



SA
DIGI ENERGIES

STS LPG Equipment
& Systems

LPG TRANSFER PUMPS

Designed for transferring LPG liquid gas into LPG bottles

If using CORKEN or SMITH pump with auto LPG filling scales, it is then recommended a minimum of 4 x 48kg DV bottles (via manifold) or BULK TANK

Pump specifications:

Performance: Operates at 3,450 RPM (60 Hz).

Pressure: Maximum working pressure is 400 psig (27.6 bar), with a maximum differential pressure of 100 psi (6.9 bar).

Design: Close-coupled design (model C12FD6A, for example).

Efficiency: The design allows for handling high vapor content and provides smooth, non-pulsating flow.

Applications: Ideal for autogas cylinder filling and small bulk transfer.

Maintenance: Easy access to internal components (impeller, seal) for servicing

Optional: Manual starter & required bypass valves

(e.g., B166-12 3/4" or 1" B166-16 bypass valves), Pressure gauge, Hydraulic relief & Vent valves

CORKEN model C10 pump specifications:

Inlet	1-1/4" NPT
Outlet	1" NPT
RPM—50 Hz	2,880
RPM—60 Hz	3,450
<u>Max differential pressure</u>	
2880 RPM @ 50 Hz, psi (bar)	60 (4.1)
3450 RPM @ 60 Hz, psi (bar)	70 (4.8)
<u>Mounting options</u>	
Close coupled	Yes
Direct driven (101)	Yes
V-belt (103)	Yes
Direct mounted frame (DL)	Yes
Impeller material	Bronze (std)
O-ring material	PTFE, Viton ^{*1}
Seal seat material	Silicon carbide
Minimum/maximum temp (°C)	-32/107
Maximum driver hp (kW)	5 (3.7)

CORKEN C10

SABS Explosion-proof approved:

MASC S/23-8013X



Pump specifications:

- Design: 2-Gear
- Connection: In/Out 3/4" F.NPT / Bypass return 1/2" F.NPT
- By-Pass: Cartridge pre-set 110psid **
- Strainer Screen: Built-in
- Capacity: 30 litres / min @ 20psid and 25 litres / min @ 75psid
- Motor: 1.1kw (1.5HP) Single Phase 220VAC 50Hz
- Flame-proof Exd IIBT4 IP55
- Speed 3000 rpm. Foot mount. Cable entry M20 F
- ** Bypass comes pre-set for external bypass operation but can be set to internal bypass operation
- **Optional:** Pressure gage and hydraulic relief and vent valve

SMITH EG-110F/ELNOR

SABS Explosion-proof approved:

Exd IIBT4 IP55

