

DEF Dispensing Systems

Solutions for Clean Diesel Exhaust Fluid Dispense



PROVEN QUALITY. LEADING TECHNOLOGY.

More Value

Lubricating Equipment Since 1926

Dedicated to providing you with the most reliable and cost-effective lubrication equipment in the market, Graco offers a complete line of pumps, dispense valves, hose reels, fluid management and reclaim systems for the service and industrial markets.

Our knowledgeable worldwide distribution network provides easy access to professionals who understand the unique needs of your business and are able to recommend the equipment that best fits your application.

We are expanding our product offering with Graco Blue; designed with durable, high-quality materials to help you manage your Diesel Exhaust Fluid (DEF) and reduce vehicle emissions.

Industry Leading Warranty, Service, and Support

We stand behind our products with competitive warranties on everything we manufacture. Our comprehensive warranty program includes labor and travel. We have dedicated customer service and technical assistance support available to help you grow your business with Graco.

Typical Applications:

- Dealerships
- Fleet maintenance
- Public works garages
- Construction vehicle maintenance
- Agricultural service
- Heavy equipment service trucks



Less Hassle

Whether a small garage, large dealership, or heavy equipment maintenance facility, Graco has a complete line of Diesel Exhaust Fluid (DEF) products for every application. Our electric, pneumatic, or manual products are engineered specifically for the advanced needs of DEF fluid and are designed to minimize downtime and dispense materials quickly without compromising chemical integrity.

Flexible Installation – Solutions for Every Application

Choose from configured packages or build a custom DEF system specific for your application with individual pumps and components. From the economical hand pumps to the high-performance electric or Air-Operated Double Diaphragm (AODD) packages, Graco has you covered. Every solution is designed with the highest-quality components for trouble-free operation.

Tote Mount



Drum Mount



Wall Mount



How to Choose Your Graco DEF Solution:

1 Identify your power supply

Choose the pump that's right for your application. Choose the lightweight and reliable manual hand pump for small applications. The LD Blue electric pumps are recommended for applications up to 50 ft, or upgrade to the SD Blue AODD pump for longer applications, up to 200 ft.



2 Determine your container size*

Whether dispensing from a drum or a tote container, Graco has the package that fits your needs. Fifty-five gallon drums are ideal for one or two truck operations and for larger fleets, choose 275 or 330 gallon IBC totes.

*Tote and Drum not for sale from Graco

3 Choose your accessories

Graco offers a full-line of high-quality DEF accessories to complement your installation. Select from automatic or manual dispense nozzles, closed-system couplers, in-line meters, hose reels, mounting brackets, fittings, and dispense and suction hoses.



Graco LD Blue

Long-lasting efficiency in a compact, high-performance electric pump package

Reduced Maintenance

Features a self-priming membrane pump, which has no need for a dynamic seal.

Stay Up and Running Longer

Reduce downtime and get more work done with the LD Blue systems—up to twice the life of competitive pumps.

Built-In Safety and Reliability

Automatic shut off timer (6.5 min) incorporated into the 120V pump. Prevents the pump from running past the duty cycle and maximizes the life of the pump.

Pump Technical Specifications	120V	12V
	cULus Approved	
Maximum Flow Rate	9 gpm	9.5 gpm
Maximum Fluid Pressure	50 psi	50 psi
RPM	1750	2600
Watts	500	260
Voltage	120V / 60hz	12V
Maximum Amperage	4.5A	22A
Duty Cycle	20 min ON/OFF	20 min ON/OFF



Everything You Need to Get Up and Running Fast!

		120V Electric Pump Packages			12V Electric Pump Packages
		Tote		Drum	Tote
		Meter and Auto Nozzle	Auto Nozzle	Auto Nozzle	Meter and Auto Nozzle
		24V641	24V645	24V656	24V646
Pumps	120V electric pump (127642)	•	•	•	
	12V electric pump (127643)				•
Mounting	Stainless steel bracket with nozzle holder	•	•	•	•
Accessories	LD automatic nozzle with SST spout (127649)	•	•	•	•
	LD manual nozzle with SST spout (125078)			•	
	LD DEF meter (127663) and 1" elbow fitting (127656)	•			•
Hoses/Fittings	20' dispense hose with (2) SST clamps (24W161)	•	•	•	•
	5' suction hose with (2) SST clamps (24W149)	•	•	•	•
	2' suction hose with (2) SST clamps (24W148)			•	

Graco SD Blue

Efficient, money-saving pneumatic operation

Versatility

The Husky 515 pump delivers up to 15 gpm and works on as little as 30 psi.

Increase productivity

Powerful design has superior suction and lift for deep tanks, totes, and longer lines. Recommended for applications with runs up to 200 ft.

Premium offering for high-end applications

Deluxe packages feature premium oil resistant hoses with crimped stainless steel fittings—eliminates leaking at joints and prevents crystallization.

24V677
(Tote and coupler
not included)



24V686
(Drum not included)



24G745



Pump Technical Specifications

Husky 515 A0DD

Maximum Flow Rate	15 gpm
Maximum Fluid Pressure	50 psi
Air Operating Range	30-50 psi
Air Inlet	1/4" NPT(f)
Pump Inlet	1/2" BSPP(f) and 3/4" BSPP(f)
Hose Inlet	3/4" BSPP(f)
Pump Outlet	1/2" BSPP(f) and 3/4" BSPP(f)
Maximum Air Consumption	28 scfm

		Air Package - Tote				Air Package - Drum			
		DELUXE PACKAGES		STANDARD PACKAGES		DELUXE PACKAGES		STANDARD PACKAGES	
		24F531	24F878	24V677	24V678	24F947	24M499	24V679	24V686
Pump	Air operated diaphragm pump (24G745)	•	•	•	•	•	•	•	•
Mounting	SD tote/wall mounting bracket with nozzle holder	•	•	•	•				
	SD drum mounting bracket with nozzle holder					•	•	•	•
Accessories	SD automatic shut off valve with SST spout and swivel (24F529)	•	•				•		
	LD automatic nozzle with SST spout (127649)			•	•				•
	LD manual nozzle (125078)					•		•	
	SD DEF meter package for auto nozzle (24H293)	•					•		
	LD DEF meter (127663)			•					•
Hoses/Fittings	20' dispense hose, 3/4" BSPP(mbe) (124603)	•	•						
	20' dispense hose with (2) SST clamps (24W161)			•	•				
	12' dispense hose, 3/4" BSPP(m) x cut end (125079)					•			
	12' dispense hose, 3/4" BSPP(m) (124671)						•		
	12' dispense hose with (2) SST clamps (24W154)							•	•
	6' suction hose, 3/4" BSPP(m) (124581)	•	•						
	5' suction hose with (2) SST clamps (24W149)			•	•				
	2' suction hose, 3/4" BSPP(m) x cut (124875)					•	•		
	2' suction hose with (2) SST clamps (24W148)							•	•
Air Control	Air regulator and gauge, 1/4" NPT (110147)	•	•			•	•		
	Air shut-off ball valve, vented (110223)	•	•			•	•		
	50 psi air safety valve (116306)			•	•			•	•
	50 psi air safety valve (124963)	•	•			•	•		
Coupler	Colder Quick Connect kit (24F532)	•	•			•	•		

Pumps

LD Blue Electric Pumps

A reliable, industrial pump with self-priming capabilities

- Maximum flow rate of 9 gpm (120V) or 9.5 gpm (12V)
- 120V or 12V electric pump
- 120V pump includes auto shut-off timer



127642

127642	120V AC electric pump, 3/4" barbed hose tail
127643	12V DC electric pump, 3/4" barbed hose tail
127646	Handle for 12V DC pump, black

LD Blue Manual Pumps

Lightweight, reliable and cost-effective solution for dispensing DEF from 55 gallon drums

- Quick drum installation and change out with integrated two inch bung adapter
- Fast delivery capable of 11 oz per stroke
- Adjustable telescoping down tube



24G636

127647	DEF hand pump with drum-length adjustable down tube (125479)
24G636	DEF hand pump (127647), 6' dispense hose with ball valve (125478), drum length adjustable down tube (125479)
127875	DEF hand pump (127647), 6' dispense hose with ball valve (24W190), drum length adjustable down tube (125479), LD manual nozzle (125078)
125479	Drum length adjustable down tube for hand pump
125478	6' dispense hose with ball valve

SD Blue AODD Pumps

Superior-performing AODD pump capable of higher output over longer runs.

- Maximum flow rate of 15 gpm
- Rugged construction resists corrosion for reliable performance and long life
- Easy-to-service air valve and ball checks



24G745

24G745	Air-operated diaphragm pump (15 gpm) free-flow, polypropylene, 3/4" BSPP(f)
--------	---

Accessories

LD Blue Meter

- Easy to install – use in-line or at the end of the dispense hose
- Impulse signals – single channel, or reed switch
- 1.3 - 26.4 gpm flow rate
- 145 psi maximum pressure
- 1" BSPP(m) inlet and outlet. Includes 1" BSPP(f) coupler.



127663	LD digital in-line turbine meter. LCD display
127800	Adapter – SD auto nozzle connection to LD meter

SDI15 In-Line Meter

- Tracks totals in two modes – reset for periodic history and non-reset for meter life
- Durable design for rugged, indoor use
- Easy to use – dispenses pints, quarts, liters or gallons
- 0.1- 14 gpm flow rate
- 1500 psi maximum pressure, 1/2" NPT inlet



24G738	SDI15 DEF meter, 1/2" BSPP(f/f), 1500 psi, .01 to 14 gpm
24H293	SDI15 Meter kit with fittings for SST auto nozzle

LD Blue Automatic Nozzles

- Break-Away System for low-cost repairs if the spout becomes detached
- Choose with or without built-in meter
- 4 -12 gpm flow rate
- 50 psi maximum pressure
- 3/4" BSPP inlet



127649	LD automatic nozzle with stainless steel breakaway spout
127650	LD automatic nozzle with built-in electronic turbine meter, with stainless steel breakaway spout
127651	Spout replacement kit for LD nozzles 127649 and 127650
127652	Magnetic mis-fill spout kit for LD automatic nozzles
127654	Magnetic adapter for mis-fill kit

LD Blue Manual Nozzle



125078	LD manual DEF nozzle with SST spout
--------	-------------------------------------

SD Blue Nozzles

- Heavy duty design
- Automatic shut-off valve with stainless steel nozzle
- 11 gpm flow rate
- 50 psi maximum pressure
- 3/4" BSPP inlet



124398	SD automatic shut-off SST nozzle without swivel, 3/4" BSPP(f)
24F529	SD automatic shut-off SST nozzle with swivel, 3/4" BSPP(f)
127655	SD automatic shut-off SST nozzle, 3/4" hose barb

Mounting Brackets



24F870	AODD tote/wall mounting bracket with nozzle holder
24F679	AODD drum mounting bracket with nozzle holder
124541	AODD nozzle bath holder

XD 30 DEF Hose Reels

- For use with SD and LD pumps (LD pump with manual nozzle only)
- Stainless steel fluid section with open porting ensures high fluid flow with minimal pressure loss
- Flexible positioning of guide arm for mounting on bench, ceiling, wall, tote, or utility truck
- 50 psi maximum pressure
- 3/4" x 50' inlet hose with 3/4" BSPP(m) swivel connection to provide leak-free connection



HSDD5A	XD 30 DEF hose reel, 3/4" x 50', white
HSDD5B	XD 30 DEF hose reel, 3/4" x 50', blue
HSDD5F	XD 30 DEF hose reel, 3/4" x 50', yellow
HSDDDA	XD 30 DEF hose reel, bare, white
HSDDDB	XD 30 DEF hose reel, bare, blue
HSDDDF	XD 30 DEF hose reel, bare, yellow

Hose Reel Inlet Kits

24W250	2' DEF inlet hose kit for XD 30 reels. 3/4" BSPP(f) x cut end and 90° elbow.
24W251	6' DEF inlet hose kit for XD 30 reels. 3/4" BSPP(f) x cut end and 90° elbow.
124875	2' DEF hose, 3/4" BSPP(m) x cut end (inlet hose)
124581	6' DEF hose, 3/4" BSPP(m) x cut end (inlet hose)

Closed-System Couplers

Dispense and Suction Hoses



Standard	24W148	2' suction hose kit with (2) hose clamps
	24W149	5' suction hose kit with (2) hose clamps
	24W190	6' dispense hose kit with (2) hose clamps
	24W154	12' dispense hose kit with (2) hose clamps
	24W161	20' dispense hose kit with (2) hose clamps
Deluxe	124875	2' suction hose, 3/4" BSPP(m) x cut end (inlet hose)
	124581	6' suction hose, 3/4" BSPP(m) x cut end (inlet hose)
	124671	12' dispense hose, 3/4" BSPP x 3/4" BSPP
	125079	12' dispense hose, 3/4" BSPP x cut end
	124603	20' dispense hose, 3/4" BSPP x 3/4" BSPP
	125074	20' dispense hose, 3/4" BSPP x cut end
	125242	50' dispense hose, 3/4" BSPP x 3/4" BSPP

Fittings

127656	1" BSP(f) elbow fitting, black	
127657	1" BSP(f) x 3/4" barb hose tail, black	
127720	1" BSP(f) x 1" BSP(f) linear socket, black	
127804	3/4" x 1" BSPP(f) swivel fitting with seals	
127805	1" BSPP(f) x 1" BSPP(f) coupler	
127806	1" BSPP(m/f) swivel, white	
127815	3/4" BSP x 3/4" barb SST swivel hose tail	
127823	1" BSP x 3/4" barb elbow, white	
116306	50 psi air safety valve for Standard AODD pump packages	
124963	50 psi air safety valve for Deluxe AODD pump packages	
24F524	3/4" BSPP(m) x 3/4" BSPP(f) SST swivel	

Maintaining fluid purity is essential to the longevity of your equipment and maintaining Selective Catalytic Reduction (SCR) engines. With a closed system design you can minimize fluid contamination and prevent spills. Choose from a variety of industry accepted closed system inlet kits to best suits your needs.

Colder

DrumQuick® PRO Quick Connect Coupler System. Economical polypropylene assembly can withstand thousands of quick and fast connections.



24F532	Colder closed system coupler kit – includes drum coupler (124548), drum insert (124549), and down tube (124550)
124548	Colder closed system drum coupler
124549	Colder closed system drum insert
125014	Colder closed system drum insert with buttress thread
124550	Colder closed system 47" down tube

Micro Matic

Reusable Stainless Valve (RSV) is ideal for multi-use applications and is simple to integrate with drums, totes, and custom packages.



Economic Plastic Valve (EPV™) is designed for one way, single use applications. Engineered for use when operations require the container package to be used once, emptied, and recycled.



17C907	Micro Matic EPV dispense coupler, 3A orange, 3/4" barbed outlet, EPDM seals
127634	Micro Matic EPV container valve, 3A orange, 2.5" x 5 buttress, EPDM Seals
127793	Micro Matic EPV down tube for 55 gal drum
127794	Micro Matic EPV center down tube for 275 gal IBC tote
127635	Micro Matic EPV center down tube for 330 gal IBC tote
17C908	Micro Matic RSV dispense coupler, 3/4" barbed outlet, 4 pin, stainless steel
127637	Micro Matic RSV container valve, 2.5" x 5, 4 cam, stainless steel valve, EPDM seals
127795	Micro Matic RSV down tube for 55 gal drum
127796	Micro Matic RSV center down tube for 275 gal IBC tote
127639	Micro Matic RSV center down tube for 330 gal IBC tote
127640	Micro Matic RSV fill coupler, 1" NPT(m) inlet x 1/4" NPT(f) outlet, 4 pin, stainless steel

Packages Includes coupler, valve, and down tube

24W142	Micro Matic EPV suction package – coupler (17C907), container valve (127634), 55 gal down tube (127793)
24W141	Micro Matic EPV suction package – coupler (17C907), container valve (127634), 275 gal down tube (127794)
24W140	Micro Matic EPV suction package – coupler (17C907), container valve (127634), 330 gal down tube (127635)
24W145	Micro Matic RSV suction package – coupler (17C908), container valve (127637), 55 gal down tube (127795)
24W144	Micro Matic RSV suction package – coupler (17C908), container valve (127637), 275 gal down tube (127796)
24W143	Micro Matic RSV suction package – coupler (17C908), container valve (127637), 330 gal down tube (127639)

AMERICAS

MINNESOTA

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

MAILING ADDRESS

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

EUROPE

BELGIUM

Graco BVBA
Industrieterrein-Oude Bunders
Slakweidestraat 31
B-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

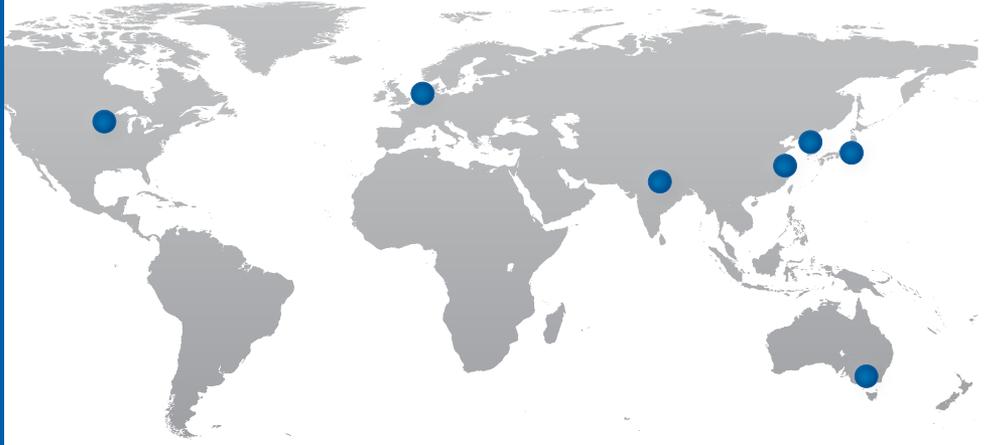
Graco Hong Kong Ltd.
India Liaison Office
Room 443, Level 4
Augusta Point, Golf Course Road
Gurgaon, Haryana, India 122001
Tel: 91 124 435 4208 Fax: 91 124 435 4001

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



Graco's got you covered

Facilities Worldwide for Global Support



Quality First

At Graco we pride ourselves on providing best-in-class products. Engineered solutions are manufactured in our own facilities, with the highest standards in the industry. We provide you with world-class customer support and expertise to help solve your lubrication challenges.



Global Reach

Graco has facilities across the globe to provide you with the products and service *you* need, where *you* live. Plus, Graco has dedicated field experts in all areas of the world to support the products we sell.



Product Capabilities

Graco has a broad range of products to provide solutions that meet your needs. Our products are engineered and tested to perform in the harshest environments so you can be certain your equipment is protected and working at peak performance.

Contact us today!

Call **800-533-9655** to speak with a Graco representative,
or visit **www.graco.com** for more information.

