Cylinder Dispensers
Propane Dispensing System-A Total Package

- PDS-DCL51DP-C12-1000
- PDS-DCL51DP-B1-1000
- PDS-DCL51DP-C12-500
- PDS-DCL51DP-B1-500
- Also Available LESS Tank (LT)

Gas Equipment Company's Propane dispensing system allows you to service more than just DOT grill cylinders. With our total package you are able to provide recreational vehicle filling, forklift cylinder filling, and other cylinder filling applications for roofers, builders, and lawn service companies.

Dispensing propane does not have to mean piecing various components together to assemble a dispensing station, our total turnkey package enables you to set the dispensing station in one step and offer the best value for your customers. With only a 230-volt single phase electrical connection you are in business.

Our dispensing system incorporates an aluminum cabinet, suitable for all climates, lightweight, and easy to keep looking great. It is rust resistant and long-lasting.

The cabinet contains a Corken C12KD6A or Blackmer LGF1P pump/motor/bypass valve, a Red Seal Measurement 1” meter, explosion proof switch and OPTIONAL cylinder filling hose and motor fuel hose, with a 3-way valve downstream of the meter allowing metered sales from either hose. All internal piping inside the cabinet is pre-plumbed as well as all external piping outside the cabinet; so the total package is ready to be in service. Our system also includes a DOT cylinder vapor purging system mounted inside the cabinet and an OPTIONAL Fairbanks 1,000# beam scale for DOT cylinder filling.

Our 16” tall support base is all welded and white powder-coated to endure the challenges of the outdoors. It is designed to work with most domestic ASME AG 1,000WG tanks, allowing you to utilize your own assets if needed. It is fitted with four D-rings to allow lifting the total package for transportation and installation as a complete turnkey system.

The Trinity 1,000WG AG domestic tank is fitted with a RegO 8118P multipurpose valve to allow bypass piping to the vapor space of the tank.

The system features an externally mounted remote cable and thermal latch closure of the internal valve system.

BENEFITS:

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- The system features an externally mounted remote cable and thermal latch closure of the internal valve system.
FEATURES:

• DCL51DP.C12.2HP-1000AG-Skid: Aluminum diamond plate cabinet w/ Corken C12 single phase 230VAC motor, B-166 bypass valve, 1" Red Seal Measurement meter & inside cabinet plumbing complete; large enough to contain Fairbanks 1,000# beam scale (also available with Blackmer LGF1P pump)

• TS1000DH41-SKID: All welded/white powder-coated 16" tall support base for domestic Trinity 1,000WG-AG tank with lifting rings

• 1000AG: Trinity domestic AG 1,000WG tank, fitted with a RegO 8118P multipurpose valve to allow a full size bypass line to the vapor space of the tank

• ECK-1000AG-SKID: Manual switch mounted inside the cabinet with electrical conduit pre-installed inside the cabinet & stubbed out

• OPTIONAL MFH-Standard: 3/4" motor fuel hose assembly w/RegO A7793A UL Listed Quick-Acting ACME nozzle

• OPTIONAL CFH-Standard: 1/2" cylinder filling hose assembly w/ RegO 7901TB & 7193D-10 UL Listed Quick-Acting valve & POL nozzle

• DU-3WAY: 3-Way valve for CFH & MFH to be configured downstream of meter

• DUPK-1000AG-SKID: Vapor purge kit for purging DOT cylinders with low-pressure propane vapor

• DURESS KIT: Components to provide externally mounted remote cable & thermal closure of RegO A3209 internal valve

• All Piping from tank to pump, bypass valve to tank, & meter vapor balance to tank, plus vapor for purge kit

• OPTIONAL 1124: Fairbanks 1,000# beam scale

PDS-DCL51DP DIMENSIONS

w/1000 tank: 21’OAL x 48”W x 5’H & weighs 2,700 Lbs.
w/500 tank: 15’OAL x 48”W x 5’H & weighs 1,850 Lbs.
DCS50DP.C12 Shown w/Optional Modular Tank Legs & Hoses

- Single door aluminum diamond plate cabinet
- C12 Corken pump with 2HP-1PH motor
  - Capable of 8.5GPM with 90psi differential
- Red Seal 1” meter w/Register, non-ATC
- Full-flow bypass valve pre-plumbed inside cabinet
- Explosion-proof manual On/Off starter switch
- OPTIONAL MFH-Economy, ¾” Autogas hose & whip hose w/pull-away & quick-acting hose-end valve & nozzle
- OPTIONAL T2P-112, tank to pump plumbing kit; inc’s/internal valve, strainer, piping, cut-off valve, flex connector, fittings
- OPTIONAL Pair of TL36 tank legs for 1,000 tank

Shown with options: MFH Economy, CFH & DU-3Way

Options & Accessories:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8118P</td>
<td>Retrofit fill valve w/ bypass line port to tank vapor for bypass line</td>
</tr>
<tr>
<td>FST-634</td>
<td>Blue Moon filter (1” ports)</td>
</tr>
<tr>
<td>6102-1078P</td>
<td>Pomoco 102 Spring Balance Hose Retractor &amp; PB-1396 Hose Clamp</td>
</tr>
<tr>
<td>GASGUARD</td>
<td>GG20 Gasguard Nozzle</td>
</tr>
</tbody>
</table>

Note: Does NOT include tank
DCL51DP.C12 Shown w/Optional Modular Tank Legs & Hoses

- Large aluminum diamond plate cabinet
- Will hold 1000# beam scale
- Cabinet Dimensions, 51”H x 47.5”W x 39.5”D
- C12 Corken pump with 2HP-1PH motor
- Capable of 8.5GPM with 90psi differential
- Pump with full-flow bypass valve pre-plumbed
- Red Seal 1” meter w/Register, non-ATC
- Explosion-proof manual On/Off starter switch
- OPTIONAL MFH-Standard, ¾” hose, whip hose w/pull-away & RegO low-emission, quick-acting fill nozzle
- OPTIONAL CFH-Standard ½” assembly w/7901TB & 7193D-10 for cylinder filling
- OPTIONAL T2P-112, tank to pump plumbing kit; inc's/ internal valve, strainer, piping, cut-off valve, flex connector, fittings
- OPTIONAL Pair of TL36 tank legs for 1,000 tank

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Note: Does NOT include tank
**GEC Dispenser Specification Design Form**

**COMPLETE ALL 4 STEPS!!**

### STEP 1: Pick Your Cabinet Style

<table>
<thead>
<tr>
<th>Blackmer (LGF1P)</th>
<th>Corken (C12)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Cabinet</td>
<td></td>
</tr>
<tr>
<td>• Pump Assembly Economy</td>
<td>ED1 (pg 7) □</td>
</tr>
<tr>
<td>• Pump/Meter Assembly</td>
<td>DU1 (pg 7) □</td>
</tr>
<tr>
<td>Cabinet - Small</td>
<td></td>
</tr>
<tr>
<td>• Aluminum (Single Door)</td>
<td>DCS50DP.B1 (pg 7) □</td>
</tr>
<tr>
<td>• Aluminum (Double Door)</td>
<td>DCS48DP.B1 (pg 7) □</td>
</tr>
<tr>
<td>• Galvanized</td>
<td>DCS59GAL.B1 (pg 8) □</td>
</tr>
<tr>
<td>Cabinet - Large</td>
<td></td>
</tr>
<tr>
<td>• Aluminum</td>
<td>DCL51DP.B1 (pg 9) □</td>
</tr>
<tr>
<td>Cabinet - Large Walk-In</td>
<td></td>
</tr>
<tr>
<td>• Aluminum</td>
<td>DCWI75DP.B1 (pg 11) □</td>
</tr>
</tbody>
</table>

**NOTE:** All dispenser cabinets include: a pre-plumbed assembly connecting pump, 1” Neptune meter with a register on the base, all valves and an explosion-proof on/off switch assembly. Standard configuration has an outlet for cylinder filling before the meter and motor fueling outlet after the meter (no CFH/MFH hoses included) with pullaway valve & hose. (Customer to provide piping for pump bypass & meter vapor return.)

### STEP 2: Pick Your Hoses

#### Hose Assemblies - Page 12

- **MFH Standard** - Motor fuel hose (¾” Parker hose with A7793A low loss valve/nozzle) ...................................................... □
- **MFH Economy** - Motor fuel hose (¾” Parker hose with 7554LV valve/A7575L3 coupling) ................................................ □
- **MFH Gasguard** - Motor fuel hose (¾” Parker hose with Gasguard GG20 safety nozzle) .......................................................... □
- **CFH Standard** - Cylinder hose (½” Parker hose/RegO 7901TB quick-acting valve & 7193D-10 POL connection) ........ □
- **CFH Long** - Cylinder hose (½” Parker hose/RegO 7901TB quick-acting valve & 7193D-10 POL connection) ........ □
- **DU-3Way** - Optional 3-Way valve & components for CFH & MFH to be configured downstream of meter with 3-way valve ...... □

### STEP 3: Pick Your Piping Kit

#### Installation Piping Kits - Page 13

- **T2P-1** - Tank to Pump piping kit for 1” inlet pump (Blackmer LGF1P) ................................................................. □
- **T2P-1-VERT** - Vertical Tank to Pump piping kit for 1” inlet pump (Blackmer LGF1P) ........................................................ □
- **T2P-114** - Tank to Pump piping kit for 1 ¼” inlet pump (Corken C10 & Blackmer LGLF1 ¼ & LGL1 ¼”) ................................ □
- **T2P-114-VERT** - Vertical Tank to Pump piping kit for 1 ¼” inlet pump (Corken C10 & Blackmer LGLF1 ¼ & LGL1 ¼”) ...... □
- **T2P-112** - Tank to Pump piping kit for 1 ½” inlet pump (Corken C12) ............................................................................. □

### STEP 4: Select Your Options

#### Options - Page 14

- **TL36** - Tank Leg Stands (pair) with bolts for use with 500 & 1000 WG tanks only (32.5” centerline width) ....... □
- **1124** - Fairbanks Beam Scale (1,000 lb capacity) ................................................................. □
- **ECK** - Electrical conduit kit is pre-installed rigid conduit, junction boxes, seal-offs & union (NOTE: Electrician to supply properly sized wire & install sealant in seal-off fitting) Specify SM or LG. ........................................................ □
- **DUPK** - Pre-installed cylinder vapor purging system mounted to interior of cabinet ........................................... □
- **CK** - Cable kit components to provide cable operation of 1 ¼” internal valve from inside cabinet. Specify SM or LG........ □
- **DURESS Kit** - Components to provide externally mounted remote cable & thermal closure of A3209 internal valve ........ □
- **PK** - Pneumatic Kit components to provide remote pneumatic operation and thermal protection of internal valves .... □
MOTOR FUEL DISPENSING UNITS
(Actual Product May Vary From Photos)

No Cabinet - Pump Assembly (Economy) & Pump/Meter Assembly

CABINETS - SMALL
(Actual Product May Vary From Photos)

DCS50DP - Closed

Dimensions
• 50"H x 40"W x 20"D

DCS50DP.C12 (Shown with options: MFH Economy, CFH & DU-3Way installed)

DCS48DP - Closed

Dimensions
• 48"H x 36"W x 20"D

DCS48DP.B1 (Shown with option: MFH & CFH installed)
CABINETS - SMALL (con’t.)

Dimensions
• 59”H x 36”W x 20”D

Galvanized - Closed
CABINETS - LARGE

(Actual Product May Vary From Photos)

Dimensions

- 51" H x 47 3/8" W x 39 3/8" D

Diamond Plate - Closed

DCL51DP.C12 (Shown with options: MFH Standard, CFH, DU-3Way & DUPK installed)
DCL51DP.B1 (Shown with options: MFH Standard, CFH & CK Cable Kit installed)
CABINETS - WALK-IN

(Actual Product May Vary From Photos)

Dimensions

- 75"H x 48"W x 54"D

DCWI75DP.B1 (Shown with options: MFH Standard, CFH & 1124-Scale installed)

DCWI75DP.C12

(Same as above but with a Corken pump installed instead of Blackmer pump)
GEC is proud to be a Parker Hose Distributor participating in the “Circle of Safety”, a certified program incorporating specific procedures and documentation for the fabrication and testing of safe reliable hose assemblies. All Parker Hose assemblies sold by GEC are fabricated and fully pressure tested by Parker to the “Circle of Safety” certified procedure.

Parker Technical Bulletin: LPG – Hose Evacuation Process

During the life of an LPG hose assembly, it may become necessary to evacuate the propane from the hose assembly. This is often done by opening the valve on the hose end and venting to the atmosphere. If this evacuation is performed rapidly, it may be detrimental to the hose and cause premature hose failure.

During the use of an LPG assembly, propane will permeate through the wall of the hose. This is a known phenomenon and regulatory agencies such as UL have maximum allowable rates of permeation (UL21-171 cc/ft/hr). The cover of the hose is perforated to allow this permeating gas to escape, and prevent it from being trapped between the reinforcement and the cover where it may create cover separation and blistering.

In the process of evacuating an LPG hose assembly, LPG that is permeating through the wall of the hose may become trapped between the reinforcement layers and the inner liner of the hose. As the pressure is released from inside the hose the LPG that is trapped between the inner liner and the reinforcement will expand as it vaporizes. The force and volume change created by the vaporization may separate the inner liner from the reinforcement and create a tube collapse and a hose failure.

To minimize the potential for this failure, the propane should be evacuated at as slow a rate as possible in order to allow the pressure inside the hose wall to dissipate as much as possible.
INSTALLATION PIPING KITS

(Actual Product May Vary From Photos)

T2P-1 - Tank to pump piping kit

T2P-114x200 - Tank to pump piping kit

DU-3Way - Optional 3-Way valve for CFH & MFH to be configured downstream of meter with 3-way valve.

A3209TL - Thermal latch

DURESS Kit - Shown installed with customer provided Unistrut and PE pipe handle.
OPTIONS

TL36 - Tank leg stands for use with 500 & 1000 WG tanks only (32.5" centerline)

TL-2KA - Tank leg stands for use with 2000 gallon tanks only

1124 - Fairbanks beam scale

ECK - Pre-installed electrical conduit

DURESS Kit

MA-4-CX-10

LEGEND
1-Pump Bypass
2-Meter Vapor Return
3-Pneumatic Kit
4-Purging Kit

CK - Cable kit

Connections to tank service valve

DUPK - Cylinder vapor purging kit with purge exhaust pipe and tank regulator/fittings
Electrical Conduit Kit (ECK) Option For Dispensers

(Actual Product May Vary From Photos)

Electrical option includes rigid conduit and junction box installed from switch to motor and from switch to external stub for power connection.

**NOTE:** Electrician is required to complete installation. Also included is the sealing cement kit for the electrician to seal the switch.

Conduit is stubbed thru back panel with union for simple hook-up.

### Accessories

### Hose End Adapters for DOT Cylinder Filling

<table>
<thead>
<tr>
<th>Part #</th>
<th>Application</th>
<th>Inlet Connection</th>
<th>Outlet Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>5764A</td>
<td>ACME to POL Adapter</td>
<td>1 ½” M. ACME</td>
<td>¼” F. NPT</td>
</tr>
<tr>
<td>7193D-10</td>
<td>Filling of DOT Cylinders with POL Connections</td>
<td>1 ½” M. NPT</td>
<td>M. POL (CGA 510)</td>
</tr>
<tr>
<td>7193U-10</td>
<td>Filling of DOT Cylinders with Type 1 Connections</td>
<td>Type 1 Connection (1 ¾” M. ACME)</td>
<td>Type 1 Connection (1 ¾” M. ACME)</td>
</tr>
<tr>
<td>7193T-10</td>
<td>Converts 7193D-10 Adapter from POL to a Type 1 Connection</td>
<td>M. POL (CGA 510)</td>
<td>Type 1 Connection (1 ¾” M. ACME)</td>
</tr>
</tbody>
</table>
### Decals

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Size</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA-16</td>
<td>Portable cylinder label - min. order 500 pieces</td>
<td>1 1/2&quot; x 5&quot;</td>
<td>Black imprint</td>
</tr>
<tr>
<td>V-44</td>
<td>Vinyl - Cylinder label, 3-in-1 • D.O.T. 1075 • NFPA hazard rating • Warning ANSI/NFPA Pamphlet 58</td>
<td>4 3/8&quot; x 6 3/8&quot;</td>
<td>Blue, yellow, red &amp; black</td>
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<tr>
<td>HZ-116</td>
<td>Vinyl - Cylinder decal-NFPA hazard</td>
<td>2 1/10&quot; x 5&quot;</td>
<td>Blue, yellow, red &amp; black</td>
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<tr>
<td>V-23B</td>
<td>Vinyl - &quot;No Smoking&quot; 4&quot; letters Red letters on white background</td>
<td></td>
<td></td>
</tr>
<tr>
<td>V-23C</td>
<td>Vinyl - &quot;No Smoking&quot; 2&quot; letters Red letters on white background</td>
<td></td>
<td></td>
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<tr>
<td>V-35R</td>
<td>Vinyl - die-cut cylinder label, D.O.T. 1075/Warning • ANSI/NFPA Pamphlet 58</td>
<td>4 3/8&quot; x 6 3/8&quot;</td>
<td>Blue, yellow, red &amp; black</td>
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<tr>
<td>V-1075</td>
<td>Vinyl For LP Gas</td>
<td>10 1/4&quot;</td>
<td>Red on white background</td>
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<tr>
<td>V-28C</td>
<td>Vinyl - &quot;Propane&quot; 2&quot; letters Red letters on white background</td>
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<td></td>
</tr>
<tr>
<td>NFPA-704-1</td>
<td>Hazard decal-Storage tank diamond for Propane: 100 ft. legibility</td>
<td>7 3/8&quot; x 7 3/8&quot;</td>
<td></td>
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<tr>
<td>CS-33</td>
<td>DOT Cylinder Label, Curved Only</td>
<td>1 1/8&quot; x 5&quot;</td>
<td>Red &amp; black on white</td>
</tr>
<tr>
<td>P-206</td>
<td>Polyolefin - &quot;DOT recommended filling procedures&quot;</td>
<td>14&quot; x 21 1/10&quot;</td>
<td>Red on white</td>
</tr>
</tbody>
</table>

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**NO SMOKING**

**PROPA doubted**

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**GAS EQUIPMENT COMPANY, Inc**

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