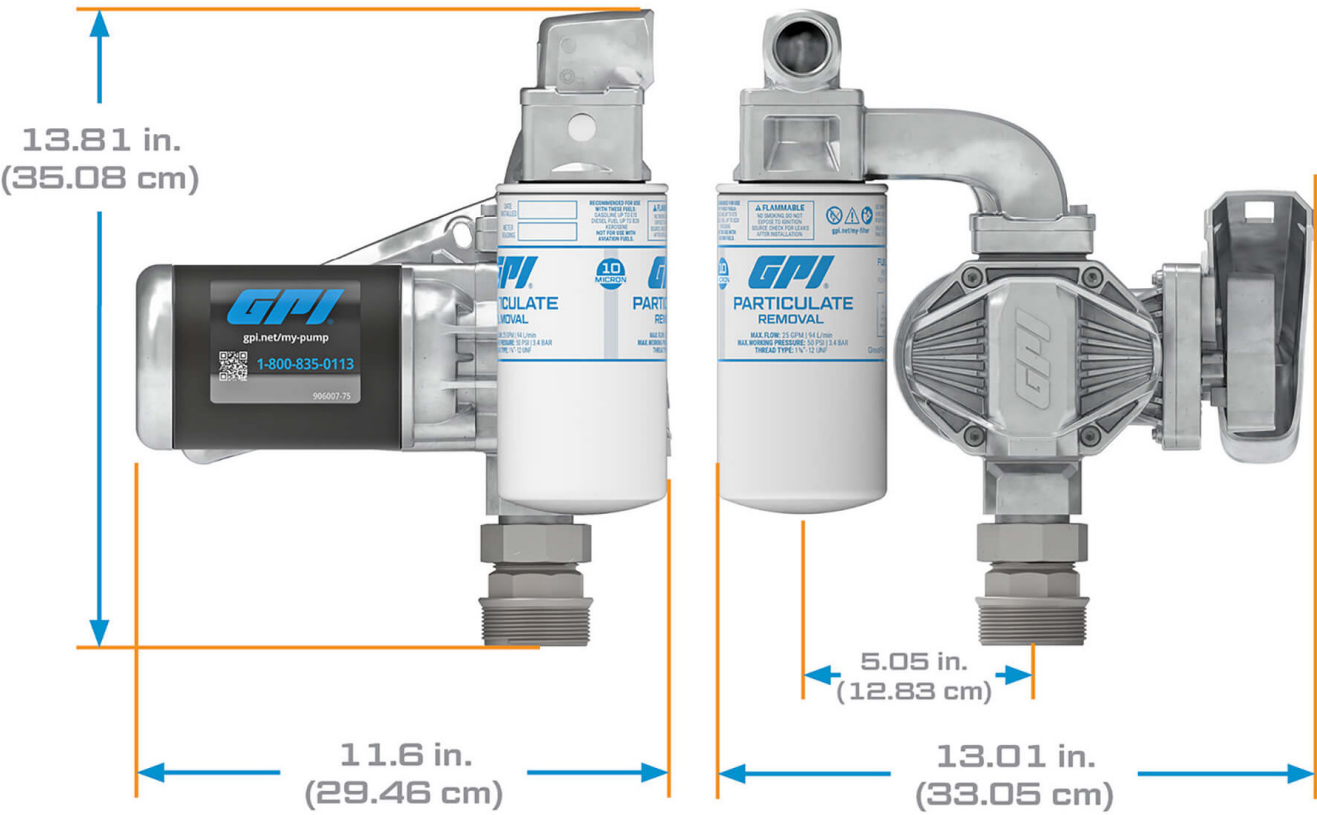
Part No.	Description					What's in the Box				
162000-03	PUMP, FUEL 12V 20 GPM, AUTO, 1"					G20-012AD 12V DC 20 GPM Fuel Transfer Pump, Auto-shut off diesel nozzle, Dispensing hose, Factory-installed power cord, Telescoping suction pipe, Modular fitting w/hardware, Tank adapter, Fuse assembly, Owner's manual				
Model										
G20-012AD										
Mounting Type	Suction Pipe	Inlet	Modular Outlet	Hose Length	Hose Fitting Diameter	Power Cord	Nozzle Size	Nozzle Type	Nozzle Holder Type	
Spin Collar, 2 in. MNPT	Polypropylene, Telescoping 15 to 40in. x 1in. MNPT	1 in. FNPT	1 in. FNPT	14 ft. (5.2m)	1 in. MNPT	18 ft. (5.5m), 12/2 AWG, Factory-Installed	1 in. FNPT Inlet	Automatic Shut-Off, Diesel	Lockable	

Part No.	Description					What's in the Box				
162000-02	PUMP, FUEL 12V 20 GPM, MANUAL, 1"					G20-012MD 12V DC 20 GPM Fuel Transfer Pump, Manual diesel nozzle, Dispensing hose, Factory-installed power cord, Telescoping suction pipe, Modular fitting w/hardware, Tank adapter, Fuse assembly, Owner's manual				
Model										
G20-012MD										
Mounting Type	Suction Pipe	Inlet	Modular Outlet	Hose Length	Hose Fitting Diameter	Power Cord	Nozzle Size	Nozzle Type	Nozzle Holder Type	
Spin Collar, 2 in. MNPT	Polypropylene, Telescoping 15 to 40in. x 1in. MNPT	1 in. FNPT	1 in. FNPT	14 ft. (5.2m)	1 in. MNPT	18 ft. (5.5m), 12/2 AWG, Factory-Installed	1 in. FNPT Inlet	Manual Diesel	Lockable	

Part No.	Description					What's in the Box				
162000-01	PUMP, FUEL 12V 20 GPM, PUMP ONLY, 1"					G20-012PO-N08 12V DC 20 GPM Fuel Transfer Pump, Modular fitting w/hardware, Tank adapter, Fuse assembly, Owner's manual				
Model										
G20-012PO-N08										
Mounting Type	Suction Pipe	Inlet	Modular Outlet	Hose Length	Hose Fitting Diameter	Power Cord	Nozzle Size	Nozzle Type	Nozzle Holder Type	
Spin Collar, 2 in. MNPT	Not Included	1 in. FNPT	1 in. FNPT	– Not Included –		Not Included	– Not Included –		Lockable	

Part No.	Description					What's in the Box				
162000-06	PUMP, FUEL 12V 20 GPM, PUMP ONLY, 1" BSPP					G20-012PO-B08 12V DC 20 GPM Fuel Transfer Pump, Modular fitting w/hardware, Tank adapter, Fuse assembly, Owner's manual				
Model										
G20-012PO-B08										
Mounting Type	Suction Pipe	Inlet	Modular Outlet	Hose Length	Hose Fitting Diameter	Power Cord	Nozzle Size	Nozzle Type	Nozzle Holder Type	
Spin Collar, 2 in. BSPT	Not Included	1 in. BSPP	1 in. BSPP	– Not Included –		Not Included	– Not Included –		Lockable	

PUMP AND FILTER KIT



Part No.		Description		What's in the Box					
162020-03		PUMP, FUEL 12V 20 GPM, AUTO, 1”, FILTER		G20-12AD 12V DC 20 GPM Fuel Transfer Pump, Auto shut-off diesel nozzle, 25 GPM particulate filter, Modular filter adapter w/hardware, Dispensing hose, Factory-installed power cord, Telescoping suction pipe, Modular fitting w/hardware, Tank adapter, Fuse assembly, Owner's manual					
Model									
G20-012AD+FK									
Mounting Type	Suction Pipe	Inlet	Modular Outlet	Hose Length	Hose Fitting Diameter	Power Cord	Nozzle Size	Nozzle Type	Nozzle Holder Type
Spin Collar, 2 in. MNPT	Polypropylene, Telescoping 15 to 40in. x 1in. MNPT	1 in. FNPT	1 in. FNPT	14 ft. (5.2m)	1 in. MNPT	18 ft. (5.5m), 12/2 AWG, Factory Installed	1 in. FNPT Inlet	Automatic Shut-off, Diesel	Lockable