



# In-Line Fluid Monitoring Packages

Informer & ProControl 1KE



PROVEN QUALITY. LEADING TECHNOLOGY.

# The **Affordable** Way to Measure Fluids & **Reduce Paint Waste**

The Informer and ProControl 1KE are easy-to-use fluid monitoring packages that accurately measure and regulate flow rates, and monitor the amount of material that passes through fluid lines – great tools for improving your finishing process.



## Reliable Information and Control

Graco's In-Line Fluid Monitoring Systems are built to save you time and money. Choose the Informer to monitor your fluids or the ProControl 1KE to manage your fluids. Both products are backed by Graco's proven reliability of key system components.

### Easy-to-Read Display

Tracks & monitors flow rates and paint usage daily, weekly, monthly or yearly.

### PIN Protected

Locks set-up functions from unauthorized changes.



### Maintenance Alert

Sends an alert when equipment needs maintenance.

### Batch Total

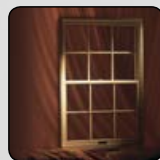
Accumulates total volume for job tracking.

### Key Applications

- Manual spray finishing
- Automatic spray finishing
- Solvent metering
- Single fluid dispensing

### Key Industries

- Auto feeder
- Truck and bus
- Automotive
- Farm and construction
- Aerospace
- Wood



# Informer

## Monitor Fluids and Improve your Finishing Processes

Closely monitor fluid use and collect critical operating information for costing, reporting and improving processes. It's easy, efficient and saves you time and money by reducing paint waste.

### Easy

#### Accurate Reporting

Collect accurate material use data easily for environmental compliance reports.

#### Office or Remote Access

Optional Advanced Web Interface (AWI) allows you to gather data from your office or remotely.

### Efficient

#### Minimize Waste

Monitor flow rates to identify worn tips on your spray guns or calibration issues – reducing paint waste and costs.

### Productive

#### Save Time & Money

Quickly and efficiently calibrate your spray guns to avoid overspraying or underspraying - saving you time and money.

#### Solvent-Proof Cover

Durable cover resists solvents

#### Touch Control Buttons

Select the readout or program rates, limits or other management control features

#### Fiber Optic Communications Port

Send data between Informers and AWI or PLC

#### G3000 Precision Meter

Measure volume and flow of fluids (other models available)



# ProControl 1KE

## Manage Fluids for Better Spray Performance

Actively manage fluid and air pressure to lock in precise spray parameters. Similar to the Informer, the ProControl 1KE not only monitors fluids, but has added controls to manage fluids and improve spray performance.

### Precise Control

#### Liquid

Manage the pressure or flow rate of the finishing material to prevent overspray and wasted material.

#### Atomizing Air

Manage the fan air to maintain a high quality finish.

### Easy Adjustment

#### Pressure & Flow Rate

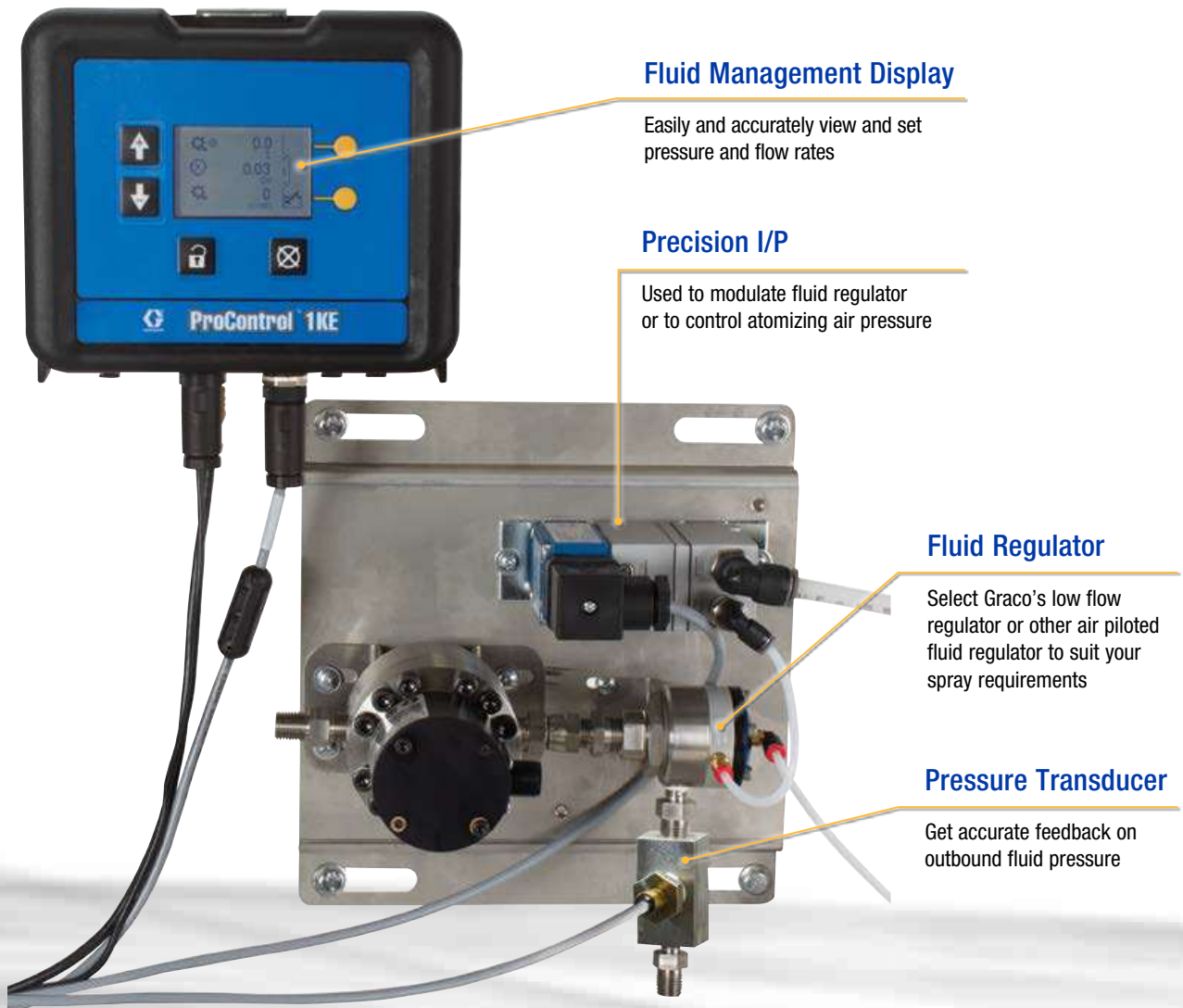
Manage the spray pressure or flow rate by increasing or decreasing the opening of the fluid regulator.

Preset upper and lower limits, allowing operator to adjust the output within those limits or lock the setting entirely.

### Accurate Reporting

#### Material Use

Easily collect material use data for environmental compliance reports with Liquid Control units.



#### Fluid Management Display

Easily and accurately view and set pressure and flow rates

#### Precision I/P

Used to modulate fluid regulator or to control atomizing air pressure

#### Fluid Regulator

Select Graco's low flow regulator or other air piloted fluid regulator to suit your spray requirements

#### Pressure Transducer

Get accurate feedback on outbound fluid pressure



# Advanced Web Interface

Remotely Monitor All Fluids on your Corporate Network

## Advanced Web Interface (AWI)

### Easy Access & Reporting

Web browser interface allows you to quickly gather information for environmental compliance reports with access from your home or remote location.

### Reduce Operator Error

Preset upper and lower limits for flow rate or fluid pressure, allowing operator to adjust the output within those limits.

### Track Your Results

- Set up and track usage from the office or by remote login
- Ability to track ProMix 2KS systems on the same network

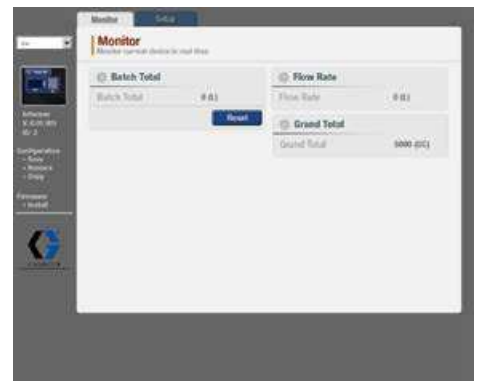


Advanced Web Interface Setup Screen

## ModBus PLC Interface

### Send volume and flow information to your PLC

- Integrate fluid information into automated process
- Control flow rate or fluid pressure
- Capture material use data
- Manage up to 30 ProControl 1KE systems



Advanced Web Interface Run Screen

### Flow Meters

Graco's highly accurate gear and mass flow meters are ideal for finishing applications using most solventborne and waterborne paints and resins.

#### G250/G250 HR, G3000/G3000 HR and S3000

- Positive displacement, spur gear flow meter
- Designed for low to medium viscosity materials
- Stainless steel compatible



G3000/G3000 HR



S3000

#### HG6000/HG6000 HR

- Positive displacement, helical gear flow meter
- Designed for higher flow rates and higher viscosity materials
- Stainless steel, water-base compatible



HG6000



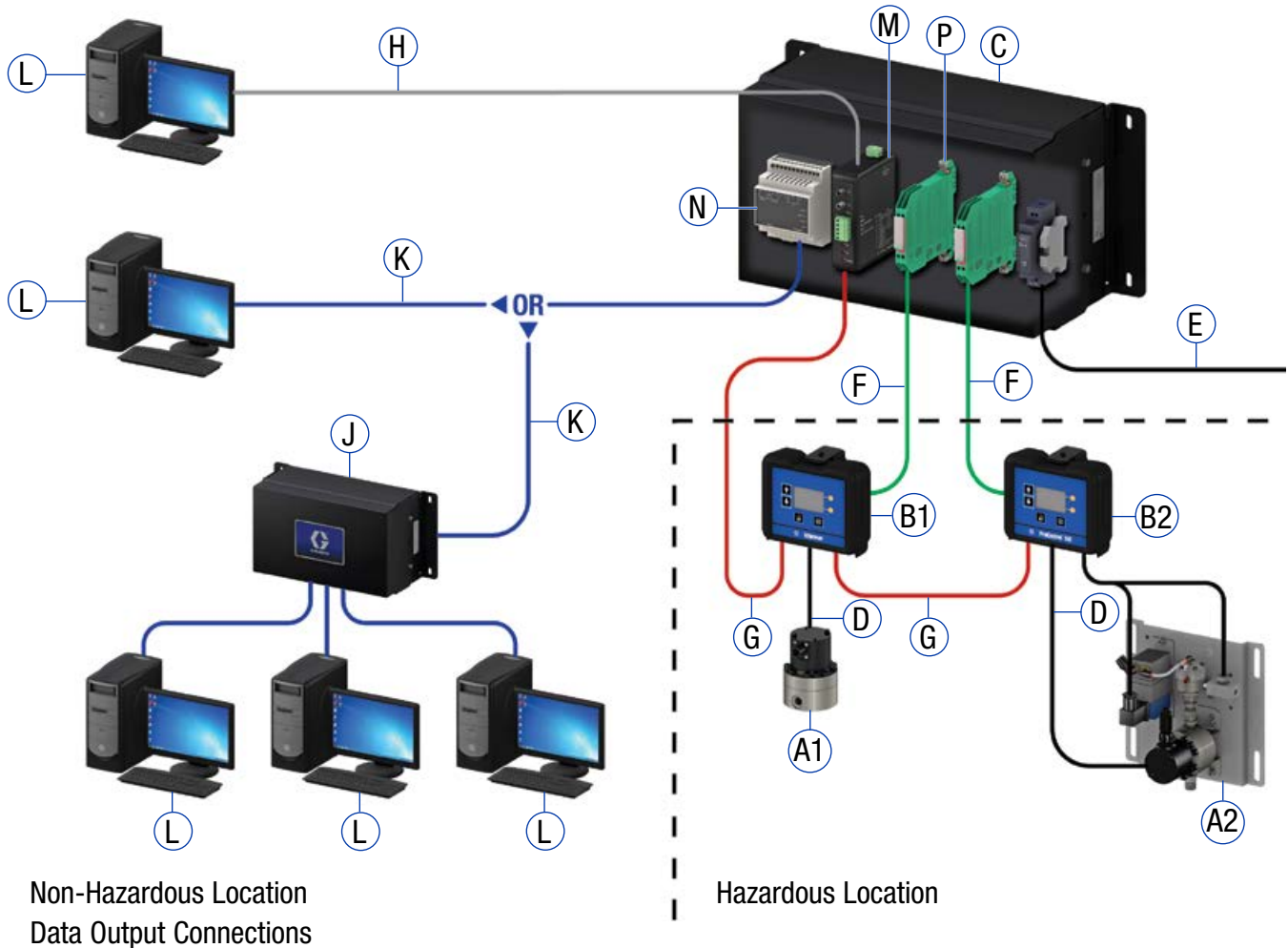
Coriolis Mass Flow

#### Coriolis Mass Flow

- Non-intrusive mass flow meter
- Designed for all abrasive and filled materials
- Stainless steel, waterborne and acid compatible

# Installation

Reference	Description	Comments
A1	Flow Meter	Supplied in certain kits
A2	Fluid Plate	Supplied in certain kits
B1	Informer	Supplied
B2	ProControl 1KE	Supplied
C	Power Supply and Barrier	Supplied in IS Kits
D	Meter Cable, 50 ft (15 m)	Supplied
E	Power Cord, 10 ft (3 m)	Supplied in Non-IS Kit
F	Power Cable, 50 ft (15 m)	Supplied Individually or in IS Kit
G	Fiber Optic Cable	See Replacement Parts-Accessories
H	Serial Cable	See Replacement Parts-Accessories
J	Advanced Web Interface	See Replacement Parts-Accessories
K	Ethernet Cable	See Replacement Parts-Accessories
L	Personal Computer or PLC	Not supplied
M	FO to Serial Converter	See Accessories
N	Modbus TCP to Modbus RTU	See Accessories
P	Barrier	Supplied Individually or in IS Kit



# Ordering Information

## Informer & ProControl 1KE

Part No.	Informer Module	ProControl 1KE Module	Power Type			G3000 Meter	Fluid Control Type			
			No Power*	AC (no barrier)	AC (w/ barrier)		Fluid Control	Fluid Regulator	Pressure Transducer	Air Control
24L073	•		•							
24L074	•		•			•				
24L075	•			•						
24L076	•			•		•				
24L077	•				•					
24L078	•				•	•				
24L083		•	•							
24L084		•		•			•	•		
24L085		•			•		•	•		
24P592		•		•			•		•	
24P593		•			•		•		•	
24P594		•		•		•	•			
24P595		•			•	•	•			
24L086		•		•		•	•	•		
24L087		•			•	•	•	•		
24P596		•		•			•	•	•	
24P597		•			•		•	•	•	
24L088		•		•		•	•	•	•	
24L089		•			•	•	•	•	•	
24R261		•	•			•	•			
24R262		•	•			•	•	•		
24R263		•	•				•	•		
24L090		•		•						•
24L091		•			•					•

### Replacement Parts - Accessories

#### Power

- 16V680 Non-Intrinsically Safe (Non-IS) power supply, 100-240 VAC input, 50/60 Hz, 24 VDC output
- 16M167\* Intrinsically Safe (IS) power supply assembly, 100–240 VAC input
- 16P467\* Power Barrier Kit, add to IS power supply to power an additional Informer. Includes power barrier, terminal blocks, wiring and power cable.

\*Purchase IS power cable separately

#### Cables

##### Non-Intrinsically Safe Cables

- 16K483 Meter Cable, 50 ft (15 m), for connecting Informer to a meter
- 16K484 Meter Cable Extension, 50 ft (15 m), for meter cable
- 16V069 Non-IS Power Cable, 50 ft (15 m)
- 16V070 Non-IS Power Cable, 100 ft (30 m)
- 16V380 Non-IS Pressure Sensor Cable, 50 ft (15 m), connect pressure sensor to ProControl 1KE
- 16P790 Non-IS Flow Control Cable, 50 ft (15 m), connect flow control to ProControl 1KE

##### Intrinsically Safe Cables

- 16K509 IS Power Cable, 50 ft (15 m), for power supply
- 16K615 IS Power Cable, 100 ft (30 m), for power supply
- 16V074 IS Meter Cable, 50 ft (15 m), to connect the Informer to a meter
- 16V077 IS Meter Cable Extension, 50 ft (15 m), meter cable
- 16V381 IS Pressure Sensor Cable, 50 ft (15 m), to connect to ProControl 1KE
- 16V142 IS Flow Control Cable, 50 ft (15 m), connect flow control to ProControl 1KE
- 16V071 IS Flow Control Extension Cable, 50 ft (15 m), connect flow control to ProControl 1KE

#### Fiber Optic Cable

- 16M172 50 ft (15 m) fiber optic cable
- 16M173 100 ft (30 m) fiber optic cable

#### Interfaces

- 24N978 Fiber Optic to Serial Converter, communicate from the Informer to a PLC
- 15V337 Advanced Web Interface, communicate from the Informer to a PLC via Ethernet
- 24N807 Non-IS beacon light kit
- 24N977 ModBus TCP to ModBus RTU
- 24P006 Signal out kit

#### Meters & Transducers

- 289813 G3000 Meter  
Positive displacement, gear flow meter, 0.02 to 1.0 gpm (75 to 3800 cc/min), for low to medium viscosity materials
- 289814 G3000HR Meter  
Positive displacement, gear flow meter, 0.01 to 0.5 gpm (38 to 1900 cc/min), for low to medium viscosity materials
- 280560 HG6000 Meter  
Positive displacement, helical gear flow meter, 0.013 to 6.0 gpm (50 to 22,712 cc/min), for high flow, high viscosity materials
- 258718 S3000 Solvent Meter  
Positive displacement, gear flow meter, 0.01 to 0.5 gpm (38 to 1900 cc/min), for light viscosity materials
- 24P600 Pressure Transducer Kit, 100 psi (7 bar, 0.7 MPa)  
Used to measure fluid or air pressure
- 24R906 High Pressure Sensor Kit, 7500 psi (517 bar, 51.7 MPa)

#### Coriolis Meter Kit

Non-intrusive mass flow meter, for abrasive and filled materials, range of flow rates and materials

- 24N525 1/4 in Coriolis Flow Meter Kit

#### Fluid Regulators

- 24C375 1:1 Low Flow Regulator
- 24C471 1:2 Low Flow Regulator
- 24C472 1:3 Low Flow Regulator
- 234266 High Flow Regulator



## ABOUT GRACO

### PROVEN QUALITY. LEADING TECHNOLOGY.

Founded in 1926, Graco is a world leader in fluid handling systems and components. Graco products move, measure, control, dispense and apply a wide range of fluids and viscous materials used in vehicle lubrication, commercial and industrial settings.

The company's success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service. Working closely with qualified distributors, Graco offers systems, products and technology that set the quality standard in a wide range of fluid handling solutions. Graco provides equipment for spray finishing, protective coating, paint circulation, lubrication, and dispensing sealants and adhesives, along with power application equipment for the contractor industry. Graco's ongoing investment in fluid management and control will continue to provide innovative solutions to a diverse global market.

## GRACO LOCATIONS

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## SALES/ DISTRIBUTION/ SERVICE

Call today for product information or to request a demonstration.

**877-84GRACO (1-877-844-7226) or visit us at [www.graco.com](http://www.graco.com).**

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