



# Well Services

Dependability When and Where You Need it



PROVEN QUALITY. LEADING TECHNOLOGY.

# Well Service



## Bottom-line Benefits:

### Consistent Performance

Continually monitored on-site lubrication regardless of length of operational schedules—24 hours a day, 7 days a week, Graco can lube it.

### Equipment Cost-Savings

Protect your equipment from contamination, over or under lubrication and mechanical failure caused by improper lubrication.

### Predictable Maintenance

Allows longer time between scheduled maintenance to keep your equipment working on the site.



## Peace of Mind for Your Bottom-Line

Graco automatic lubrication systems deliver benefit-driven solutions that save you time and money. Perfect for challenging, hazardous and harsh operating conditions of well services. Whether you need electric, hydraulic or pneumatic powered solutions, we've got you covered with multiple levels of control and monitoring.

### 1 G3™ Pump and Control

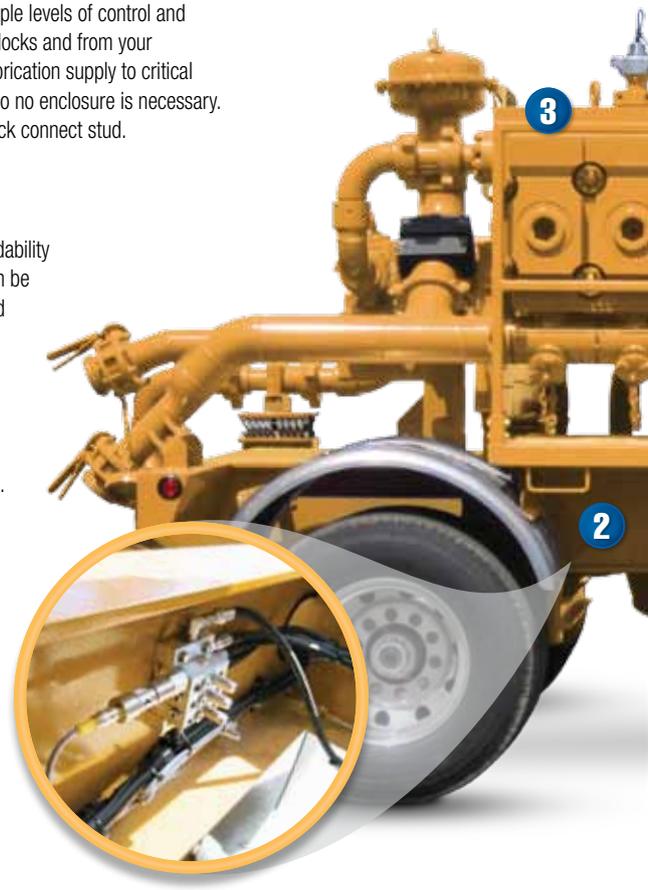
An advanced pump design offers multiple levels of control and monitoring. Use feedback from MHH blocks and from your equipment to tailor and monitor the lubrication supply to critical components. Pumps are IP69K rated so no enclosure is necessary. Refilling is clean and easy with the quick connect stud.

### 2 MHH Series Progressive Lubrication Blocks

Offers time-tested, field proven dependability in the harshest environments. Flow can be monitored using a proximity switch and performance indicators so problems can be pinpointed

### 3 Double Ball Check Valve

Ensures lubrication goes into the lube point and doesn't get pushed back out. Stops any fluid back pressure from damaging the lubrication system.



## Graco Helps Protect:

### Triplex and Quintuplex Fracturing Pumps

Graco provides high pressure lubrication solutions that control and monitor automatic lubrication and let's you know if there is a problem.

### Wireline Trucks

Keep your "Slickline" slick by automatically lubricating the bearings on your spools and measuring head. Whether big or small rigs, we have you covered with the necessary pressures and volumes. Unexpected failures are reduced by providing the right amount of lubricant at the right time.

### Coil Tubing Trucks

Make manual lubrication of the Coiled Tube Injector a thing of the past. Lubricate during the tube injection process to keep skate rollers from seizing up. The optimal time to lubricate is while your equipment is working to push out contaminants and reduce component wear. Monitor and control right from the cab for precise lubrication of your equipment.

# Lubrication Solutions

*Because not all well sites require the same equipment, Graco offers multiple solutions to keep your equipment working.*



## Acidizers and Cement Pumps

Similar to the Fracturing Pumps these units operate under high pressure and pump critical material into the well bore. Pump dependability is essential. By continually lubricating the pump piston seals while in operation, pump dependability and working life will reach new highs.

## Blenders

The augers on a blender unit have a tough job mixing sand, particulates and other proppants on a continual basis. Longer auger bearing life will be achieved by continually lubricating the top and bottom critical auger bearings while in operation. The continual lube pressure will flush out contaminants and moisture that can be damaging to these bearings.

## Take Control of How You Monitor

You choose the level of control you require—Standard, PRO or MAX. Plus Graco offers our proprietary Data Management System™ (DMS) as an option on MAX control models. You gain a distinct advantage from information that offers accurate time-stamped operation, fault data, and downloadable on/off time programming. Preferred lube cycle program can be stored and transferred to other G3 pumps in your fleet for quick and accurate repeatability.

### Standard G3

Turn the pump on or off and can provide a low level warning signal all through your on-board PLC.



### Pro G3

Simple ON/OFF time control with low-level sensing and manual run operation.

### Max G3

Full control that monitors lube flow via cycle counts and time. Monitors machine counts to match lube flow to machine use. And monitors low fluid level. Manual run and DMS are high value options.



*Pre-calculated lube rates and programming routines are available upon request for most applications.*



## ABOUT GRACO

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

### MAILING ADDRESS

P.O. Box 1441  
Minneapolis, MN 55440-1441  
Tel: 612-623-6000  
Fax: 612-623-6777

### AMERICAS

#### MINNESOTA

Worldwide Headquarters  
Graco Inc.  
88-11th Avenue N.E.  
Minneapolis, MN 55413

### EUROPE

#### BELGIUM

European Headquarters  
Graco BVBA  
Industrieterrein-Oude Bunders  
Slakweidestraat 31  
3630 Maasmechelen,  
Belgium  
Tel: 32 89 770 700  
Fax: 32 89 770 777

### ASIA PACIFIC

#### AUSTRALIA

Graco Australia Pty Ltd.  
Suite 17, 2 Enterprise Drive  
Bundoora, Victoria 3083  
Australia  
Tel: 61 3 9468 8500  
Fax: 61 3 9468 8599

#### CHINA

Graco Hong Kong Ltd.  
Shanghai Representative Office  
Building 7  
1029 Zhongshan Road South  
Huangpu District  
Shanghai 200011  
The People's Republic of China  
Tel: 86 21 649 50088  
Fax: 86 21 649 50077

### INDIA

Graco Hong Kong Ltd.  
India Liaison Office  
Room 432, Augusta Point  
Regus Business Centre 53  
Golf Course Road  
Gurgaon, Haryana  
India 122001  
Tel: 91 124 435 4208  
Fax: 91 124 435 4001

#### JAPAN

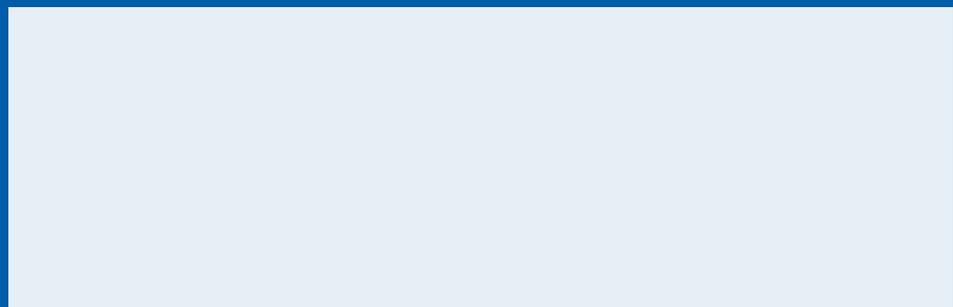
Graco K.K.  
1-27-12 Hayabuchi  
Tsuzuki-ku  
Yokohama City, Japan 2240025  
Tel: 81 45 593 7300  
Fax: 81 45 593 7301

#### KOREA

Graco Korea Inc.  
Shinhan Bank Building  
4th Floor #1599  
Gwanyang-Dong, Dongan-Ku,  
Anyang-si, Korea 431-060  
Tel: 82 31 476 9400  
Fax: 82 31 476 9801

All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Graco is certified ISO 9001.



Europe  
+32 89 770 700  
FAX +32 89 770 777  
WWW.GRACO.COM