

# G20 TECHNICAL DATA SHEET



LEGACY OF RETAIL  
FUEL TRANSFER SOLUTIONS

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

|                  |                    |   |
|------------------|--------------------|---|
| <b>20</b><br>GPM | <b>76</b><br>L/min | <b>12V DC</b><br>Voltage (Power Source) |
|------------------|--------------------|---|



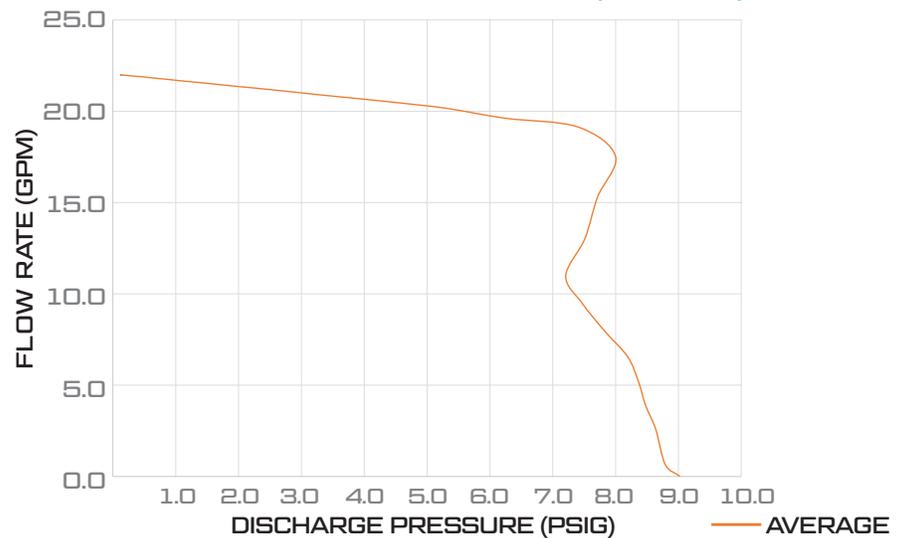
## WETTED MATERIALS (ALL MODELS)

|                                    |                 |
|------------------------------------|-----------------|
| <b>Housing &amp; Cover Plates:</b> | Aluminum        |
| <b>Shaft Materials:</b>            | Stainless Steel |
| <b>Gears:</b>                      | PPS             |
| <b>Strainer Mesh:</b>              | Stainless Steel |
| <b>Poppet Valve:</b>               | Acetal          |
| <b>Seals:</b>                      | Nitrile / FKM   |

## SPECS (ALL MODELS)

|   |   |
|---|---|
| <b>Max. Flow Rate:</b>                      | 20 GPM   76 L/min                           |
| <b>Max. Discharge Pressure:</b>             | Up to 12 PSI                                |
| <b>Operating Temperature:</b>               | -22° F to 131° F<br>(-30° C to 55° C)       |
| <b>Dry Vacuum:</b>                          | 6 in. Hg                                    |
| <b>At Sea Level<br/>70° F<br/>(21.1° C)</b> | <b>Suction Lift:</b> Up to 10 ft. (3 m)     |
|   | <b>Discharge Lift:</b> Up to 15 ft. (4.5 m) |
| <b>Mounting Type, Thread:</b>               | Spin Collar, 2in. MNPT                      |
| <b>Warranty:</b>                            | Limited Lifetime Warranty                   |

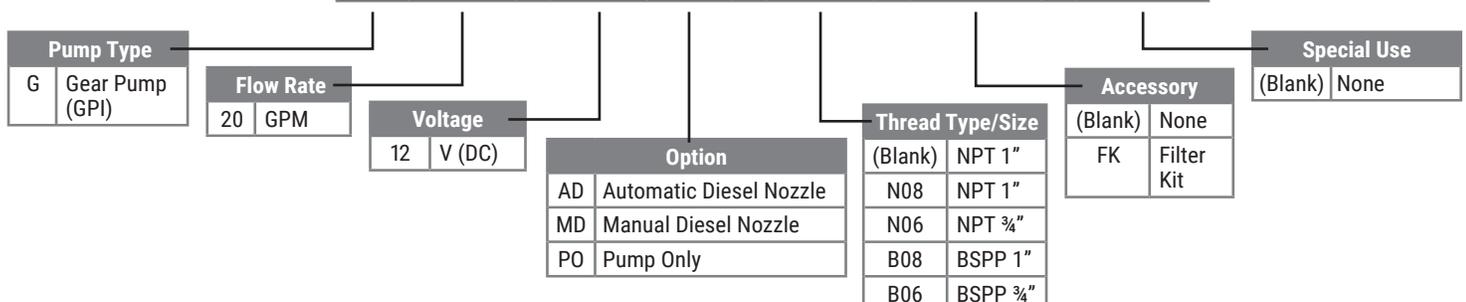
## PERFORMANCE CURVE (12VDC)



## G20 SERIES MODEL NUMBERS

**Example:**  
G20-012AD+FK

|          |           |          |           |           |          |          |           |           |             |
|----------|-----------|----------|-----------|-----------|----------|----------|-----------|-----------|-------------|
| <b>G</b> | <b>20</b> | <b>-</b> | <b>12</b> | <b>AD</b> | <b>-</b> | <b>+</b> | <b>FK</b> |           |             |
| Type     | Flow Rate | -        | Power     | Suffix    | -        | Thread   | +         | Accessory | Special Use |

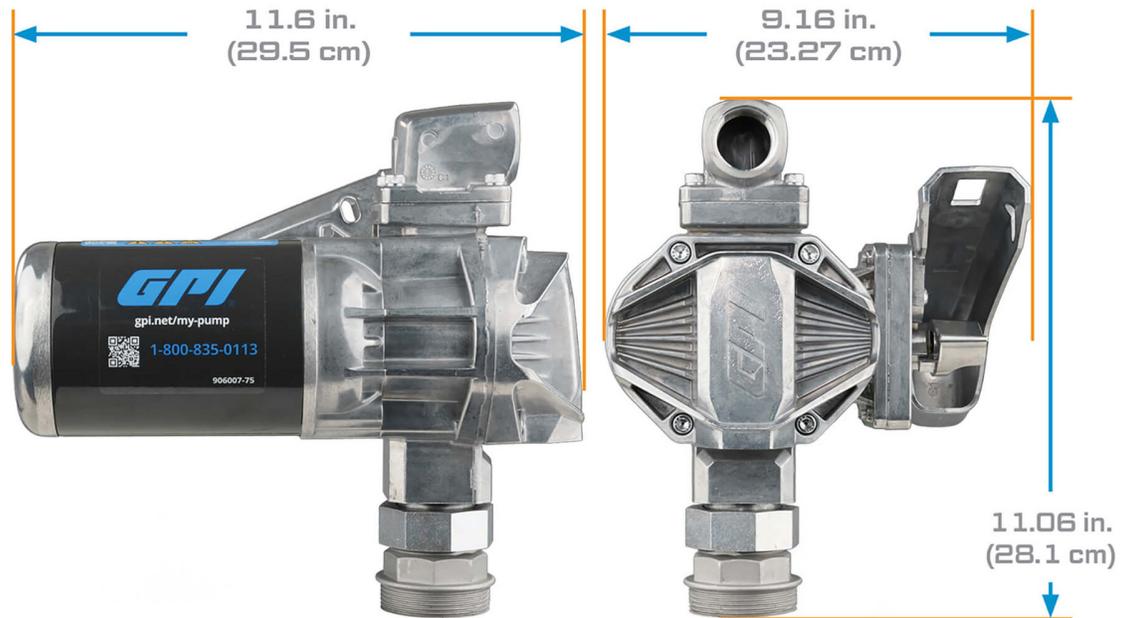


## SPECS (ALL MODELS)

## DIMENSIONS

|                   |                        |
|-------------------|------------------------|
| 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



|                  | 162000-03<br>G20-012AD   | 162000-02<br>G20-012MD | 162020-03<br>G20-012AD+FK | 162000-01<br>G20-012PO-N08   | 162000-04<br>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.*

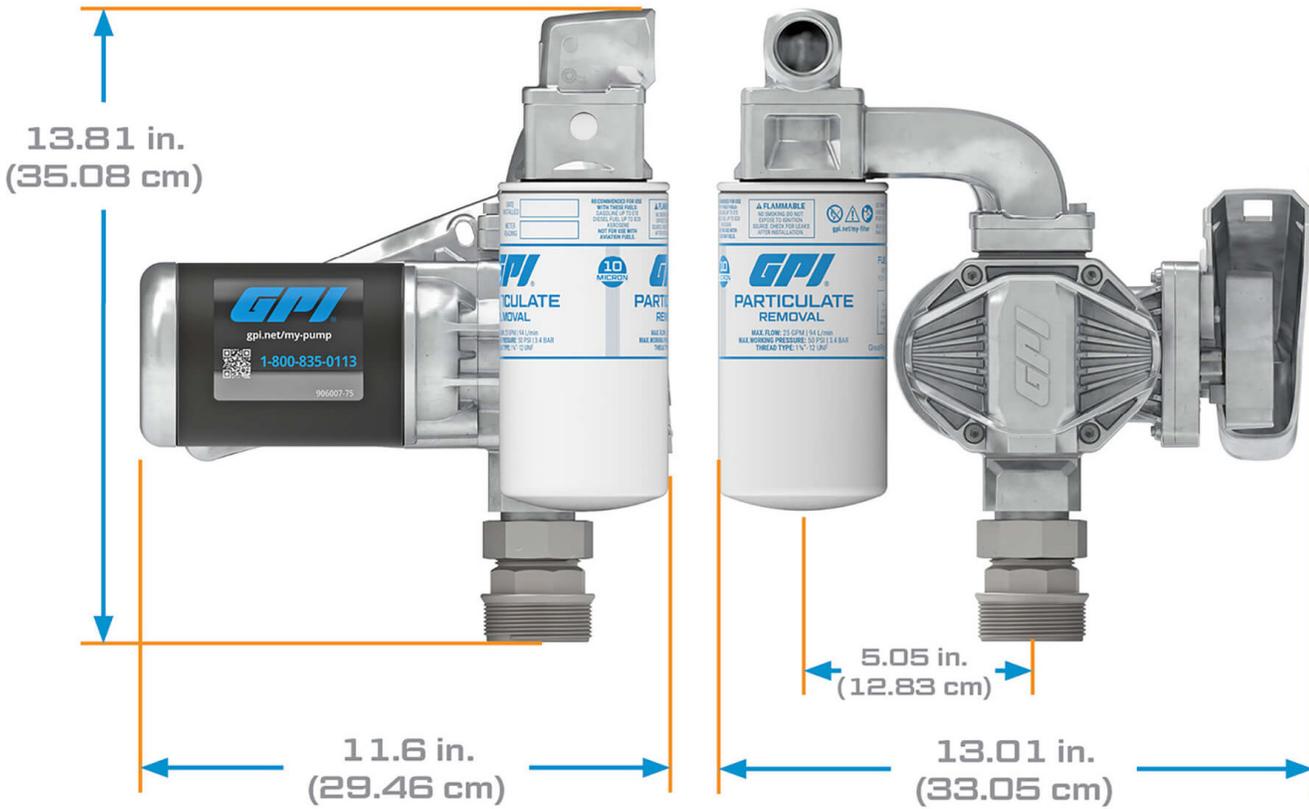
| Part No.   | Description                            |                |               |                       | What's in the Box   |                  |                            |                    |  |
|--|--|----------------|---------------|-----------------------|---|------------------|----------------------------|--------------------|--|
| 162000-03  | <b>PUMP, FUEL 12V 20 GPM, AUTO, 1"</b> |                |               |                       | 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 |                  |                            |                    |  |
| <b>Model</b><br>G20-012AD                          |  |                |               |                       |   |                  |                            |                    |  |
| Suction Pipe                                       | Inlet                                  | Modular Outlet | Hose Length   | Hose Fitting Diameter | Power Cord  | Nozzle Size      | Nozzle Type                | Nozzle Holder Type |  |
| 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  | <b>PUMP, FUEL 12V 20 GPM, MANUAL, 1"</b> |                |               |                       | 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 |                  |               |                    |  |
| <b>Model</b><br>G20-012MD                          |  |                |               |                       |  |                  |               |                    |  |
| Suction Pipe                                       | Inlet                                    | Modular Outlet | Hose Length   | Hose Fitting Diameter | Power Cord   | Nozzle Size      | Nozzle Type   | Nozzle Holder Type |  |
| 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                     | <b>PUMP, FUEL 12V 20 GPM, PUMP ONLY, 1"</b> |                |                  |                       | G20-012PO-N08 12V DC 20 GPM Fuel Transfer Pump, Modular fitting w/hardware, Tank adapter, Fuse assembly, Owner's Manual |                  |             |                    |  |
| <b>Model</b><br>G20-012PO-N08 |   |                |                  |                       |   |                  |             |                    |  |
| Suction Pipe                  | Inlet                                       | Modular Outlet | Hose Length      | Hose Fitting Diameter | Power Cord  | Nozzle Size      | Nozzle Type | Nozzle Holder Type |  |
| Not Included                  | 1 in. FNPT                                  | 1 in. FNPT     | – Not Included – |                       | Not Included  | – Not Included – |             | Lockable           |  |

| Part No.                      | Description                                      |                |                  |                       | What's in the Box   |                  |             |                    |  |
|-------------------------------|--|----------------|------------------|-----------------------|---|------------------|-------------|--------------------|--|
| 162000-04                     | <b>PUMP, FUEL 12V 20 GPM, PUMP ONLY, 1" BSPP</b> |                |                  |                       | G20-012PO-B08 12V DC 20 GPM Fuel Transfer Pump, Modular fitting w/hardware, Tank adapter, Fuse assembly, Owner's Manual |                  |             |                    |  |
| <b>Model</b><br>G20-012PO-B08 |  |                |                  |                       |   |                  |             |                    |  |
| Suction Pipe                  | Inlet  | Modular Outlet | Hose Length      | Hose Fitting Diameter | Power Cord  | Nozzle Size      | Nozzle Type | Nozzle Holder Type |  |
| Not Included                  | 1 in. FNPT                                       | 1 in. BSPP     | – Not Included – |                       | Not Included  | – Not Included – |             | Lockable           |  |

## PUMP AND FILTER KIT



| Part No.  | Description  | What's in the Box   |               |                       |   |                  |                                |                    |
|---|--|---|---------------|-----------------------|---|------------------|--------------------------------|--------------------|
| 162020-03   | <b>PUMP, FUEL 12V<br/>20 GPM, AUTO, 1",<br/>FILTER</b> | G20-12AD 12V DC 20 GPM Fuel Transfer Pump, Auto-shut off diesel nozzle, 25GPM 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<br>G20-012AD+FK                                 |  |   |               |                       |   |                  |                                |                    |
| Suction Pipe  | Inlet  | Modular Outlet  | Hose Length   | Hose Fitting Diameter | Power Cord                                    | Nozzle Size      | Nozzle Type                    | Nozzle Holder Type |
| Polypropylene, Telescoping<br>15 to 40in. x 1in. MNPT | 1 in.<br>FNPT  | 1 in.<br>FNPT   | 14 ft. (5.2m) | 1 in. MNPT            | 18 ft. (5.5m), 12/2<br>AWG, Factory Installed | 1 in. FNPT Inlet | Automatic Shut-<br>off, Diesel | Lockable           |