ProDispense™

Electronic Fluid Dispense and Meter System

Flexible Configurations, Flexible Locations

Whether managing one fluid or up to eight, operating from hazardous or non-hazardous locations, ProDispense gives you total control

CONSISTENT DISPENSE

- Deliver the exact volume of fluid every time
- Dispense one fluid or many fluids at a time

MULTIPLE DISPENSE OPTIONS

- Station (manual) mode: Dispense activated by operator
- Recipe (automatic) mode: Recipe controls order and amount of fluid dispensed
- Combination dispense: Recipe includes automatic and station mode dispense

WIDE DISPENSE RANGE

- 10 cc to hundreds of gallons dispensed with an accuracy of ±1 percent or less

EASY INTEGRATION

- Local or integrated control
- Connects to PLC and barcode scanners
- Network data collection

FLEXIBLE CONFIGURATION

- Each Fluid Control Module (FCM) manages two fluid panels
- System manages up to eight fluids

FLEXIBLE LOCATION

- Wired Remote Operator Station for activation in non-hazardous locations
- Wireless Remote Operator Station for activation in hazardous locations

FLUID PANELS DESIGNED FOR A VARIETY OF MATERIALS

Seven fluid panel configurations allow for a wide range of material, viscosity and flow rates

Vehicle Fluid Dispense

- Oil
- Brake fluid
- Coolant
- Power steering fluid
- Transmission fluid
- Windshield washer fluid

Dispense Applications

- Paint/solvent
- Grease
- Hydraulic fluids
- Injection mold release
- Dye injection
- Adhesive

G3000 Meter Fluid Panel
for grease and paint

Oil Meter Fluid Panel
for lubricants and oil

Helical Gear Meter Fluid Panel
for high viscosity fluids

Fast and Accurate Dispensing

Graco's ProDispense is a cost-effective and user-friendly electronic system that dispenses preset amounts of fluids. The ProDispense system allows durable goods manufacturers to quickly and accurately fill cavities with oil, grease, water or other industrial fluids in assembly line environments or dispense fluids where accuracy is essential. ProDispense can deliver up to eight different fluids at multiple dispense points, accurately measure volume, track material usage and report results in either non-hazardous or hazardous areas.

Operating Precision

User interface provides simple operation and data entry. Each dispense will deliver the correct fluid volume or the system will alarm.

- Full color display shows dispense status

- Progress of each fluid and overall recipe dispense

- Recipes programmed to specific fluid, volume target and dispense order

Advanced Display Module (ADM)

DISPENSE RECIPES FLEXIBILITY

- Up to 50 pre-configured dispense recipes

- Up to 10 items per recipe, including specific fluid and timed dispense pause
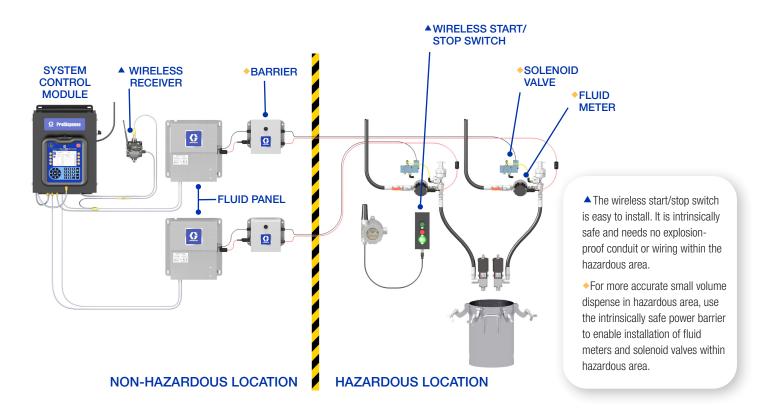

MATERIAL TRACKING

- Each dispense key data is recorded with date and time stamp

- Reporting capability tracks volume, usage and dispense results for process verification

- Job logs and error reports can be seen on screen or downloaded to USB memory
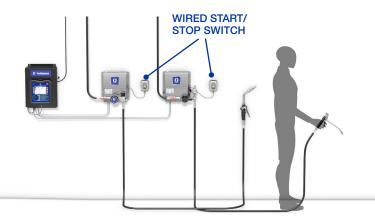
Operate ProDispense from Remote Location

For recipe mode only

With the optional wireless start/stop switch, an operator can activate ProDispense in a hazardous location, like a spray booth. This allows fluid panels to remain separate in a non-hazardous area – without wired connections to the stop/start switch.

WIRELESS START/ STOP SWITCH

SYSTEM CONTROL MODULE

▲ **WIRELESS RECEIVER**

◆**BARRIER**

◆**SOLENOID VALVE**

◆**FLUID METER**

FLUID PANEL

NON-HAZARDOUS LOCATION

HAZARDOUS LOCATION

▲ The wireless start/stop switch is easy to install. It is intrinsically safe and needs no explosion-proof conduit or wiring within the hazardous area.

◆ For more accurate small volume dispense in hazardous area, use the intrinsically safe power barrier to enable installation of fluid meters and solenoid valves within hazardous area.

WIRED START/ STOP SWITCH
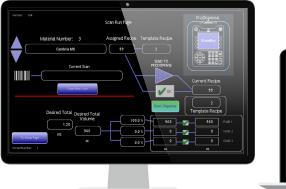
NON-HAZARDOUS LOCATION

For recipe mode or individual station dispense mode

With the optional wired start/ stop switch, ProDispense can be activated remotely by an operator in a non-hazardous area.

Integration for Remote Control

Programmable Logic Controller (PLC) - for remote control, system set up and monitoring, and data reporting. Connect with ProDispense through Graco's Gateway Module.*

Peripheral devices (PC, Tablet, or Smart Phone) - for remote system set up and monitoring.

Barcode scanner - for selecting recipe specific to individual product.

PLC, peripheral devices and barcode scanner are 3rd party items.

* For detailed Gateway Module requirements, refer to manual 3A3469 or contact your Graco distributor.

Unlimited Flexibility in Recipe Set-up

In addition to the 50 pre-configured recipes, ProDispense offers unlimited flexibility with Dynamic Recipe (#99). Here's how it works:

- A barcode reader scans information and communicates it to a programmable logic controller (PLC).

- The PLC goes to a remote server database, finds the proper recipe (specific fluids and volumes, as well as the sequence and time interval between dispenses), and loads it to ProDispense as Dynamic Recipe (#99).

- ProDispense delivers the correct fluid and volume.

For complex applications where the dispense volume and fluid ratios change frequently, you can edit Dynamic Recipe (#99) on your PLC or mobile device.

Ordering Information

Build Your Own System

① Select a Module

Part Number	Description
26A070	System Control Module Assembly (including 1 Advanced Display Module (ADM), 1 Fluid Control Module [26A134] which controls 2 fluid panels)
26A134	Fluid Control Module (FCM) expands base system by 2 fluid panels. Up to 3 modules can be added to each base system. Additional FCM needed only if more than 2 fluid panels need to be controlled

② Select a Fluid Panel*

Part Number	26A129	26A131	26A130	26A132	26A165	26A247	26A071
Meter Name	Oil Meter	Grease/Paint Meter (G3000 Meter)	Water Meter	Helical Meter	Solvent (S3000 Meter)	Coriolis Meter	No Meter
Application	Oil / Lubricant	Grease / Paint	Water / Antifreeze	High viscosity	Solvent	Sheer sensitive	End user provides pulse meter. See manual 3A3469 for operating parameters.
Fluid Type	10 wt oil to #2 grease	Wide viscosity, high accuracy	Light viscosity, average resolution	Wide viscosity, high accuracy	Light viscosity, high accuracy	Wide viscosity, high accuracy	
Flow Rate Range	0.25 - 4 gpm (0.95 - 15.2 lpm)	0.02 - 1 gpm (0.076 - 3.8 lpm)	0.25 - 4 gpm (0.95 - 15.2 lpm)	0.04 - 6 gpm (0.15 - 22.7 lpm)	0.013 - 0.317 gpm (0.05 -1.2 lpm)	0.005-1.6 gpm (0.019 - 6.06 lpm)	
Viscosity	4.1 - 2000 cps	20 - 3000 cps	1 - 20 cps	30 - 1,000,000 cps	20 - 500 cps	20 - 5000 cps	
Accuracy	±1% on dispenses over 500 cc	±1% on dispenses over 12 cc	±1% on dispenses over 2500 cc	±1% on dispenses over 27 cc	±1% on dispenses over 3 cc	±1% on dispenses over 7 cc	
Resolution	4.73 cc/pulse	0.119 cc/pulse	25 cc/pulse	0.273 cc/pulse	0.020 cc/pulse	0.062 cc/pulse	
Working Pressure	1500 psi (103 bar)	3000 psi (207 bar)	250 psi (17 bar)	3000 psi (207 bar)	3000 psi (207 bar)	2300 psi (158 bar)	3000 psi (207 bar)
Porting Sizes	Inlet: 1/2" npt(f) Outlet: 1/2" npt(f)	Inlet: 1/4" npt(f) Outlet: 3/8" npt(f) Air Inlet: 1/4" npt(f)	Inlet: 1/2" npt(f) Outlet: 1/2" npt(f)	Inlet: 1/4" npt(f) Outlet: 3/8" npt(f) Air Inlet: 1/4" npt(f)	Inlet: 1/4" npt(f) Outlet: 3/8" npt(f) Air Inlet: 1/4" npt(f)	Inlet: 1/4" npt(f) Outlet: 3/8" npt(f) Air Inlet: 1/4" npt(f)	Outlet: 3/8" npt(f) Air Inlet: 1/4" npt(f)
Manual	3A3469	3A3469	3A3469	3A3469	3A3469	3A3469	3A3469

System can be configured for 8 fluid panels

③ Select Accessories (System Set up)

Part Number	Description
26A133	Remote Operator Station (Remote Start/Stop) Includes 50 ft (15 m) cable
26C266	Wireless Start/Stop Module (including Transceivers, Connecting Cables, Start/Stop Switch, Cable Adapter and Splitter)
25E765	Hazardous Location I.S. power barrier kit - single barrier for the meter only
25B223	Hazardous Location I.S. power barrier kit - two barriers, for meter and solenoid, plus an intrinsically safe solenoid valve
26A243	Upgrade Junction Box Kit Upgrades legacy ProDispense panel to new controller
255468	Light Tower
26A369	Gateway Token Kit

Part Number	Gateway Kits
24W462	ModbusTCP (no Gateway Token Kit needed)
CGMDN0	DeviceNet®*
CGMEP0	EtherNetIP®*
CGMPN0	PROFINET®*

requires Gateway Token Kit 26A369

For more details, go to www.graco.com/prodispense

GRACO

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.

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Graco Inc. is registered to I.S. EN ISO 9001

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