

# Bulk Loading and Unloading Metering Post

## Introduction

Compac CNG Metering Posts are designed and manufactured to the highest international standards. These units are the result of over thirty years of manufacturing CNG dispensing equipment, combined with continual investment in research and development.

All materials used in our CNG Metering Posts are of the highest quality stainless steel for the best corrosion resistance, and are designed for ease of service.

## Metering Post General Specifications

- Tubing, sheetmetal, framing and brackets
- Fixed pressure refuelling (adjustable)
- LCD display with backlighting
- Push to start button
- Stop button to close solenoid and terminate fill
- Pressure gauges Ø100 dual scale 0-400 bar
- Manual outlet isolation valve
- Hose options: ¾" and ½"
- Coupler (to be specified)

## Metering Post Performance

- Flowrate up to 100 kg/min\*
- Accuracy ± 1% on CNG gas for entire system
- Maximum inlet pressure 275 bar and 350 bar models
- Power 230V, 50 Hz ±10%
- Ambient temperature range -25°C to +55°C (-40°C optional)
- CNG temperature range -40°C to +75°C

\* Flow rate dependant on upstream and downstream conditions, hose selection and maximum inlet pressure.

## Electronic Components

- Compac C4000 Power Supply and Electronic Head
- Dispenser wired for Class 1 Zone 1 Hazardous Areas
- Intrinsically safe meter, displays, totes and switches
- OIML approved error checking on meters and displays
- Simple interface to setup meter and parameters
- Adjustable high and low flow cutoff

## Hydraulic Components

- Compac KG80 Coriolis Mass Flow Meter 1-100kg/min
- Compac SCI-12-SS High Flow Solenoid
- Compac RCI-12-SS High Flow Regulator

## Metering Post Options

- Electro-mechanical totaliser 7 digits
- Display units of measure: kg, m<sup>3</sup> or litre equivalent
- Gauges with psi and either bar, MPa or kg/cm<sup>2</sup>
- Decals to suit customer requirements
- PC and POS systems interfaces
- Other options available on request

## Electrical Approvals

- European ATEX BaseefaA03ATEX0683X
- Australian AUS Ex 3595
- KG80 Meter - N.M.I. Australia #12/1/8



Loading Metering Post pictured above  
(Unloading Metering Post varies slightly)