



SA
DIGI ENERGIES
STS LPG Equipment
& Systems

PRECISIO 7 - GY7170-150 Ex - AUTO

Applicable using 48kg DV bottles supply
- with AUTO SWITCH-OFF circuit

- Applicable using 48kg DV BOTTLES supply - WITH AUTO SWITCH-OFF CIRCUIT
- SABS Explosive-proof Ex ib IIC T4 approved & SABS for Trade-use approved
- Suitable for filling material: Liquefied petroleum gas (LPG) and other liquefied gas with less than Class Ex ib IIC T4 IA
- Certificate No.: SABS S/13-379 X Certification: ZONE 1 & 2

Scale features:

- Precision / Accuracy: Class III
- Quantitative Filling
- Optional for auto cut-off of pump if using series of DV 48kg bottle supplies or continues if using BULK tank supply with by-pass loop.
- Ex Intrinsically-safe Explosive-proof
- Safe and reliable, Simple and convenient
- One key set / pre-set weights
- From small 3kg bottles up to 48kg & forklift bottle filling
- Automatic tare of the filling gun and bottle weight, filling convenient operation
- Platform Dimensions: 40cm x 50cm x 5mm chequered top plate for long lasting
- Dimension(L*W*H): 40 x 80 x 1,5mHeight
- Weight: 67kg

Operation explanation:

Integral check-weigher with refill function ensures filling tolerance compliance. An automatic go-to-zero of tare value & thus automatically to recuperate the residue gas, which eliminates overfilling. Gas filling totals on-board including residual, gas added and saleable gas. A START button with highly reliable long lasting electronic valve starts the auto process. Tare zone check ensures correct fill program per cylinder.

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)

Mounting options

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)



Two pump options:



SMITH model GE-110F 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



Optional:

- Pressure gauge, Hydraulic relief & Vent valves
- By-pass valve
- Elevated waist height flip platform
- Remote stand for indicator
- Two size bottle filling valves

Applications:

- Power: 2000mAh Lithium-ion Re-chargeable battery.
- Battery charger included with an additional battery & battery drum.
- Battery operation: minimum 45hrs
- Pressure: 0 - 1.6MPa (16Bar)
- Capacity x Accuracy: 150kg x 50g