

ACCUCHROME™ C9+ GC

CHARACTERISTICS

The AccuChrome™ C9+ Gas Chromatograph rapidly analyzes natural gas from C1 to C9, including nitrogen and carbon dioxide.

Dimensions

- H 96cm; W 76cm; D 32cm
- W: 56kg

Utility Requirements

- Helium or Hydrogen carrier gas
- Carrier Gas pressure: 4 bar [60 psi]
- Sample Gas pressure: 0.3 bar [4.4 psi]
- Carrier gas consumption: 20 sccm or less
- Sample gas consumption: 30sccm or less

Certifications

- ATEX/IECEX Zone 1  II 2G Ex db IIB+H2 T5 Gb
- CSA/UL Class I Zone 1 IIB+H2 T4
- CSA/UL Class I Division 2

BENEFITS

High Accuracy

Micro Thermal Conductivity (μ TCD) and Nano Electro Mechanical (NEMS) detectors deliver high accuracy results.

Fast and Easy Maintenance

Modular analytics and low gas consumption (one tank change per year).

SOFTWARE

Web browser based interface software for local or remote connection.

Communication

- Modbus TCP or;
- Modbus RTU

Analysis Output

- Wobbe Index
- Heating value
- Density
- Hydrocarbon Dew Point
- C7, C8, C9 sums on request

APPLICATION

NATURAL GAS	STANDARD RANGE*
N2 + O2	0.01 - 5%
CH4	50 - 100%
C2H6	0.01 - 20%
C3H8	0.01 - 10%
CO2	0.01 - 15%
C4,C5	0.10 - 1%
C6	0.09 - 1%
C7, C8, C9	0.01 - 2%

(*) specifications subject to change



HEAVY HYDROCARBON QUALITY MEASUREMENT COMPARISON

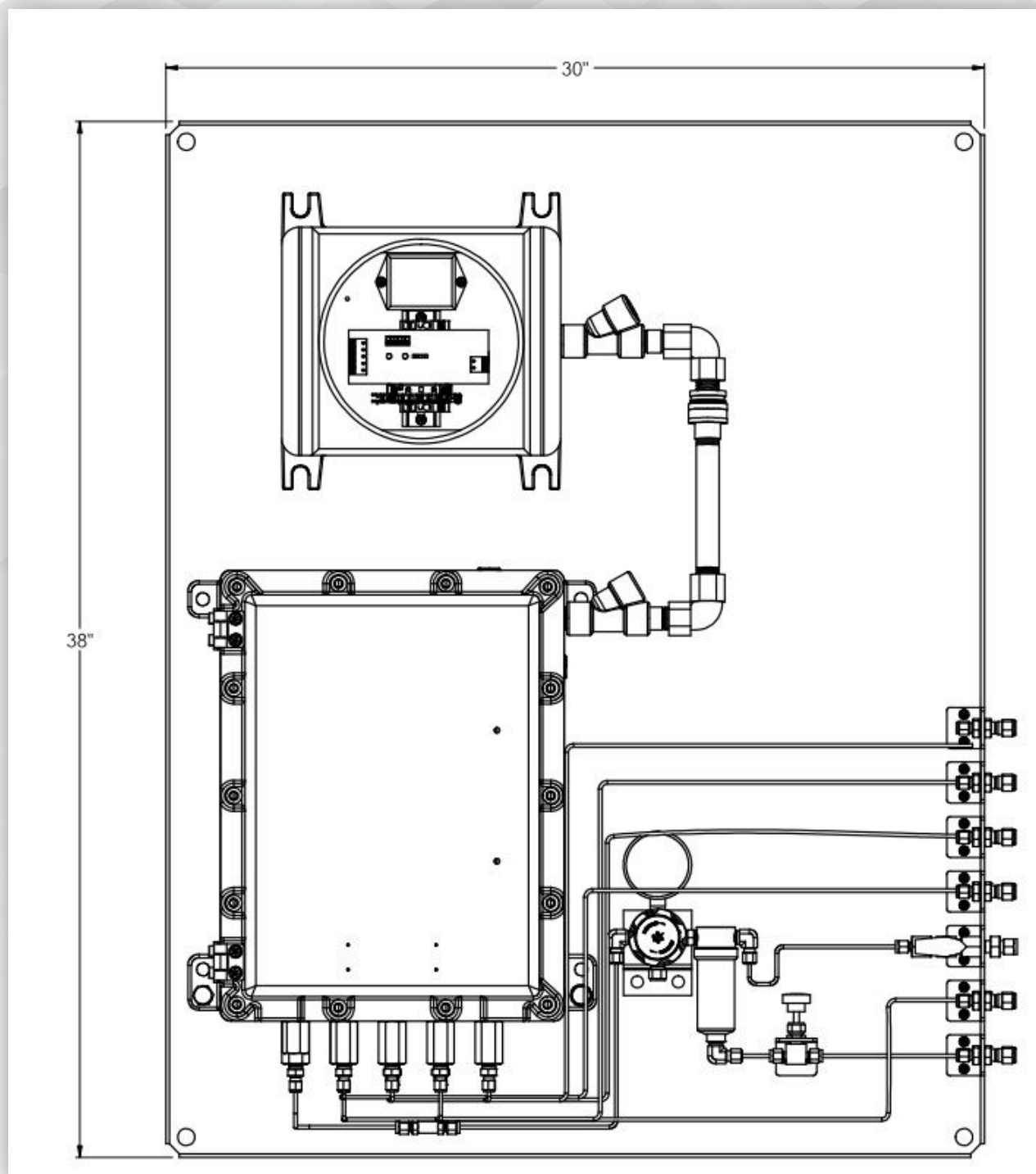
AccuChrome™ GC C9+	
Ambient temp rating:	-20°C to 50°C (-29°F to 122°F)
Carrier gas consumption:	20 sccm or less (4 bar)
Sample gas consumption:	30 sccm or less (0.3 bar)
C6 LDL:	50 ppm-mol
C6 Repeatability:	± 0.1%
C7-C10 LDL	10ppm-mol
C7-C10 Repeatability	10 %RSD
Heating valve measurement response	2 minutes (C6+); 5 to 7 minutes (C9+)
Multi-stream capability	Up to 3 with Auto Calibration Up to 4 with Manual Calibration
Web-based Configuration Software	Yes
Local display	Optional.
Modbus:	TCP or RTU
Communication Ports:	1x Ethernet"; 1x RS232/RS485
Dimensions:	H: 96cm W: 76cm D: 32cm
Weight:	56 kg
Power:	300W Max

ABOUT GALVANIC

We engineer all of our systems and components to deliver uncompromising accuracy, reliability, and long-term value to users, even in the most-challenging process environments.

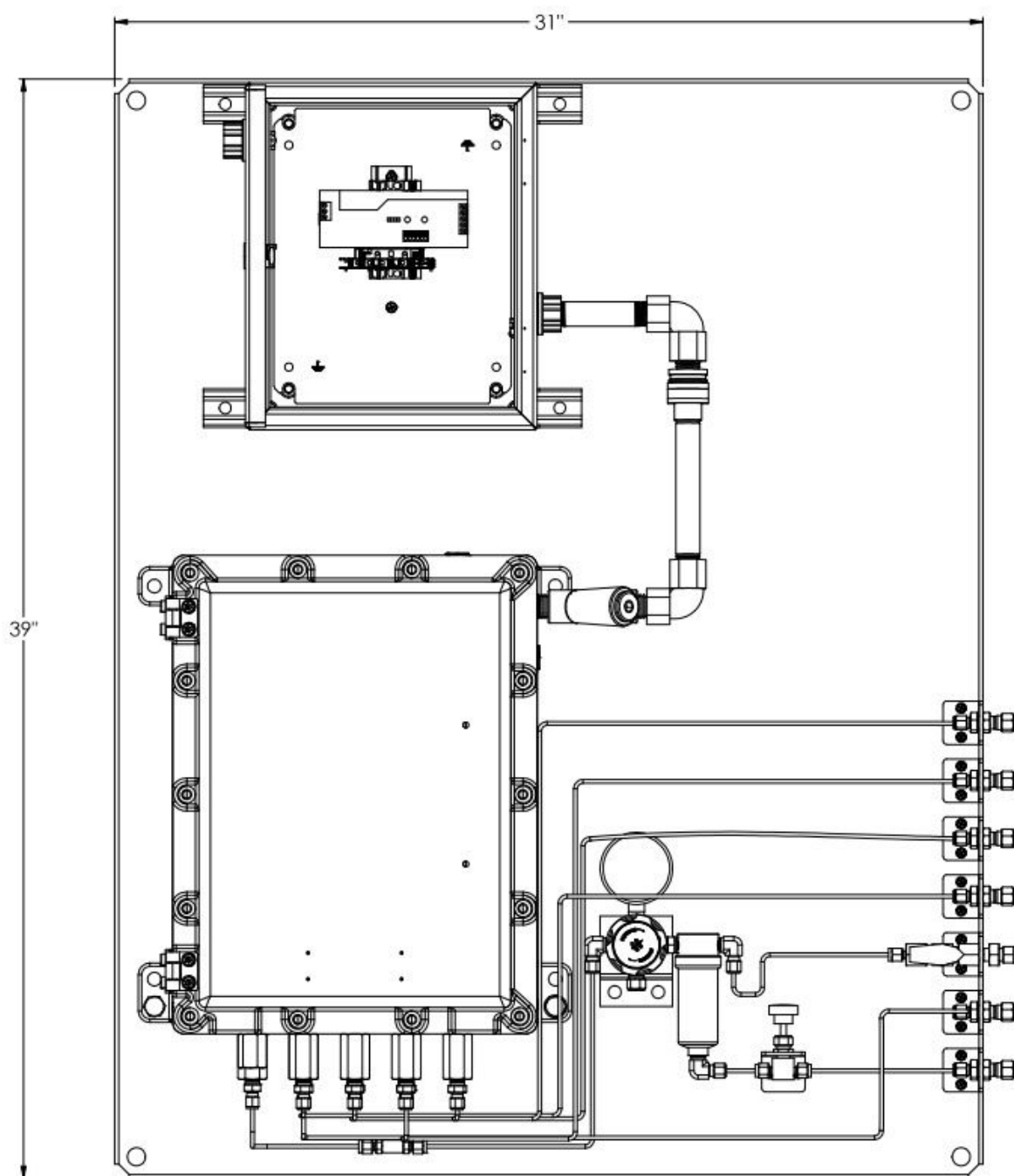
That's why multinationals and small companies alike turn to us again and again – they count on our attention to detail, applications know-how, and exacting quality standards.

We work with customers to tailor each system to meet their site-specific process requirements and to provide unparalleled support through installation, training, and long-term product maintenance.



ACCUCHROME™ C9+ ASSEMBLY FOR CLASS I ZONE 1

Shown with recommended power filtering option and standard fast loop sample system.



ACCUCHROME™ C9+ ASSEMBLY FOR CLASS I DIVISION 2

Shown with recommended power filtering option and standard fast loop sample system.