



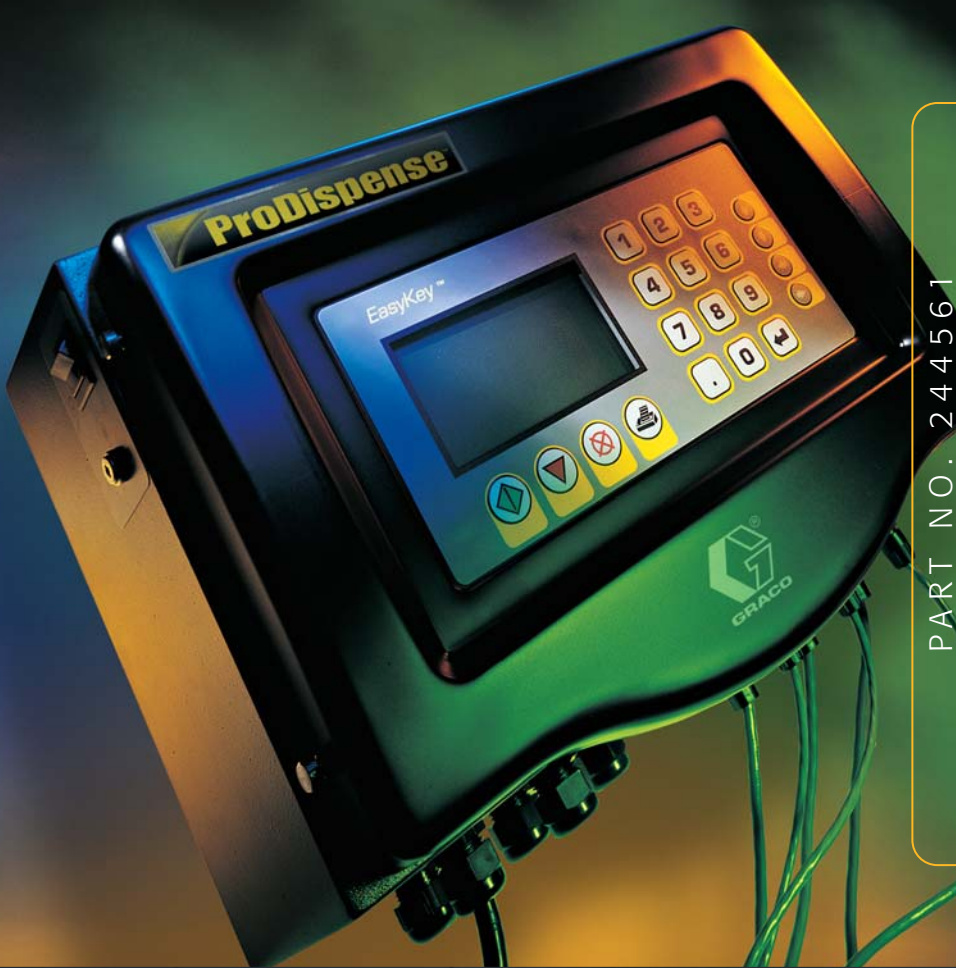
PRODISPENSE™

Accurately and quickly dispenses preset amounts of oil, grease and water



FINISHING

Fast and Accurate Dispensing



PART NO. 244561

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 or water in assembly line environments where accurate dispensing is essential. ProDispense can deliver up to three different fluids at multiple dispense points, and accurately measure flow.

- 250 Recipes
- Reporting capability tracks volume and usage
- Return on investment assures that ProDispense quickly pays for itself
- EasyKey™ pad provides simple operation and data entry
- Manual or automatic dispense
- User-friendly FloSync™ Controller menu navigation

Key Applications

Construction Equipment
Farm Equipment
Lawn and Garden
Furniture Manufacturing
Engine Manufacturing: Truck & Bus,
Motorcycle, Lift Truck/Forklifts

Compatible Fluids

Radiator Fluid	Power Steering Fluid
Crankcase Oil	Brake Fluid
Grease	Transmission Fluid
Inks	Windshield Wash
Lacquers	Hydraulic Fluids



ProDispense System Components

Easy Installation

Installation is easy and integrates seamlessly with other Graco pumps.

FloSync™ Controller

Provides user-friendly menu navigation and data input.

EasyKey™ pad

Large keys and universal icons allows for easy data entry.

Remote Operator Station

Stop

Start

Manual/
Automatic
Dispense

50 extra feet of cable allows the controller to be in a room separate from the fluid panels

OIL

Flow rate .25-4 gpm (.95-15 lpm)
 Viscosity range 10 wt oil - #2 grease
 Accuracy ± 1/2 % on dispenses over one gallon

Resolution 4.73 cc/pulse
 Working pressure 1500 psi
 Porting sizes
 Inlet 1/2" npt(f)
 Outlet 1/2" npt(f)

GREASE

Flow rate .2-1 gpm (.76-3.8 lpm)
 Viscosity range 20 - 5000 cps
 Accuracy ± 3% on dispenses over 12 cc

Resolution .119 cc/pulse
 Working pressure 3000 psi
 Porting sizes
 Inlet 1/4" npt(f)
 Outlet 3/8" npt(m)
 Air inlet 1/4" npt (f)

WATER, ANTIFREEZE

Flow rate .25-4 gpm (.95-15 lpm)
 Viscosity range 1 - 20 cps
 Accuracy ± 3% on dispenses over one gallon

Resolution 25 cc/pulse
 Working pressure 250 psi
 Porting sizes (inlet) 1/2" npt(m)
 (outlet) 1/2" npt(m)

Set up and operate the system in four easy steps!

Easy Recipe Set-up

1

EasyKey™

RECIPE 1 SETUP			
Target Amount	Fluid1	Fluid2	Fluid3
	001.50	003.75	025.00
	Gal	Qt	oz

Type in 0 for target amount if fluid is not used for this recipe.

System Fluids **Recipes** Meters

Easy Fluid Set-up

2

EasyKey™

FLUID SETUP			
	Fluid1	Fluid2	Fluid3
Units of Measure:			
1=cc 2=oz 3=Qt	1	2	3
4=Ltr 5=Gal			
Tolerance (%)	4	5	3
Timeout Value (min)	10	20	10
K-factor (cc/pulse)	04.730	00.119	25.000

System **Fluids** Recipes Meters

Monitor Dispenses

3

EasyKey™

FLUID DISPENSE				ID# 1234
	Fluid 1	Fluid 2	Fluid 3	
	Idle	Disp'ng	Idle	
Target	001.50 gal	003.75 qt	025.00 oz	
Actual	001.50 gal	003.75 qt	025.00 oz	
Tolerance %	4	5	3	
Deviation %	0	0	0	

Run Totals Alarms

Dispense Total Summary

4

EasyKey™

Fluid Totals		
Fluid #	Resettable	Grand
1	000100.0 gal	001000.0 gal
2	002000.0 gal	020000.0 gal
3	030000.0 gal	300000.0 gal

Last Reset
Date: 27/03/01
Time: 15:20

Press ENTER and CLEAR to reset totals.

Run **Totals** Alarms

1 Easy Recipe Set-up

- Delivers up to three different fluids at multiple dispense points simultaneously
- Dispense quantities as low as 1 oz (30 cc)
- 250 different recipes to choose from

2 Easy Fluid Set-up

- Recipe set-up options are available in standard or metric units
- Multiple panel options provide the ability to dispense virtually any material

3 Monitor Dispenses

Accurately measure and select dispense quantities three ways:

- Manual
- Preset recipe
- Bar code system

4 Dispense Total Summary

- On screen reporting or printed reports are available to track daily usages

ProDispense pays for itself!

Return-on-Investment

Use this exclusive return-on-investment analysis tool to see exactly how much your manufacturing process currently costs you, where there is waste, and best of all, how quickly a Graco ProDispense pays for itself.

	Manual Fill Typical Scenario	ProDispense Typical Scenario	Manual Fill Calculator	ProDispense Calculator
Tank Capacity	4 gal	4 gal		
Time to Fill Tank	10 min X	1 min X		
Worker Compensation	\$50/hr or 85¢/min X	\$50/hr or 85¢/min X		
Cycles Per Day	10 =	10 =		
Total Labor Cost	\$85 X	\$8.50 X		
Working Days Per Year	250 =	250 =		
Annual Cost	\$21,250	\$2,125		
-		-		
=		=		
Typical Savings with ProDispense: \$19,125		Your Savings with ProDispense: \$		

Additional Benefits

- Improved quality as a result of increased dispense accuracy.
- Less rework and warranty claims.

Ordering Information

244561 ProDispense FloSync™ Controller
 Choose one to three fluid panels.
 Order feed equipment separately.

Standard Fluid Panels

244599 Oil Fluid Panel
244600 Water Fluid Panel
244601 Grease Fluid Panel

Special Fluid Panels

246839 Helical Meter Panel
 For high viscosity materials

246837 G3000HR Meter Panel
 For small dispenses

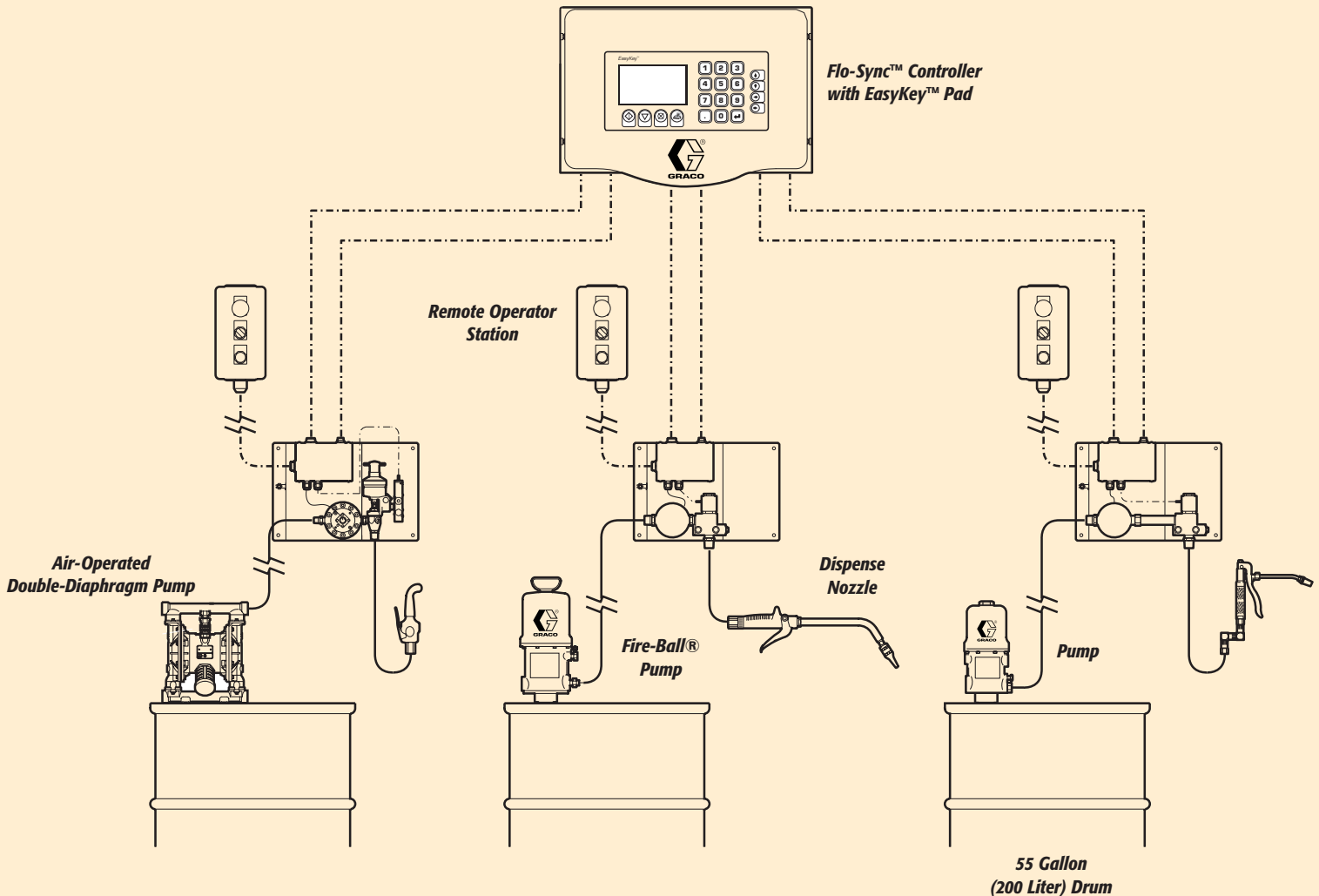
246838 No Meter
 For unique applications where special fluid monitoring is required. Meter must be ordered separately.

Accessories

239873 Printer Kit
 Includes 113774 printer and 25 ft. (7.6 m) 192491 power cable

514037 Printer Paper

ProDispense Typical Installation



Note: Feed pumps and dispense assemblies provided by distributors.

Technical Specifications

Power Requirements

Electrical 85-265 VAC .25 amp maximum
50 or 60 Hz

Materials

Number of fluids 1-3 fluids

Totalizers

Last dispense All 3 materials
Resettable All 3 materials
Grand All 3 materials

Recipes

Quantity 250

Dimensions (controller only)

Weight 12.5 lb. (5.67 kg)
Height 12 in. (30.5 cm)
Width 22.2 in. (56.4 cm)
Depth 10 in. (25.4 cm)
Display size 2.40 in. (6.1 m) x 4.40 in. (11.1 m), 128 x 240 pixels

Fluid Stations

Cable lengths (for all fluid panels)

Meter signal 50 ft. (15.24 m)
Solenoid signal 50 ft. (15.24 m)
Remote operator station 10 ft. (3.05 m)

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Approvals

ETLul
ETLc
CE