



# Single Series

Single Point Lubricators



PROVEN QUALITY. LEADING TECHNOLOGY.

# Automatic Lubrication Made Simple

## Easy to use with minimal up-front investment

Graco's Electrochemical (gas) and Electromechanical (motor-driven) Single Series lubricators deliver small, predetermined amounts of lubricant at frequent intervals for an uninterrupted supply of fresh lubricant directly to your bearing or lubrication point. This prevents over and under lubrication problems associated with manual lubrication (grease gun) methods.



## EC—Electrochemical Single Series



### EC-120™

A durable and reliable general purpose lubricator that installs easily, in almost any position. Suitable for use in potentially explosive atmospheres in Europe. ATEX Approvals: CE Ex I M2 c X, CE Ex II 2G c IIC 80°C X, CE Ex II 2D c 80°C X.

#### Tech Specs

Housing Design.....Metal  
 Drive Type ..... Electrochemical (gas)  
 Discharge Time..... 1, 3, 6, or 12 months  
 Lubricant Volume ..... 120 cc  
 Operating Temp ..... 0 to 40 °C / 32 to 104 °F  
 Max Pressure ..... 4 bar / 58 psi



### EC-100™

Transparent plastic gives you at-a-glance indication of the lubricant level. Ideal for hygienically clean and food safe locations. Also great for high corrosion locations. Suitable for use in potentially explosive atmospheres in Europe. ATEX Approvals: CE Ex I M2 c X, CE Ex II 2G c IIC 80°C X, CE Ex II 2D c 80°C X.

#### Tech Specs

Housing Design.....Transparent Plastic  
 Drive Type ..... Electrochemical (gas)  
 Discharge Time..... 1, 3, 6, or 12 months  
 Lubricant Volume ..... 100 cc  
 Operating Temp ..... 0 to 40 °C / 32 to 104 °F  
 Max Pressure ..... 4 bar / 58 psi



### CT-120™

This fully automatic lubricator is built on the same durable and reliable platform as the EC-120, with the added benefit of operating in sub-freezing environments.

#### Tech Specs

Housing Design.....Metal  
 Drive Type ..... Electrochemical (gas)  
 Discharge Time..... 1 or 3 months  
 Lubricant Volume ..... 120 cc  
 Operating Temp ..... -25 to 10 °C / -13 to 50 °F  
 Max Pressure ..... 4 bar / 58 psi

## Grease Types Available

Lubricant	Application and Environment	Lubricant	Application and Environment
Multi-use lithium EP-2™ grease	<ul style="list-style-type: none"> <li>Agriculture, bushings/ball joints, truck and auto wheel bearings, heavy duty industrial</li> <li>High wear, moderate loads, moderate speeds, moderate temperatures</li> </ul>	Ball bearing and pillow-block grease	<ul style="list-style-type: none"> <li>Lightly loaded pillow blocks, idler pulleys, oven conveyors, electric motors, fans, pumps</li> <li>Wet and corrosive conditions, quiet environments, light loads, moderate to high speeds, moderate temperatures</li> </ul>
Construction and off-highway grease	<ul style="list-style-type: none"> <li>Agriculture/mining, cement plants, construction/off road, rock quarry, earth moving equipment, fleet equipment, heavy industry, pivot pins/spline shafts</li> <li>Extreme heat, heavy loads, high sliding wear, slow speeds, dirty environments, shock loading</li> </ul>	Mill grease	<ul style="list-style-type: none"> <li>Aluminum mills, paper mills, steel mills, offshore rigs, power generation</li> <li>Corrosive media, extreme heat, heavy loads, wet conditions, slow to moderate speeds</li> </ul>

Go to [www.graco.com](http://www.graco.com) for MSDS and more information on greases.

## Advantages with Graco Single Series

- Extend Equipment Life
- Reduce Operating Costs
- Increase Productivity
- Less Waste
- Safer Work Environment



## EM–Electromechanical Single Series



### EM-Drive™

Battery-powered, motor-drive delivers precise lubrication, regardless of temperature and vibration. Easy-to-read LED feedback indicators ensure trouble-free operation. Suitable for Class I, Div 2 groups A,B,C,D, Class II, Div 2 groups F,G, and Class III hazardous locations. UL Listed.

### Tech Specs

Housing Design.....Plastic w/transparent reservoir  
 Drive Type ..... Electromechanical (motor-driven)  
 Discharge Time..... 1, 3, 6, or 12 months  
 Lubricant Volume .....60, 120, or 250 cc  
 Operating Temp ..... -10 to 50 °C / 14 to 122 °F  
 Max Pressure .....5 bar / 75 psi



### EM-XP™

Delivers precise lubrication, regardless of temperature and vibration. External power turns on and off with the cycle of the machine it's lubricating—ideally suited for inconsistently used equipment.

### Tech Specs

Housing Design.....Plastic w/transparent reservoir  
 Drive Type ..... Electromechanical (motor-driven)  
 Discharge Time..... 1, 3, 6 or 12 months  
 Lubricant Volume .....60, 120, or 250 cc  
 Operating Temp ..... -10 to 50 °C / 14 to 122 °F  
 Max Pressure .....5 bar / 75 psi



### EM-XC™


Delivers precise lubrication, regardless of temperature and vibration. Precisely match lubrication output with your machine's operating conditions—works with your PLC to lubricate only when you need it.

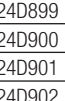


### Tech Specs

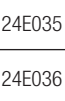

Housing Design.....Plastic w/transparent reservoir  
 Drive Type ..... Electromechanical (motor-driven)  
 Discharge amount.....0.26 to 2.11 cc per activation  
 Lubricant Volume .....60, 120, or 250 cc  
 Operating Temp ..... -10 to 50 °C / 14 to 122 °F  
 Max Pressure .....5 bar / 75 psi


Lubricant	Application and Environment	Lubricant	Application and Environment
Food grade H1™ grease	<ul style="list-style-type: none"> <li>• Food and beverage industries, pharmaceuticals</li> <li>• Incidental food contact, hot and cold temperatures, moderate to high speeds, medium loads</li> </ul>	Ultra-high speed spindle grease	<ul style="list-style-type: none"> <li>• Machine tools associated with: grinding, drilling, turning, milling, lathes</li> <li>• Ultra-high speeds, extreme low temperatures</li> </ul>
Synthetic industrial grease	<ul style="list-style-type: none"> <li>• Wind energy main bearing, pulp and paper machines, general heavy industry, marine applications, centralized grease systems</li> <li>• Extreme low and high temperatures, severe loads, corrosive media, slow to moderate speeds</li> </ul>	Multi-use lithium EP-1™ grease	<ul style="list-style-type: none"> <li>• General industrial applications, pins and bushings, track rollers, water pumps, plain and anti-friction bearings</li> <li>• Moderate speeds, light to moderate loads, moderate temperatures, moderate water</li> </ul>

# Order Today!

	Metal body construction, general purpose lubricator.
24D855	EC-120, 1 Mo., Lithium EP-2
24D856	EC-120, 1 Mo., Construction
24D857	EC-120, 1 Mo., Bearing
24D858	EC-120, 1 Mo., Milling
24D859	EC-120, 1 Mo., Food
24D860	EC-120, 1 Mo., Synthetic
24D861	EC-120, 1 Mo., Ultra
24D862	EC-120, 1 Mo., Lithium EP-1
24D863	EC-120, 3 Mo., Lithium EP-2
24D864	EC-120, 3 Mo., Construction
24D865	EC-120, 3 Mo., Bearing
24D866	EC-120, 3 Mo., Milling
24D867	EC-120, 3 Mo., Food
24D868	EC-120, 3 Mo., Synthetic
24D869	EC-120, 3 Mo., Ultra
24D870	EC-120, 3 Mo., Lithium EP-1
24D871	EC-120, 6 Mo., Lithium EP-2
24D872	EC-120, 6 Mo., Construction
24D873	EC-120, 6 Mo., Bearing
24D874	EC-120, 6 Mo., Milling
24D875	EC-120, 6 Mo., Food
24D876	EC-120, 6 Mo., Synthetic
24D877	EC-120, 6 Mo., Ultra
24D878	EC-120, 6 Mo., Lithium EP-1
24D879	EC-120, 12 Mo., Lithium EP-2
24D880	EC-120, 12 Mo., Construction
24D881	EC-120, 12 Mo., Bearing
24D882	EC-120, 12 Mo., Milling
24D883	EC-120, 12 Mo., Food
24D884	EC-120, 12 Mo., Synthetic
24D885	EC-120, 12 Mo., Ultra
24D886	EC-120, 12 Mo., Lithium EP-1
	Plastic body, designed for use in hygienically clean environments, high corrosion applications.
24D888	EC-100, 1 Mo., Lithium EP-2
24D889	EC-100, 1 Mo., Construction
24D890	EC-100, 1 Mo., Bearing
24D891	EC-100, 1 Mo., Milling
24D892	EC-100, 1 Mo., Food
24D893	EC-100, 1 Mo., Synthetic
24D894	EC-100, 1 Mo., Ultra
24D895	EC-100, 1 Mo., Lithium EP-1
24D896	EC-100, 3 Mo., Lithium EP-2
24D897	EC-100, 3 Mo., Construction
24D898	EC-100, 3 Mo., Bearing

	Metal body construction, designed for cold temperature applications.
24D899	EC-100, 3 Mo., Milling
24D900	EC-100, 3 Mo., Food
24D901	EC-100, 3 Mo., Synthetic
24D902	EC-100, 3 Mo., Ultra
24D903	EC-100, 3 Mo., Lithium EP-1
24D904	EC-100, 6 Mo., Lithium EP-2
24D905	EC-100, 6 Mo., Construction
24D906	EC-100, 6 Mo., Bearing
24D907	EC-100, 6 Mo., Milling
24D908	EC-100, 6 Mo., Food
24D909	EC-100, 6 Mo., Synthetic
24D910	EC-100, 6 Mo., Ultra
24D911	EC-100, 6 Mo., Lithium EP-1
24D912	EC-100, 12 Mo., Lithium EP-2
24D913	EC-100, 12 Mo., Construction
24D914	EC-100, 12 Mo., Bearing
24D915	EC-100, 12 Mo., Milling
24D916	EC-100, 12 Mo., Food
24D917	EC-100, 12 Mo., Synthetic
24D918	EC-100, 12 Mo., Ultra
24D919	EC-100, 12 Mo., Lithium EP-1
	Metal body construction, designed for cold temperature applications.
24D960	CT-120 1 Mo., Lithium EP-2
24D961	CT-120 1 Mo., Construction
24D962	CT-120 1 Mo., Bearing
24D963	CT-120 1 Mo., Milling
24D964	CT-120 1 Mo., Food
24D965	CT-120 1 Mo., Synthetic
24D966	CT-120 1 Mo., Ultra
24D967	CT-120 1 Mo., Lithium EP-1
24D968	CT-120 3 Mo., Lithium EP-2
24D969	CT-120 3 Mo., Construction
24D970	CT-120 3 Mo., Bearing
24D971	CT-120 3 Mo., Milling
24D972	CT-120 3 Mo., Food
24D973	CT-120 3 Mo., Synthetic
24D974	CT-120 3 Mo., Ultra
24D975	CT-120 3 Mo., Lithium EP-1
	Battery-powered design. UL listed suitable for Class I, Div. 2 groups A,B,C,D, Class II, Div. 2 groups F,G, and Class III hazardous locations.
24E028	EM-DRIVE, 60 cc, Lithium EP-2
24E029	EM-DRIVE, 60 cc, Construction
24E030	EM-DRIVE, 60 cc, Bearing
24E031	EM-DRIVE, 60 cc, Milling
24E032	EM-DRIVE, 60 cc, Food
24E033	EM-DRIVE, 60 cc, Synthetic
24E034	EM-DRIVE, 60 cc, Ultra

	Externally powered and controlled. Interfaces directly with your machine's controller.
24E035	EM-DRIVE, 60 cc, Lithium EP-1
24E036	EM-DRIVE, 120 cc, Lithium EP-2
24E037	EM-DRIVE, 120 cc, Construction
24E038	EM-DRIVE, 120 cc, Bearing
24E039	EM-DRIVE, 120 cc, Milling
24E040	EM-DRIVE, 120 cc, Food
24E041	EM-DRIVE, 120 cc, Synthetic
24E042	EM-DRIVE, 120 cc, Ultra
24E043	EM-DRIVE, 120 cc, Lithium EP-1
24E044	EM-DRIVE, 250 cc, Lithium EP-2
24E045	EM-DRIVE, 250 cc, Construction
24E046	EM-DRIVE, 250 cc, Bearing
24E047	EM-DRIVE, 250 cc, Milling
24E048	EM-DRIVE, 250 cc, Food
24E049	EM-DRIVE, 250 cc, Synthetic
24E050	EM-DRIVE, 250 cc, Ultra
24E051	EM-DRIVE, 250 cc, Lithium EP-1
	Externally powered—turns on and off with the on/off cycle of the machine
24E054	EM-XP, 60 cc, Lithium EP-2
24E055	EM-XP, 60 cc, Construction
24E056	EM-XP, 60 cc, Bearing
24E057	EM-XP, 60 cc, Milling
24E058	EM-XP, 60 cc, Food
24E059	EM-XP, 60 cc, Synthetic
24E060	EM-XP, 60 cc, Ultra
24E061	EM-XP, 60 cc, Lithium EP-1
24E062	EM-XP, 120 cc, Lithium EP-2
24E063	EM-XP, 120 cc, Construction
24E064	EM-XP, 120 cc, Bearing
24E065	EM-XP, 120 cc, Milling
24E066	EM-XP, 120 cc, Food
24E067	EM-XP, 120 cc, Synthetic
24E068	EM-XP, 120 cc, Ultra
24E069	EM-XP, 120 cc, Lithium EP-1
24E070	EM-XP, 250 cc, Lithium EP-2
24E071	EM-XP, 250 cc, Construction
24E072	EM-XP, 250 cc, Bearing
24E073	EM-XP, 250 cc, Milling
24E074	EM-XP, 250 cc, Food
24E075	EM-XP, 250 cc, Synthetic
24E076	EM-XP, 250 cc, Ultra
24E077	EM-XP, 250 cc, Lithium EP-1
<b>Check out Graco.com for a great selection of Single Series accessories!</b>	

	Externally powered and controlled. Interfaces directly with your machine's controller.
24E080	EM-XC, 60 cc, Lithium EP-2
24E081	EM-XC, 60 cc, Construction
24E082	EM-XC, 60 cc, Bearing
24E083	EM-XC, 60 cc, Milling
24E084	EM-XC, 60 cc, Food
24E085	EM-XC, 60 cc, Synthetic
24E086	EM-XC, 60 cc, Ultra
24E087	EM-XC, 60 cc, Lithium EP-1
24E088	EM-XC, 120 cc, Lithium EP-2
24E089	EM-XC, 120 cc, Construction
24E090	EM-XC, 120 cc, Bearing
24E091	EM-XC, 120 cc, Milling
24E092	EM-XC, 120 cc, Food
24E093	EM-XC, 120 cc, Synthetic
24E094	EM-XC, 120 cc, Ultra
24E095	EM-XC, 120 cc, Lithium EP-1
24E096	EM-XC, 250 cc, Lithium EP-2
24E097	EM-XC, 250 cc, Construction
24E098	EM-XC, 250 cc, Bearing
24E099	EM-XC, 250 cc, Milling
24E100	EM-XC, 250 cc, Food
24E101	EM-XC, 250 cc, Synthetic
24E102	EM-XC, 250 cc, Ultra
24E103	EM-XC, 250 cc, Lithium EP-1
24E582	Refill, 60 cc, Lithium EP-2
24E583	Refill, 60 cc, Construction
24E584	Refill, 60 cc, Bearing
24E585	Refill, 60 cc, Milling
24E586	Refill, 60 cc, Food
24E587	Refill, 60 cc, Synthetic
24E588	Refill, 60 cc, Ultra
24E589	Refill, 60 cc, Lithium EP-1
24E590	Refill, 120 cc, Lithium EP-2
24E591	Refill, 120 cc, Construction
24E592	Refill, 120 cc, Bearing
24E593	Refill, 120 cc, Milling
24E594	Refill, 120 cc, Food
24E595	Refill, 120 cc, Synthetic
24E596	Refill, 120 cc, Ultra
24E597	Refill, 120 cc, Lithium EP-1
24E598	Refill, 250 cc, Lithium EP-2
24E599	Refill, 250 cc, Construction
24E600	Refill, 250 cc, Bearing
24E601	Refill, 250 cc, Milling
24E602	Refill, 250 cc, Food
24E603	Refill, 250 cc, Synthetic
24E604	Refill, 250 cc, Ultra
24E605	Refill, 250 cc, Lithium EP-1

**Contact us today!**

To receive product information or to speak with a Graco representative, call 800-533-9655 or visit us online at [www.graco.com](http://www.graco.com).

