

FLOWCOM 3000



Advanced flow
metering and control
systems for liquefied
gases and more





FLOWCOM 3000. Pioneering flow metering. Proven performance.

FLOWCOM 3000 provides accurate and type approved measurement of trailers and stationary filling stations for the following gases and liquids:

Liquid Air
Gases
(N₂, O₂, Ar)

Liquid
Hydrogen

Ethylene

and many
other
liquefied
gases

Liquid CO₂

LNG

AdBlue

LPG

Gaseous
Hydrogen

Methane



FLOWCOM 3000 delivers highest accuracy and reliability in combination with legally compliant data storage and pump protection features

- Outstanding accuracy and reliability, well in excess of legal requirements
- Integrated PumpSmart system protects the pump from damage during operation
- System stores the parameters of > 4000 deliveries in its MID-type approved data logger with the option of data transfer via Bluetooth or wire
- Wear-free and maintenance free metering section with no drift over time and lifetime warranty
- Easy on-site calibration at your facility or any of CHART's cryogenic service centres
- Easy installation with upgrade packages available from FLOWCOM 2000 and previous generations
- Compatible with CHART VCT MultiControl tank filling and emptying system
- Type approval for Europe (MID), USA (NTEP) and other countries



MultiControl

MultiControl is a partially or fully automated loading and unloading system for safely, reliably and efficiently filling and emptying tanks containing liquid gases. Developed by CHART VCT it is the perfect companion to FLOWCOM 3000.

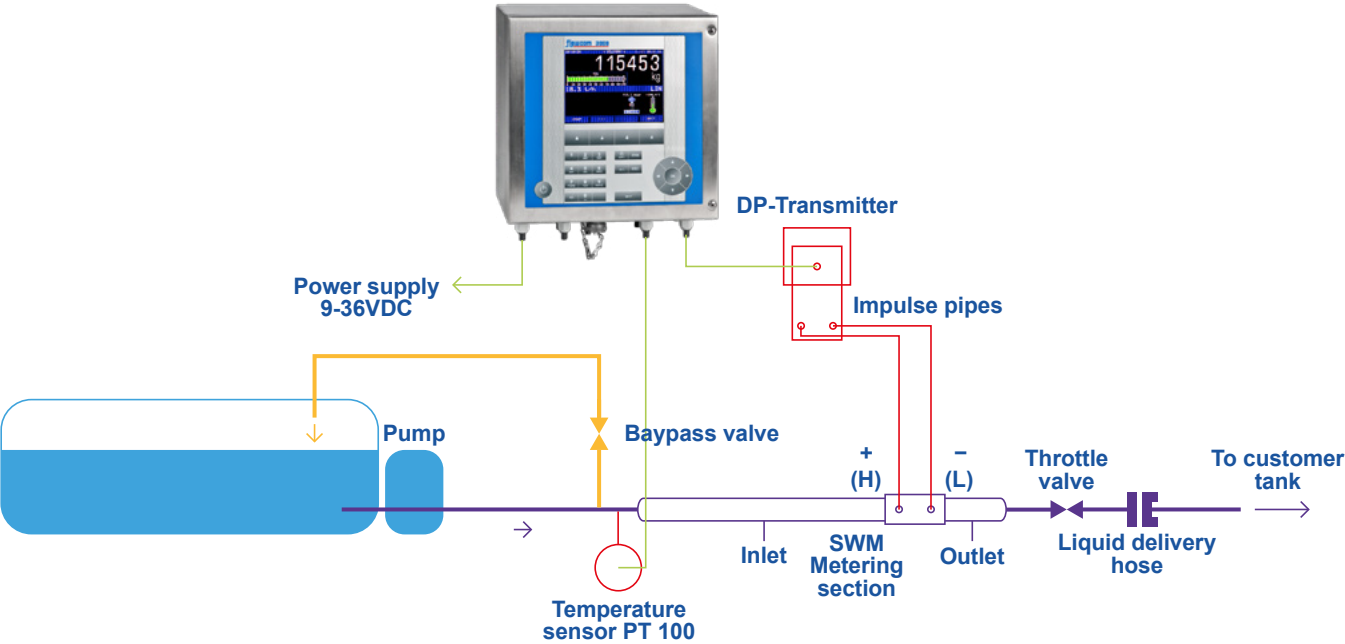




System Layout



FLOWCOM 3000
Electronics



Data output / transfers

Wired printer / Bluetooth printer for delivery notes

FLOW Protocol for data transfer to e.g. tablet computer or ERP system via serial interface or Bluetooth





Every FLOWCOM 3000 comes with the integrated pump control and protection system “PumpSmart”:

- **Safety features**
 - Flow drop shut off
 - Max flow exceeded shut off
 - Min flow undercut shut off
 - Flow peak shut off
- **Pump control features**
 - Pump cool down control
 - 2-phase flow detection
 - Pump cavitation control
- **Service features**
 - Pump hour counter



↑ FLOWCOM 3000 is also used in CHART's Dynaflow dispensers.

Main Technical Specifications

Flow rates for Air Gases, CO ₂ , LNG	1000 to 120,000 kg/h
Flow rates for Gaseous Hydrogen	1 to 20 kg/min
Flow rates for Liquefied Hydrogen	400 to 3500 kg/h
Standard measurement range	1:5 and 1:25
Units	kg, litre, Nm ³ , gallon, lbs
Dimensions of main unit	250 × 250 × 160 mm ³
Protection class	IP 65
Input Voltage	9–36 VDC
Power consumption	max. 10 W (without printer), max. 50 W (with printer)
Others	Multi language HMI on a 5.7” colour display

Various digital and analog inputs, digital outputs, serial interfaces and optional Bluetooth interfaces

Please contact us

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