



KG80 Meter

Compac's innovative technology is the best choice for your CNG dispensing system. The integration of the KG80 meter with Compac electronics offer excellent reliability, high accuracy and zero maintenance.



The KG80 Coriolis Mass Flow Meter offers many benefits in CNG refuelling.

The KG80 meter is an example of Compac's innovative technology, designed and manufactured in their NZ factory.

During the course of CNG delivery there are rapid variations in pressure, temperature and flow rates as solenoids open and close and the vehicle fills. To ensure the meter is fit for this demanding task, it has been purpose designed and developed for CNG.

Compac's KG80 Meter is approved to the latest OIML standards for accuracy and is rated for inlet pressures up to 275 bar (350 bar optional).

Ongoing Development

Compac is committed to making the best CNG metering systems in the world. Through our in-house electronic and mechanical engineering departments we are constantly developing our products and technology.

Manufacture and Test Facilities

All meter manufacture and testing is done at Compac so we have complete control over the final product. Compac has stringently tested all meters on water and gas to ensure the best accuracy for our customers.



Standard Specifications

Manufacturer	Compac Industries
Nominal Flow Rate	0-100 Kg/min
Maximum Inlet Pressure	350 bar
Temperature Range	-25°C to +55°C (Standard) -40°C to +55°C (Non-Standard Version) (Intermittent Gas Temp -55°C to +80°C)
Weight	~4.1 Kg
Accuracy on CNG	To latest OIML Standard
Material Specification	All wetted parts Stainless Steel

→ **Advantages of the KG80 Coriolis Mass Flow Meter**

Zero Free Gas

Error checking between the KG80 meter and the C4000 prevents unmeasured gas being dispensed.

Zero Calibration Drift

Compac is the first meter manufacturer to make a meter with absolutely no zero point drift.

Simple Interface

The integration of the KG80 meter with the C4000 Electronics gives an extremely simple interface with no need for laptops, special tools or elaborate protocols.

Mechanical Innovation

Compac has designed the meter with no weld or braze in contact with the flow of gas. The ingenious design eliminates potential problems of gas leaks at brazes of welds due to metallurgical changes.

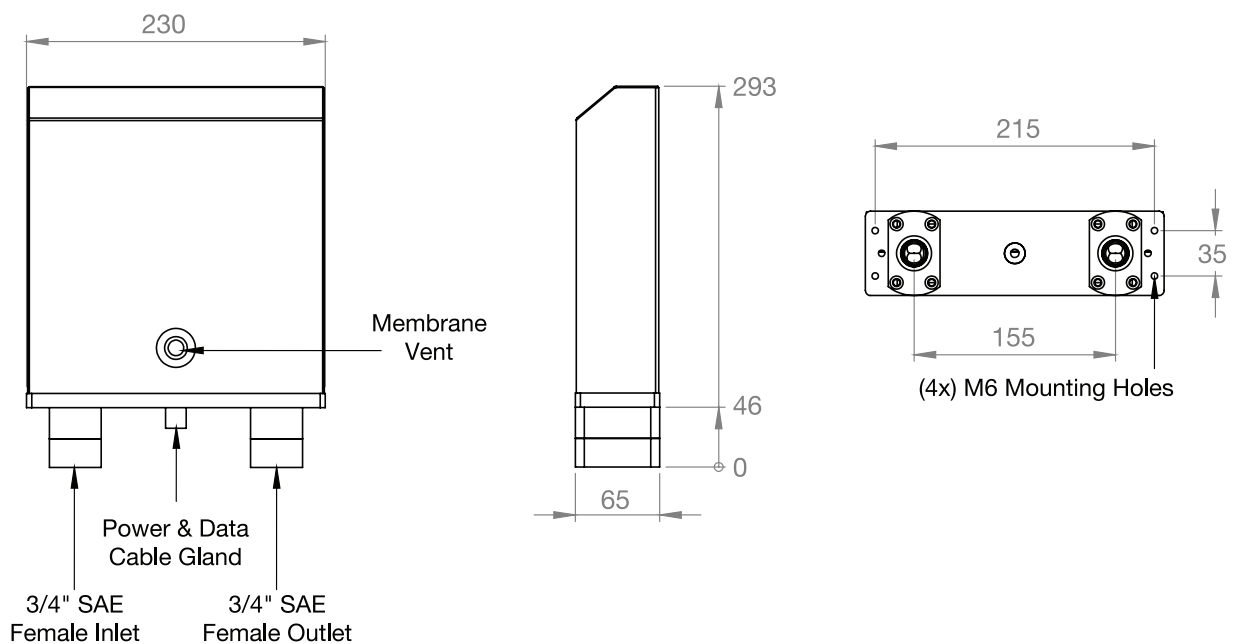
Ease of Service

The KG80 meter is self-characterising and is the easiest CNG Coriolis meter to setup. All you need to do is plug it in, input the calibration K-factor and you are ready to dispense gas. While the need for meter replacement is rarely required, it is also incredibly simple should you ever need to do so. All you need is a spanner and a hex key and in a matter of minutes you can be back filling vehicles.

Electronic Design

At the heart of the KG80 meter is a powerful DSP with advanced algorithms and filters. High speed processing and intelligent software ensure the meter is accurate and reliable.

→ **Dimensions of the KG80 Coriolis Mass Flow Meter**



Approvals

Compac strongly believes in the importance of having a third party to verify and approve all products and the KG80 Meter is no exception. The C4000 dispenser electronics, including the KG80 Meter, are intrinsically safe and have been approved for Class 1 Zone 1 Hazardous areas. Copies of these are available on our website or on request.

- ATEX Baseefa03ATEX0683X
- IECEx TSA 08.0044X
- NMI Australia 12/1/8 (NMI R139)
- NMI Holland Test Report 11200633 (OIML R139)
- NTEP USA Weights and Measures Approval



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