



# LUBRICATION AND PROCESS PRODUCT GUIDE

Mining & Industrial Applications

**AUSTRALIA & NEW ZEALAND**



**FLUID MANAGEMENT | PUMPS | METERS | REELS**

**PROVEN QUALITY. LEADING TECHNOLOGY**



# Table of Contents

## ▶ Oil Pumps

LD Series .....	3
Mini Fire-Ball 225.....	3
Fire-Ball 300.....	3
Fire-Ball 425 .....	3
NXT High-Flo Oil Pumps .....	4
NXT Dura-Flo Oil Pumps .....	4
Dyna-Star Hydraulic Oil Pumps.....	4
Power-Star Hydraulic Oil Pumps .....	4

## ▶ LD Oil - Grease Pump Packages

LD Oil - Grease Pump Packages .....	5
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## ▶ Grease Pumps

LD 50:1.....	7
Mini Fire-Ball 225 .....	7
Fire-Ball 300 .....	7
Fire-Ball 425 .....	7
GT 750.....	7
Dyna-Star Hydraulic Grease Pumps .....	8
Viscount II Hydraulic Grease Pumps .....	8
NXT Check-Mate Grease Pumps .....	8

## ▶ Oil Meters

EM Series Electronic Meters .....	10
LDP5 Electronic Preset Meters .....	10
SD Series Electronic Meters .....	10
IM20 In-Line Electronic Meter .....	10
SDV15 Control Valve .....	10
XDV20 Control Valve .....	10

## ▶ Hoses and Reels

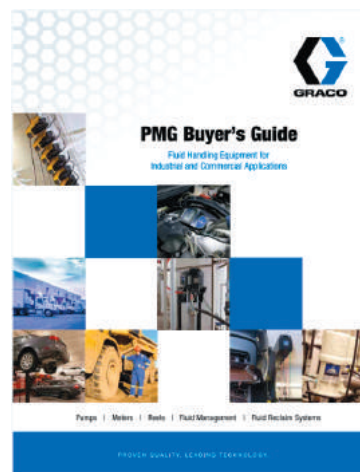
Hose Reels Overview .....	12
LD Series Hose Reels .....	13
SD Series Hose Reels .....	13
XD Series 10/20 Hose Reels .....	13
XD Series 30 Hose Reels .....	13
XD Series 40/50 Hose Reels .....	14
XD Series 60/70/80 Hose Reels .....	15
Powered Reels Ordering information .....	15

## ▶ Husky Pumps (Stocked)

Husky 205 AODD Pump .....	17
Husky 515 AODD Pump .....	17
Husky 716 AODD Pump .....	17
Husky 1050 AODD Pump .....	17
Husky 1590 AODD Pump .....	17
Husky 2150 AODD Pump .....	17
Husky 3300 AODD Pump .....	17

## ▶ Fluid Management Systems

Pulse FC .....	19
Pulse PRO.....	20



REFER TO THE PMG BUYER'S GUIDE  
(303245) FOR COMPLETE RANGE  
[https://www.graco.com/content/dam/graco/led/  
literature/catalogs/303245/303245EN-AH.pdf](https://www.graco.com/content/dam/graco/led/literature/catalogs/303245/303245EN-AH.pdf)

For more information on Graco products and manuals please visit [www.graco.com](http://www.graco.com) or contact Customer Service 03 9468 8500 - [cсаustralia@graco.com](mailto:cсаustralia@graco.com)



GRACO

  
**Fire-Ball 425**  
AIR-POWERED PUMP

# OIL PUMPS

 **GRACO**

# Oil Pump Selection Guide

Pump Family and Fluid Pressure Ratio	Simultaneous Dispense Points	Approx. Free Flow Rate @ 100 psi	Air Inlet	Fluid Outlet	Air Operation Range	Max FLuid PSI	Description	Part Number
<b>Fast-Ball, 1:1</b> 	1 (no reels)	19 lpm (5 gpm)	1/4 NPT(F)	3/4 NPT(F)	40-180 psi (2.7-12.5 bar)	180 psi	Pump Universal	222051 - NSA *307906
<b>LD, 3:1</b> 	1 to 2	30 lpm (7.8 gpm)	1/4 BSPT(F)	1/2 BSPT(F)	20-150 psi (1.37-10.3 bar)	450 psi	Pump Universal c/w bung adaptor Pump Multilength	24G578 - STK 24G581 - STK *3A1334
<b>LD, 5:1</b> 	1 to 2	25 lpm (6.7 gpm)	1/4 BSPT(F)	1/2 BSPT(F)	20-150 psi (1.37-10.3 bar)	750 psi	Pump Universal c/w bung adaptor Pump Multilength	24G590 - STK 24G593 - STK *3A1334
<b>Mini Fire-Ball 225, 3:1</b> 	1 to 2	32 lpm (8.3 gpm)	3/8 NPT(F)	1/2 NPT(F)	40-180 psi (2.8-12 bar)	540 psi	Pump Universal	248097 - STK *309868
<b>Fire-Ball 300, 5:1</b> 	1 to 3	46 lpm (12.1 gpm)	3/8 NPT(F)	1/2 NPT(F)	40-180 psi (2.8-12 bar)	900 psi	5:1 Universal oil pump 5:1 Oil pump, 120 lb 5:1 Oil pump, 400 lb 5:1 Oil pump, 400 lb	203876 - STK 203872 - NSA 204254 - STK 222087 - STK *306518
<b>Fire-Ball 425, 3:1</b> 	3 to 4	109 lpm (28.7 gpm)	1/2 NPT(F)	3/4 NPT(F)	40-180 psi (2.8-12 bar)	540 psi	Universal oil pump	237526 - STK *308485
<b>Fire-Ball 425, 6:1</b> 	3 to 4	65 lpm (17.1 gpm)	1/2 NPT(F)	3/4 NPT(F)	40-180 psi (2.8-12 bar)	1100 psi	Universal oil pump	238108 - STK *308608
<b>Fire-Ball 425, 10:1</b> 	3 to 4	44 lpm (11.7 gpm)	1/2 NPT(F)	3/4 NPT(F)	40-180 psi (2.8-12 bar)	1800 psi	Universal oil pump	205626 - STK *308655







Oil Pumps



STK - Normally Stocked item in local warehouse NSA - Non-stocked item that will be delivered to local warehouse by air freight NSO - Non-stocked item that will be delivered to local warehouse by ocean freight

**Free Flow - Flow rate measured at pump outlet (10w oil)**

\*Manual Number

# Oil Pump Selection Guide

Pump Family and Fluid Pressure Ratio	Annual Usage	Simultaneous Dispense Points	Air Inlet	Fluid Outlet	Max Fluid PSI	Approx Free Flow @60 cpm	Air Operation Range	Part Number
<b>NXT High Flo, 3.5:1</b> 	> 132,000 L (35,000 gal)	4 to 5	3/4 NPT(F)	1 NPT(F)	350 psi (24.1 bar)	119.2 (31.5)	20-100 psi (1.4-7 bar)	24D602 - NSO *312862
<b>NXT High Flo, 4.5:1</b> 	> 132,000 L (35,000 gal)	4 to 5	3/4 NPT(F)	1 NPT(F)	450 psi (31.0 bar)	87.8 (23.2)	20-100 psi (1.4-7 bar)	24D603 - NSO *312862
<b>NXT High Flo, 6:1</b> 	> 132,000 L (35,000 gal)	4 to 5	3/4 NPT(F)	2 NPT(F)	500 psi (35.2 bar)	119.2 (31.5)	20-75 psi (1.4-5.2 bar)	24D606 - NSO *312862
<b>NXT Dura-Flo, 6:1</b> 	> 132,000 L (35,000 gal)	2 to 4	3/4 NPT(F)	1-1/2 NPT(F)	620 psi (42.7 bar)	65.9 (17.4)	20-100 psi (1.4-7 bar)	24D604 - NSO *312862
<b>NXT Dura-Flo, 10:1</b> 	> 132,000 L (35,000 gal)	2 to 4	3/4 NPT(F)	1-1/2 NPT(F)	1180 psi (81.3 bar)	65.9 (17.4)	20-100 psi (1.4-7 bar)	24D608 - NSO *312862
<b>NXT Dura-Flo, 12:1</b> 	> 132,000 L (35,000 gal)	2 to 4	3/4 NPT(F)	1-1/2 NPT(F)	1190 psi (82.1 bar)	34.8 (9.2)	20-100 psi (1.4-7 bar)	24D605 - NSO *312862

Pump Family and Fluid Pressure Ratio	Maximum Output Flow Rate	Maximum Fluid Output Pressure	Hydraulic Inlet	Hydraulic Outlet	Fluid Outlet	Maximum Hydraulic Inlet Pressure	Part Number
<b>Dyna-Star 1:1</b> 	11.4 lpm (3gpm)	1500 psi (102 bar)	3/8 NPT(F)	3/4 NPT(F)	1/2 NPT(F)	1500 psi (102 bar)	224742 - NSA *308155
<b>Power-Star 1:1</b> 	45 lpm (12 gpm)	1500 psi (102 bar)	3/4 NPT(F)	1-1/4 NPT(F)	1/2 NPT(F)	1500 psi (102 bar)	236754 - NSO *308391

\*Manual Number

NSA - Non-stocked item that will be delivered to local warehouse by air freight

NSO - Non-stocked item that will be delivered to local warehouse by ocean freight

# LD Oil - Grease Pump Packages

## LD BSPT 3:1 Oil Packages

Part Number	Type	Pump	Meter	Reel	Others
24H709	Tote Mount Top 1040L	Universal Oil Pump (24G578)	EM8 Flex Meter (25C912)	1/2' LD Oil Hose Reel (24F796)	Fluid oil hose kit (24J497), Tote top mount bracket (24F930), Reel bracket kit (24F932), Meter tray (24F914), Tube Extension (16F963)
24H710			EM8 Rigid Meter (25C911)		
24H733	Tote Mount Drain	Universal Oil Pump (24G578)	EM8 Flex Meter (25C912)	1/2' LD Oil Hose Reel (24F796)	Fluid oil hose kit (24J497), Tote mount pump bracket (24F920), Reel bracket kit (24F932), Meter tray (24F914), Suction hose kit to tote (24H671), Tote top bracket (24F931)
24H734			EM8 Rigid Meter (25C911)		
24H758	Cart w/reel 200L	Universal Oil Pump (24G578)	EM8 Flex Meter (25C912)	1/2' LD Oil Hose Reel (24F796)	Fluid oil hose kit (24J497), Cart (24F915), Tube Extension (16F951)
24H759			EM8 Rigid Meter (25C911)		
24H807	Drum Package	Universal Oil Pump (24G578)	EM8 Flex Meter (25C912)	N/A	Fluid oil hose kit (24H860), PVC Extension (16F949)
24H808			EM8 Rigid Meter (25C911)		



## LD BSPT 5:1 Oil Packages

Part Number	Type	Pump	Meter	Reel	Others
24H875	Tote Mount Top 1040L	Universal Oil Pump (24G590)	EM8 Flex Meter (25C912)	1/2' LD Oil Hose Reel (24F796)	Fluid oil hose kit (24J497), Tote mount pump bracket (24F930), Reel bracket kit (24F932), Meter tray (24F914), Tube Extension (16F963)
24H876			EM8 Rigid Meter (25C911)		
24H899	Tote Mount Drain	Universal Oil Pump (24G590)	EM8 Flex Meter (25C912)	1/2' LD Oil Hose Reel (24F796)	Fluid oil hose kit (24J497), Tote top mount bracket (24F920), Reel bracket kit (24F932), Meter tray (24F914), Suction hose kit to tote (24H671), Tote top bracket (24F931)
24H900			EM8 Rigid Meter (25C911)		
24H923	Cart w/reel 200L	Universal Oil Pump (24G590)	EM8 Flex Meter (25C912)	1/2' LD Oil Hose Reel (24F796)	Fluid oil hose kit (24J497), Cart (24F915), Tube Extension (16F951)
24H924			EM8 Rigid Meter (25C911)		
24H972	Drum Package	Universal Oil Pump (24G590)	EM8 Flex Meter (25C912)	N/A	Fluid oil hose kit (24H860), PVC Extension (16F949)
24H973			EM8 Rigid Meter (25C911)		

## LD BSPT 50:1 Grease Packages

Part Number	Type	Pump	Meter	Reel	Others
24J032	Drum	20 Kg Grease Pump (24G602)	Grease Gun (129583)		Fluid grease hose kit (24H863), 20 Kg Follower plate (24F901), 20 Kg Drum cover (24F904), Z-swivel (129593)
24J044		180 Kg Grease Pump (24G608)			
24J056	Cart	180 Kg Grease Pump (24G608)			Fluid grease hose kit (24H863), 180 Kg Follower plate (24F903), 180 Kg Drum cover (24F906), Cart (24F915), Z-swivel (129593)
24J068	Cart w/reel	180 Kg Grease Pump (24G608)		1/4' LD Grease Hose Reel (24F797)	Fluid grease hose kit (24J503), 180 Kg Follower plate (24F903), 180 Kg Drum cover (24F906), Cart (24F915), Z-swivel (129593)



## Accessories

Pumps	Description	BSPT	Others	BSPT
3:1	Pump Universal inc B/A	24G578	Bung Adaptor	24F918
	Pump Multilength	24G581	Wall Mount Bracket	24F910
	Pump 200L drum	24G584	Tote Top Pump Bracket W/O Pump Mount	24F920
	Pump 1040L tote	24G587	Tote Top Pump Bracket	24F930
5:1	Pump Universal inc B/A	24G590	Tote Side Pump Bracket	24F931
	Pump Multilength	24G593	Reel Bracket	24F932
	Pump 200L drum	24G596	Meter Tray	24F914
	Pump 1040L tote	24G599	Cart 55 Kg	24H422
			Cart 180 Kg	24F915
50:1	Pump 35#	24G602	Guns/Hoses	
	Pump 120#	24G605	940mm Downtube C/W 2 m Suction Hose	24F937
	Pump 400#	24G608	1260mm Downtube C/W 2 m Suction Hose	24H668
			Suction Hose Kit Tote Drain	24H671
			Fluid Hose Kit	24H860
			Fluid Grease Hose Kit	24H863
			Fluid Hose Kit 5m	24H866
			1/2" LD Oil Hose Reel	24F796
			1/4" LD Grease Hose Reel	24F797
			EM8 Flex Meter	25C912
			EM8 Rigid Meter	25C911
			Grease Gun	129583
			Grease Z Swivel	129593

Plates/Covers	20 KG	55 KG	180 KG
Follow plate	24F901	24F902	24F903
Drum cover	24F904	24F905	24F906









# GREASE PUMPS



PART NO.	246781	SERIES	Made in U.S.A.
SERIAL	K01485	A17D	
MAX AIR WPR			
1.8 MPA	10 bar	140 psi	 GRACO INC. P.O. Box 340 Milton, TN 38454 U.S.A. ARTWORK NO. 010917 REV. 2
MAX FLUID WPR			
38 MPa	550 bar	8400 psi	






# Grease Pump Selection Guide



Pump Family and Fluid Pressure Ratio	Annual Usage	Simultaneous Dispense Points	Approx. Free Flow Rate @ 100 psi	Air Inlet	Fluid Outlet	Air Operation Range	Description	Part Number
<b>LD 50:1</b> 	Up to 3,175 kg (7,000 lbs)	1	2 kg/min (4.5 lbs/min)	1/4 in BSPT	1/4 in BSPT	20-150 psi (1.37-10.3 bar)	16 kg (35 lb) Grease Pump 50:1 55 kg (120 lb) Grease Pump 50:1 180 kg (400 lb) Grease Pump 50:1	24G602 - STK 24G605 - STK 24G608 - STK *3A1334
<b>Mini Fire-Ball 225, 50:1</b> 	Up to 4,535 kg (10,000 lbs)	1	0.7 kg/min (1.5 lbs/min)	3/8 in NPT(F)	1/4 in NPT(F)	40-140 psi (2.8-10 bar)	16 kg (35 lb) Grease Pump - 50:1 55 kg (120 lb) Grease Pump - 50:1 180 kg (400 lb) Grease Pump - 50:1	246909 - NSA 246780 - NSA 246781 - NSA * 309966
<b>Fire-Ball 300, 15:1</b> 	Up to 4,535 kg (10,000 lbs)	1-2	3.4 kg/min (7.5 lbs/min)	3/8 in NPT(F)	1/4 in NPT(F)	40-180 psi (2.8-12.5 bar)	16 kg (35 lb) Grease Pump - 15:1 55 kg (120 lb) Grease Pump - 15:1 180 kg (400 lb) Grease Pump - 15:1	206405 - NSA 206699 - NSA 206700 - STK *306531
<b>Fire-Ball 300, 50:1</b> 	Up to 4,535 kg (10,000 lbs)	1-2	3.4 kg/min (7.5 lbs/min)	3/8 in NPT(F)	1/4 in NPT(F)	30-140 psi (2.1-9.7 bar)	16 kg (35 lb) Grease Pump - 50:1 55 kg (120 lb) Grease Pump - 50:1 180 kg (400 lb) Grease Pump - 50:1	239877- STK 239887 - STK 239888 - STK *308883
<b>Fireball 425, 10:1</b> 	> 9,072 kg (20,000 lbs)	4 or more	13.1 kg/min (29 lbs/min)	1/2 in NPT(F)	1 in NPT(F)	40-180 psi (2.8-12.5 bar)	Stubby mount 10:1 pump Fire-Ball 425, 10:1 pump - Includes Bung Adaptor	965124 - STK 965129 - STK *309407
<b>Fire-Ball 425, 50:1</b> 	> 9,072 kg (20,000 lbs)	4 or more	4.1 kg/min (9 lbs/min)	1/2 in NPT(F)	3/8 in NPT(F)	40-150 psi (2.8-10.3 bar)	55 kg (120 lb) Grease Pump - 50:1 180 kg (400 lb) Grease Pump - 50:1	205394 - STK 205395 - STK *306674
<b>Fire-Ball 425, 75:1</b> 	> 9,072 kg (20,000 lbs)	4 or more	2.9 kg/min (6.5 lbs/min)	1/2 in NPT(F)	3/8 in NPT(F)	40-100psi (2.8-7 bar)	16 kg (35 lb) Grease Pump - 75:1 55 kg (120 lb) Grease Pump - 75:1 180 kg (400 lb) Grease Pump - 75:1	239731 - NSA 239729 - STK 239730 - NSA *308777
<b>GT 750 36:1</b> 	> 9,072 kg (20,000 lbs)	4 or more	14.5 kg/min (32 lbs/min)	1/2 in NPT(F)	1 in NPT(F)	40-100psi (2.8-7 bar)	Universal Pump 55 kg (121 lb) 180 kg (400 lb)	24W498 - STK 25D116 - STK 24W337 - STK *3A5363

Grease Pumps

STK - Stocked item in local warehouse  
 NSA - Non-stocked item that will be delivered to local warehouse by air freight  
 NSO - Non-stocked item that will be delivered to local warehouse by ocean freight  
 \*Manual Number

# Grease Pump Selection Guide

Pump Family and Fluid Pressure Ratio	Maximum Grease Output Flow Rate	Maximum Grease Output Pressure	Hydraulic Inlet (Supply)	Hydraulic Outlet (Return)	Grease Outlet	Maximum Hydraulic Inlet Pressure	Description	Part Number
<b>Dyna-Star 5:1</b> 	1.8 kg/min (4 lb/min)	7500 psi (517 bar)	3/8 in NPT(F)	3/4 in NPT(F)	1/2 in NPT(F)	1500 psi (102 bar)	Pump 16 kg (35 lb) Pump 55 kg (120 lb) Pump 180 kg (400 lb)	224912 - NSA 224751 - NSA 224752 - NSA *308156
<b>Dyna-Star 10:1</b> 	0.5 kg/min 1.1 lb/min	7500 psi (517 bar)	3/4 in -16 JIC (37° Flare)	3/4 in NPT(F)	1/2 in NPT(F)	600 psi (41 bar)	Pump	247450 - NSA *312350
<b>Viscount II 2.4:1</b> 	20.4 kg/min 54 lb/min	2300 psi (159 bar)	3/4 in NPT(F)	1 in NPT(F)	1-1/2 in NPT(F)	1500 psi (102 bar)	Pump	222902 - STK *308149

Pump Family and Fluid Pressure Ratio	Annual Usage	Air Inlet	Fluid Outlet	Air Operation Range	Description	Part Number
<b>Check-Mate 14:1</b> 	> 9,072 kg (20,000 lb)	3/4 in NPT(F)	1-1/2 in NPT(M)	0-100 psi (0-7 bar)	Stand Mount W/O Data Trak	24E006 - STK *312376
<b>Check-Mate 26:1</b> 	> 9,072 kg (20,000 lb)	3/4 NPT(F)	1-1/2 in NPT(M)	0-100 psi (0-7 bar)	Stand Mount W/O Data Trak	24E007 - STK *312376

STK - Stocked item in local warehouse  
 NSA - Non-stocked item that will be delivered to local warehouse by air freight  
 NSO - Non-stocked item that will be delivered to local warehouse by ocean freight  
 \*Manual Number

# DISPENSE METERS



# Graco Dispense Meters

Product	Fluid	Manual/ Preset	Maximum Working Pressure	Maximum Flow Rate	Intended Use	Extension	Inlet inc (mm)	Part Number
<b>EM Series Electronic Meters</b> 	Oil Anti-freeze	Manual	1,500 psi (103.4 bar)	30 lpm (8 gpm)	Indoor/ Outdoor	Flex Rigid	1/2 (13) NPT	EM8 25C904 - STK 25C903 - STK
				76 lpm (20 gpm)		Flex Rigid	3/4 (19) NPT	EM20 25C918 - STK 25C919 - STK
<b>LDP5 Electronic Preset Meters</b> 	Oil Anti-freeze	Preset	1,000 psi (69 bar)	19 lpm (5 gpm)	Indoor	Flex Rigid	1/2 (13) NPT	258694 - NSA 256216 - NSA
<b>SD Series Electronic Meters</b> 	Oil	Preset	1,500 psi (103.4 bar)	30 lpm (8 gpm)	Indoor/ Limited Outdoor	Flex Rigid	1/2 (13) NPT	26C354 - STK 26C384 - STK
				68 lpm (18gpm)		Flex Rigid	3/4 (19) NPT	26C361 - STK 26C360 - STK
<b>IM20 In-Line Meters</b> 	Oil Anti-freeze	In-Line	1,500 psi (103.4 bar)	76 lpm (20 gpm)	Indoor/ Outdoor		3/4 (19) NPT	25C841 - STK
<b>SDV15 Control Valves</b> 	Oil	N/A	1,500 psi (103.4 bar)	56.8 lpm (15 gpm)	Indoor/ Outdoor	Flex Rigid	1/2 (13) NPT	247713 - STK 247712 - STK
	Anti-freeze					Flex Rigid		247716 - STK 247715 - NSA
	Gear					Gear		247714 - NSA
<b>XDV20 Control Valves</b> 	Oil Anti-freeze	N/A	1,500 psi (103.4 bar)	76 lpm (20 gpm)	Indoor/ Outdoor	Rigid	1/2 (13) NPT 3/4 (19) NPT	247718 - NSA 247722 - STK
						Flex	1/2 (13) NPT 3/4 (19) NPT	247721 - STK 247723 - STK

STK - Stocked item in local warehouse  
 NSA - Non-stocked item that will be delivered to local warehouse by air freight  
 NSO - Non-stocked item that will be delivered to local warehouse by ocean freight



Oil Dispense Meters and Control Valves

# HOSE REELS

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# Hose Reels Overview


Hose Reels

	Typical Application	Typical Fluid	Hose/Cord Length Options	Enclosed
<b>LD™ Series</b> 	<ul style="list-style-type: none"> <li>• Small maintenance shops</li> <li>• Tire maintenance shops</li> <li>• Small fast lubes</li> <li>• Independent repair facilities</li> <li>• Industrial manufacturing facilities</li> </ul>	<ul style="list-style-type: none"> <li>• Petroleum- and synthetic-based oils</li> <li>• Air</li> <li>• Water</li> <li>• Grease</li> <li>• Anti-freeze</li> <li>• Windshield washer fluid</li> </ul>	<ul style="list-style-type: none"> <li>• 11 m (35 ft)</li> <li>• 14 m (45 ft)</li> <li>• 15 m (50 ft)</li> </ul>	Yes
<b>SD™ 10 / 20 Series</b> 	<ul style="list-style-type: none"> <li>• Car dealerships</li> <li>• Light-/medium-duty truck dealers</li> <li>• Fleet maintenance</li> <li>• Public works garages</li> <li>• Construction vehicle maintenance</li> <li>• Light-utility service trucks</li> </ul>	<ul style="list-style-type: none"> <li>• Petroleum- and synthetic-based oils</li> <li>• Air</li> <li>• Water</li> <li>• Grease</li> <li>• Anti-freeze</li> <li>• Windshield washer fluid</li> </ul>	<ul style="list-style-type: none"> <li>• 11 m (35 ft)</li> <li>• 15 m (50 ft)</li> <li>• 20 m (65 ft)</li> </ul>	Optional
<b>XD™ 10 / 20 Series</b> 	<ul style="list-style-type: none"> <li>• Heavy-duty truck dealers</li> <li>• Fleet maintenance</li> <li>• Mining maintenance</li> <li>• Public works garage</li> <li>• Construction vehicle maintenance</li> <li>• Heavy-duty mobile service trucks</li> <li>• Mining</li> <li>• Lube trucks</li> </ul>	<ul style="list-style-type: none"> <li>• Petroleum- and synthetic-based oils</li> <li>• Air</li> <li>• Water</li> <li>• Grease</li> <li>• Anti-freeze</li> <li>• Windshield washer fluid</li> </ul>	<ul style="list-style-type: none"> <li>• 11 m (35 ft)</li> <li>• 15 m (50 ft)</li> <li>• 20 m (65 ft)</li> </ul>	Optional
<b>XD™ 30 Series</b> 	<ul style="list-style-type: none"> <li>• Heavy-duty truck dealers</li> <li>• Fleet maintenance</li> <li>• Mining maintenance</li> <li>• Public works garage</li> <li>• Construction vehicle maintenance</li> <li>• Heavy-duty mobile service trucks</li> <li>• Mining</li> <li>• Lube trucks</li> </ul>	<ul style="list-style-type: none"> <li>• Petroleum- and synthetic-based oils</li> <li>• Diesel fuel</li> <li>• Air</li> <li>• Water</li> <li>• Grease</li> <li>• Anti-freeze</li> <li>• Windshield washer fluid</li> <li>• Pressure wash</li> <li>• Waste oil evacuation</li> <li>• Diesel exhaust fluid (DEF)</li> </ul>	<ul style="list-style-type: none"> <li>• 11 m (35 ft)</li> <li>• 15 m (50 ft)</li> <li>• 20 m (65 ft)</li> <li>• 23 m (75 ft)</li> </ul>	No
<b>XD™ 40 / 50 Series</b> 	<ul style="list-style-type: none"> <li>• Heavy-duty truck dealers</li> <li>• Fleet maintenance</li> <li>• Mining maintenance</li> <li>• Public works garages</li> <li>• Construction vehicle maintenance</li> <li>• Heavy-duty mobile service trucks</li> <li>• Agriculture</li> <li>• Lube trucks</li> </ul>	<ul style="list-style-type: none"> <li>• Petroleum- and synthetic-based oils</li> <li>• Diesel fuel</li> <li>• Air</li> <li>• Water</li> <li>• Anti-freeze</li> <li>• Waste oil evacuation</li> </ul>	<ul style="list-style-type: none"> <li>• 11 m (35 ft)</li> <li>• 15 m (50 ft)</li> <li>• 23 m (75 ft)</li> <li>• 30 m (100 ft)</li> </ul>	No
<b>XD™ 60 / 70 / 80 Series</b> 	<ul style="list-style-type: none"> <li>• Heavy-duty truck dealers</li> <li>• Fleet maintenance</li> <li>• Mining maintenance</li> <li>• Public works garages</li> <li>• Construction vehicle maintenance</li> <li>• Heavy-duty mobile service trucks</li> <li>• Agriculture</li> <li>• Lube trucks</li> </ul>	<ul style="list-style-type: none"> <li>• Petroleum- and synthetic-based oils</li> <li>• Diesel fuel</li> <li>• Air</li> <li>• Water</li> <li>• Grease</li> <li>• Waste oil evacuation</li> </ul>	<ul style="list-style-type: none"> <li>• 15 m (50 ft)</li> <li>• 23 m (75 ft)</li> <li>• 30 m (100 ft)</li> <li>• 46 m (150 ft)</li> </ul>	No

# Hose Reels Selection Guide


## LD Series Hose Reels

Recommended Reels BSPT Thread, Includes Swivel Bracket, Hose & Ball Stop

	Fluid	Hose		Connection Size		Maximum Pressure psi (bar)	Part Number
		ID mm (in)	Length m (ft)	Inlet mm (in) BSPT	Outlet mm (in) BSPT		
	Air/Water/ Anti-Freeze/ Windshield Washer Fluid	10 (3/8)	11 (35)	13 (1/2)	10 (3/8)	250 (17.2)	HEL23D
		10 (3/8)	15 (50)	13 (1/2)	10 (3/8)	250 (17.2)	HEL25D
		13 (1/2)	11 (35)	13 (1/2)	13 (1/2)	250 (17.2)	HEL33D
		13 (1/2)	14 (45)	13 (1/2)	13 (1/2)	250 (17.2)	HEL34D
	Oil	13 (1/2)	11 (35)	13 (1/2)	13 (1/2)	1,800 (124)	HEM33D
	Grease	6 (1/4)	11 (35)	10 (3/8)	6 (1/4)	5,000 (345)	HEH13D

## SD Series Hose Reels



Recommended Reels (other reels available - see PMG Guide 303245) Includes Hose, Ball Stop & Guide  
Unless otherwise noted\*

	Reel Size	Fluid	Hose		Connection Size		Maximum Pressure psi (bar)	Part Number
			ID mm (in)	Length m (ft)	Inlet npsm (m)	Outlet		
	SD 20	Air/Water/Anti-Freeze/ Windshield Washer Fluid	10 (3/8)	20 (65)	1/2	3/8 npt (m)	300 (20.7)	HPL56B
			13 (1/2)	15 (50)	1/2	1/2 npt (m)	300 (20.7)	HPL65B
		Oil	13 (1/2)	15 (50)	1/2	1/2 npsm (f)	2,000 (138)	HPM6DB*
			13 (1/2)	15 (50)	1/2	1/2 npt (m)	2,000 (138)	HPM65B
		Grease	10 (3/8)	15 (50)	3/8	1/4 npt (m)	4,800 (331)	HPH55B

\*Bare reel

## XD 20/30 Series Hose Reels

Recommended Reels (other reels available - see PMG Guide 303245) Includes Hose, Ball Stop, & Guide  
Unless otherwise noted\*

 	Reel Size	Fluid	Hose		Connection Size		Maximum Pressure psi (bar)	Part Number
			ID mm (in)	Length m (ft)	Inlet	Outlet		
	XD 20	Air/Water/Anti-Freeze/ Windshield Washer Fluid	13 (1/2)	15 (50)	1/2 npsm(m)	1/2 npt(m)	300 (20.7)	HSL65F
		Oil	13 (1/2)	15 (50)	1/2 npsm(m)	1/2 npt(m)	2,000 (138)	HSM65B HSM65F
			13 (1/2)	15 (50)	1/2 npsm(m)	1/2 npt(f)	2,000 (138)	HSM6DF*
		Grease	10 (3/8)	15 (50)	3/8 npsm(m)	1/4 npt(m)	4,800 (331)	HSH55F HSH55B
10 (3/8)	15 (50)		3/8 npsm(m)	3/8 npsm(f)	8,000 (552)	HSH5DF*		
	XD 30	Air/Water/Anti-Freeze/ Windshield Washer Fluid	13 (1/2)	23 (75)	1/2 npsm(m)	1/2 npt(m)	300 (20.7)	HSLC8F
			19 (3/4)	15 (50)	3/4 npsm(m)	3/4 npt(m)	300 (20.7)	HSLD5F
		Oil	13 (1/2)	23 (75)	1/2 npsm(m)	1/2 npt(m)	1500 (103)	HSMC8F
			19 (3/4)	15 (50)	3/4 npsm(m)	3/4 npt(m)	1250 (86)	HSM5B HSM5F
			19 (3/4)	15 (50)	3/4 npsm(m)	3/4 npt(f)	2000 (138)	HSMDDA* HSMDDF*
		Grease	13 (1/2)	15 (50)	1/2 npsm(m)	1/2 npt(m)	5,000 (345)	HSHC5F
			13 (1/2)	15 (50)	1/2 npsm(m)	1/2 npt(f)	5,000 (345)	HSHCDF*
		Pressure Wash	9.5 (3/8)	23 (75)	1/2 npsm(m)	3/8 npt(m)	4,000 (276)	HSPB8F
Fuel / Evacuation	25 (1)	9 (30)	3/4 npsm(m)	1 npt(m)	125 (8.6)	HSLE3F		

\*Bare reel

HSLE3F F= Yellow  
A= White  
B= Blue



# Hose Reels Selection Guide

## XD 40/50 Series Hose Reels

Recommended Reels (other reels available - see PMG Guide 303245) Includes Hose, Ball Stop, & Guide

Unless otherwise noted \*

**Recommended Yellow Reels**

Reel Size	Fluid	Hose		Connection Size		Maximum Pressure psi (bar)	Assembly Part Number Yellow		
		ID mm (in)	Length ft (m)	Inlet	Outlet				
	Air/Water/Anti-Freeze/ Windshield Washer Fluid	19 (3/4)	30 (100)	1 npt(f)	3/4 npt(m)		24P334		
		13 (1/2) 19 (3/4) 25 (1)	30 (100) 23 (75) 15 (50)	1 npt(f)	1 npt(f)	600 (41)	<b>24P315*</b>		
		25 (1)	15 (50)	1 npt(f)	1 npt(m)	300 (21)	24P337		
		19 (3/4)	30 (100)	1 npt(f)	1 npt(f)	600 (41)	<b>24P318*</b>		
XD 50		25 (1)	30 (100)	1 npt(f)	1 npt(m)	300 (21)	24P474		
	Oil	19 (3/4)	30 (100)	1 npt(f)	3/4 npt(m)	1,500 (103)	24P346		
		25 (1)	15 (50)	1 npt(f)	1 npt(m)	1,275 (88)	24P349		
		25 (1) 19 (3/4)	15 (50) 23 (75)	1 npt(f)	1 npt(f)	2,000 (138)	<b>24P322*</b>		
		13 (1/2) 19 (3/4)	30 (100)	1 npt(f)	1 npt(f)	2,000 (138)	<b>24P325*</b>		
		XD 50		25 (1)	23 (75)	1 npt(f)	1 npt(m)	1,275 (88)	24P477
				25 (1)	23 (75)	1 npt(f)	1 npt(f)	2,000 (138)	<b>24P459*</b>
* Other colours available	Fuel	25 (1)	15 (50)	1 npt(f)	1 npt(m)	250 (17)	24P355		
		25 (1)	15 (50)	1 npt(f)	1 npt(f)	600 (41)	<b>24P318*</b>		
XD 50		25 (1)	30 (100)	1 npt(f)	1 npt(m)	250 (17)	24P489		
		28 (1 1/2)	15 (50)	1 1/2 npt(f)	1 1/2 N npt	150 (10)	24P498		
		32 (1 1/4)	15 (50)	1 1/2 npt(f)	1 1/2 npt(f)	600 (41)	<b>24P462*</b>		
		38 (1 1/2)	15 (50)	1 1/2 npt(f)	1 1/2 npt(f)	600 (41)	<b>24P468*</b>		
XD 40	Waste Oil Evacuation	1	23 (73)	1 npt(f)	1 npt(f)	600 (41)	<b>24P318*</b>		
XD 50		32 (11/4)	15 (50)	1 1/2 npt(f)	1 1/2 npt(f)	600 (41)	<b>24P462*</b>		

\*Bare reel



# Powered Reels Selection Guide

## Ordering Information


Note: Sold as bare reels\*

### Reel Frames Only

#### XD 60/70/80 Hose Reels

Recommended Reels (other reels available - see PMG Guide 303245)  
Reels are bare, order Motor, Guide & Ball Stop separately




Recommended Yellow Reels




Reel Size	Fluid	Hose Capacity of Reel m (ft)					Maximum Pressure psi (bar)	Weight kg (lb)	Inlet/Outlet Size NPT(F)	Part Number - Yellow	
		Hose ID mm (in)									
		13 (1/2)	19 (3/4)	25 (1)	38 (1-1/2)	51 (2)					
XD 6010	Air/Water/Diesel Fuel	30 (100)	30 (100)	15 (50)	-	-	600 (41)	39 (87)	1 in/1 in (25 mm/25 mm)	24T105*	
	Waste Oil Evac.	-	-	15 (50)	-	-	600 (41)	39 (87)		24T108*	
	Oil	30 (100)	30 (100)	15 (50)	-	-	3,000 (207)	40 (88)		24T111*	
	Grease	30 (100)	30 (100)	15 (50)	-	-	3,000 (207)	39 (87)		24T114*	
XD 7010	Air/Water/Diesel Fuel	-	-	30 (100)	-	-	600 (41)	39 (86)		24T123*	
	Oil	-	-	30 (100)	-	-	3,000 (207)	39 (87)		24T126*	
XD 8010	Air/Water/Diesel Fuel	-	-	46 (150)	-	-	600 (41)	58 (127)		1-1/2 in (38 mm/38 mm)	24T117*
	Oil	-	-	46 (150)	-	-	3,000 (207)	28 (129)			24T129*
XD 7015	Waste Oil Evac.	-	-	-	15 (50)	-	600 (41)	39 (87)			24T120*
XD 8015	Diesel Fuel	-	-	-	15 (50)	-	600 (41)	39 (87)			24T132*
		-	-	-	30 (100)	-	600 (41)	58 (129)			
		-	-	-	-	10 (33)	600 (41)	41 (91)			
		-	-	-	-	15 (50)	600 (41)	60 (133)			

\*Bare reel



### Motor Assemblies – Pair with Frame-Only Models

	Part Number	Description
	24T892	Pneumatic motor assembly, reversible type. For installing motor to bare XD reel.
	24T891	Hydraulic motor assembly, reversible type. For installing motor to bare XD reel.
	24T888	24 VDC, 1/2 HP motor assembly, reversible type. For installing motor to bare XD frame.

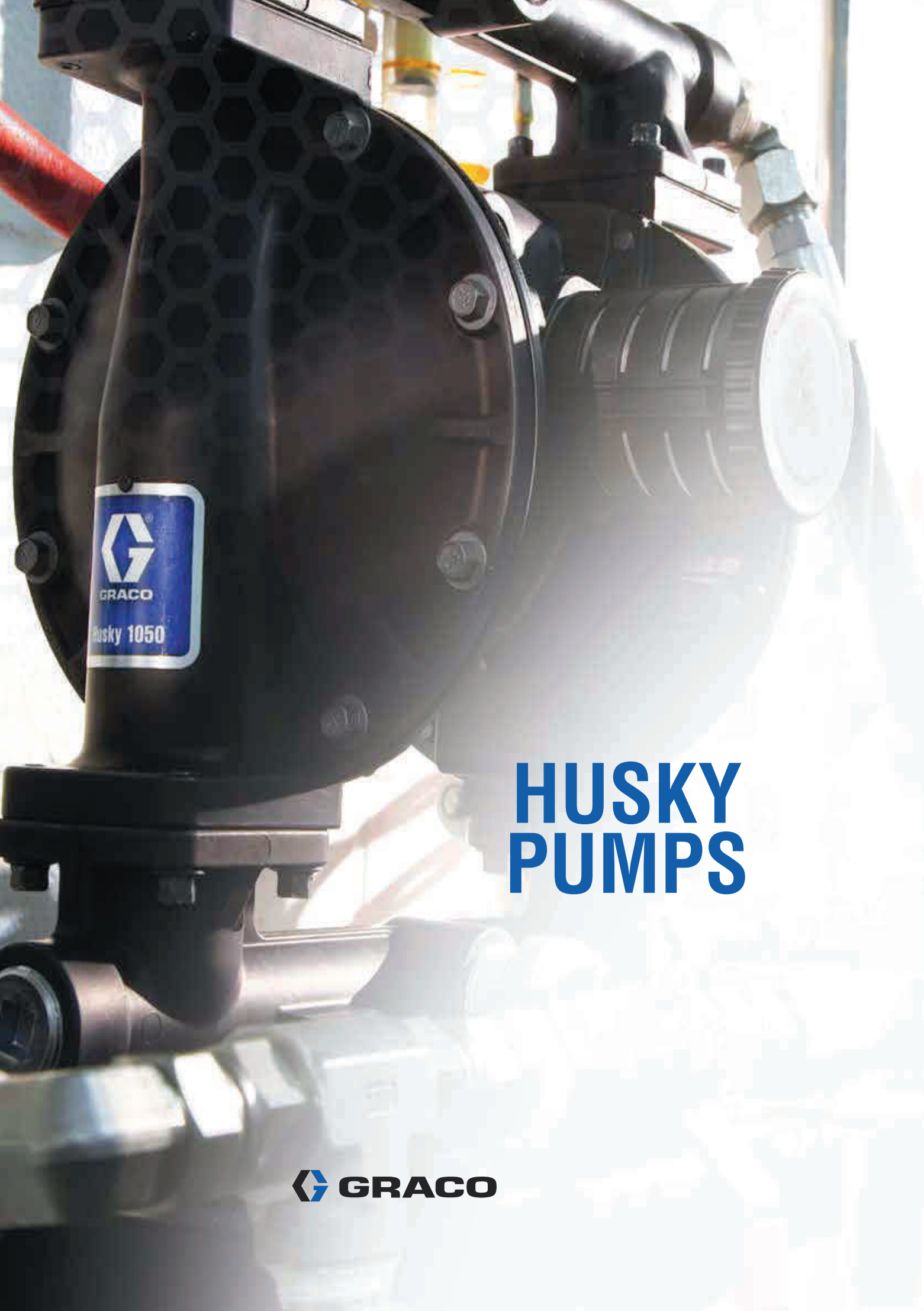
### Ball Stop Kits

	Part Number	Description
	237873	Ball stop kit used for 3/4 in (19 mm) hose
	237874	Ball stop kit used for 1 in (25 mm) hose
	24R060	Ball stop kit used for 1.25 in (32 mm) hose
	24R061	Ball stop kit used for 1.5 in (38 mm) hose

### Hose Guide

	Part Number	Description
	24T327	Stainless steel hose guide for XD 60
	24T328	Stainless steel hose guide for XD 70
	24T329	Stainless steel hose guide for XD 80
	24R072	Roller guide kit with bracket for XD 40 and XD 60
	24T330	Roller guide kit with bracket for XD 70
	24T331	Roller guide kit with bracket for XD 80

Hose Reels



# HUSKY PUMPS

 **GRACO**

# Diaphragm Pump Selection Guide (Stocked)



	Description	Part No	Airmotor	Manifolds	Seats	Balls	Diaphragms	Typical Application
	Husky 3300 3"	652134	Aluminium	Aluminium ANSI/Flange/BSPT	Geolast	Geolast	Geolast	Waste Oil, Diesel, etc same as Buna good abrasion resistance
	Husky 3300 3"	652090	Aluminium	Aluminium ANSI/Flange/BSPT	TPE	Acetal	<b>TPE</b>	Hot Oil, Unleaded Fuel, Coolant typical lube application
	Husky 3300 3"	652423	Poly	Poly/ANSI/DIN	Santoprene	Santoprene	Santoprene	Chemical - Highest Diaphragm life where PTFE is required
	Husky 3300 3"	652404	Poly	Poly/ANSI/DIN	Poly	PTFE	PTFE	Chemical Resistance where PTFE is required
	Husky 3300 3"	652856	Poly	Poly/ANSI/DIN	S/S	PTFE	PTFE	Highest Chemical Resistance where PTFE/Stainless is required
	Husky 2200 2"	653504	Poly	Centre Poly ANSI Flange	Poly	PTFE	PTFE	Highest Chemical Resistance where PTFE is required
	Husky 2200 2"	653511	Poly	End Poly ANSI Flange	Poly	PTFE	PTFE	Highest Chemical Resistance where PTFE is required
	Husky 2200 2"	653500	Poly	Centre Poly ANSI Flange	Poly	Santoprene	Santoprene	Chemical - Highest Diaphragm life where Santoprene can be used
	Husky 2200 2"	653507	Poly	End Poly ANSI Flange	Poly	Santoprene	Santoprene	Chemical - Highest Diaphragm life where Santoprene can be used
	Husky 2150 2"	DF3525	Aluminium	Aluminium NPT	TPE	Acetal	TPE	Oil, Hot Oil, Unleaded Fuel, Coolant typical Lube application
	Husky 2150 2"	DFC525	Aluminium	Aluminium BSP	TPE	Acetal	TPE	Oil, Hot Oil, Unleaded Fuel, Coolant typical Lube application
	Husky 2150 2"	DF3GGG	Aluminium	Aluminium NPT	Geolast	Geolast	Geolast	Waste Oil, Diesel etc same as Buna good abrasion resistance
	Husky 2150 2"	DFCGGG	Aluminium	Aluminium BSP	Geolast	Geolast	Geolast	Waste Oil, Diesel etc same as Buna good abrasion resistance
	Husky 15120 1.5"	654504	Poly	Centre Poly ANSI Flange	Poly	PTFE	PTFE	Highest Chemical Resistance where PTFE is required
	Husky 15120 1.5"	654511	Poly	End Poly ANSI Flange	Poly	PTFE	PTFE	Highest Chemical Resistance where PTFE is required
	Husky 15120 1.5"	654500	Poly	Centre Poly ANSI Flange	Poly	Santoprene	Santoprene	Chemical - Highest Diaphragm life where Santoprene can be used
	Husky 15120 1.5"	654507	Poly	End Poly ANSI Flange	Poly	Santoprene	Santoprene	Chemical - Highest Diaphragm life where Santoprene can be used
	Husky 1590 1.5"	DB3525	Aluminium	Aluminium NPT	TPE	Acetal	TPE	Oil, Hot Oil, Unleaded Fuel, Coolant typical Lube application
	Husky 1590 1.5"	DBC525	Aluminium	Aluminium BSP	TPE	Acetal	TPE	Oil, Hot Oil, Unleaded Fuel, Coolant typical Lube application
	Husky 1590 1.5"	DB3GGG	Aluminium	Aluminium NPT	Geolast	Geolast	Geolast	Waste Oil, Diesel etc same as Buna good abrasion resistance
	Husky 1590 1.5"	DBC5GGG	Aluminium	Aluminium BSP	Geolast	Geolast	Geolast	Waste Oil, Diesel etc same as Buna good abrasion resistance
	Husky 1050 1"	647666	Aluminium	Aluminium NPT	TPE	Acetal	TPE	Oil, Hot Oil, Unleaded Fuel, Coolant typical Lube application
	Husky 1050 1"	647097	Aluminium	Aluminium BSP	TPE	Acetal	TPE	Oil, Hot Oil, Unleaded Fuel, Coolant typical Lube application waste oil
	Husky 1050 1"	647040	Aluminium	Aluminium NPT	Geolast	Geolast	Geolast	Waste Oil, Diesel etc same as Buna good abrasion resistance
	Husky 1050 1"	647121	Aluminium	Aluminium BSP	Geolast	Geolast	Geolast	Waste Oil, Diesel etc same as Buna good abrasion resistance
	Husky 1050 1"	649006	Poly	Centre Poly ANSI Flange	Poly	PTFE	PTFE	Highest Chemical Resistance where PTFE is required
	Husky 1050 1"	649034	Poly	End Poly ANSI Flange	Poly	PTFE	PTFE	Highest Chemical Resistance where PTFE is required
	Husky 1050 1"	649001	Poly	Centre Poly ANSI Flange	Poly	Santoprene	Santoprene	Chemical - Highest Diaphragm Life where Santoprene can be used
	Husky 1050 1"	649029	Poly	End Poly ANSI Flange	Poly	Santoprene	Santoprene	Chemical - Highest Diaphragm Life where Santoprene can be used
	Husky 1050 HP	24W764/5	Aluminium	Aluminium NPT/BSPT	Geolast	Geolast	Buna	Waist Oil - Diesel - No Unleaded Fuel General Transfer
	Husky 716 3/4"	D53277	Aluminium	Aluminium NPT	Acetal	Buna	Buna	Oil, Waste Oil, Diesel, Coolant Typical Lube application
	Husky 716 3/4"	D5C277	Aluminium	Aluminium BSP	Acetal	Buna	Buna	Oil, Waste Oil, Diesel, Coolant Typical Lube application
	Husky 515 1/2"	D52966	Poly	Poly NPT	Poly	Santoprene	Santoprene	Chemical - Highest Diaphragm Life where Santoprene can be used
	Husky 515 1/2"	D5B966	Poly	Poly BSP	Poly	Santoprene	Santoprene	Chemical - Highest Diaphragm Life where Santoprene can be used
	Husky 515 1/2"	D55A11	Poly	PVDF NPT	PVDF	PTFE	PTFE	High Chemical Resistance where PVDF/PTFE is required
	Husky 515 1/2"	D5EA11	Poly	PVDF BSP	PVDF	PTFE	PTFE	High Chemical Resistance where PVDF/PTFE is required
	Husky 205 1/4"	D12096	Poly	Poly NPT/BSP	Check Valve	Check Valve	Santoprene	Chemical - Highest Diaphragm Life where Santoprene can be used
	Husky 205 1/4"	D12091	Poly	Poly NPT/BSP	Check Valve	Check Valve	PTFE	Highest Chemical Resistance where PTFE/Poly is required
	Husky 205 1/4"	D150A1	Poly	PVDF NPT/BSP	Check Valve	Check Valve	PTFE	Highest Chemical Resistance where PTFE/PVDF is required
	Husky 205 1/4"	D11021	Poly	Acetal NPT/BSP	Check Valve	Check Valve	PTFE	Highest Chemical Resistance where PTFE is required

Husky Pumps

Pump	Parts Manual	Operation Manual
Husky 3300 Metal/Plastic	3A0411	3A0410
Husky 2200 Plastic	3A2714	3A2578
Husky 2150 Metal	308368	N/A
Husky 15120 Plastic	3A2889	3A2888
Husky 1590 Metal	308441	N/A
Husky 1050 Metal/Plastic	313435	312877
Husky 1050 HP Metal	334390	334014
Husky 716 Metal	308981	N/A
Husky 515 Plastic	308981	N/A
Husky 205 Plastic	308652	N/A

### Quick Links:

Sales Book: <https://salesbook.graco.com/>  
 Process Pumphouse: <https://www.graco.com/us/en/in-plant-manufacturing/support/process-resources.html>



# FLUID MANAGEMENT SYSTEMS



# Choosing a Graco Fluid Management Solution

## PULSE<sup>TM</sup> FC

### Steps to Build Your Pulse FC System:

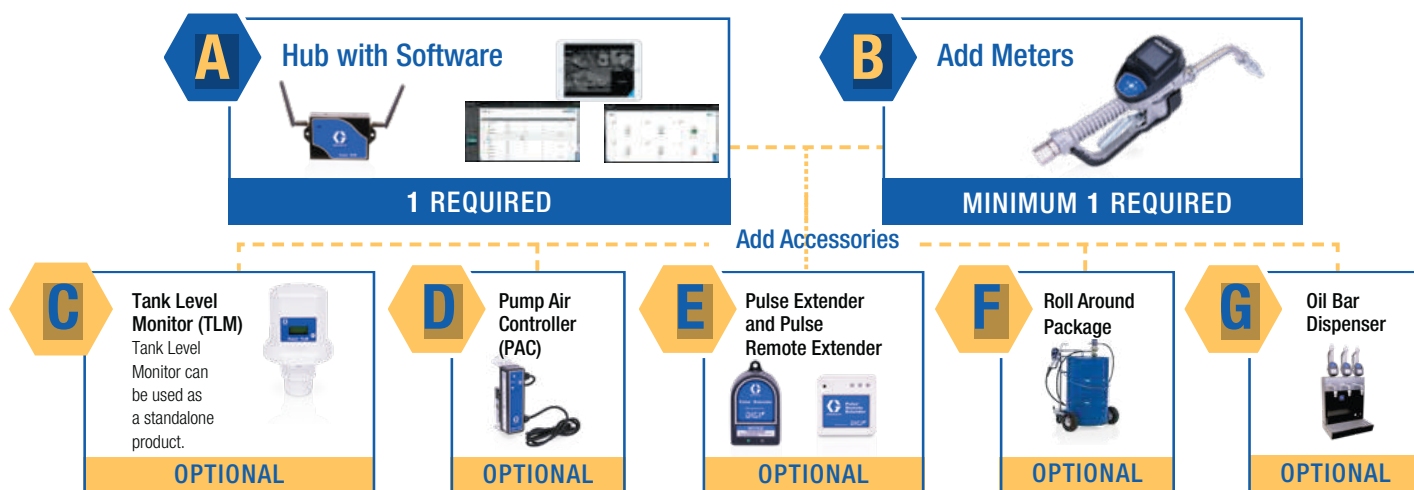


FEATURE	Pulse FC
<b>Control</b>	
Regulate the amount of fluid that's dispensed to reduce spillage and waste.	
Allow control of dispenses	✓
Restrict the quantity of fluid	✓
Ensure correct amount of fluid	✓
<b>Meters</b>	
Put control into the hands of your technicians so they can be more productive, accurate and accountable.	
Works with petroleum, synthetic based oils, anti-freeze	✓
Meter displays quantity dispensed	✓
Fluid measured at dispense point (highly accurate)	✓
<b>Installation</b>	
Seamless integration simplifies dispenses without compromising workflows or productivity.	
Works with oil bar	✓
Wire-free installation	✓
<b>Flexibility</b>	
Accommodate emerging demands to maintain or expand productivity and profitability.	
Works with mobile roll-around packages	✓
Easy expansion with additional fluids	✓
Easy upgrade to comprehensive fluid management	✓
<b>User Interface</b>	
Access the information necessary to make more informed decisions quickly.	
Simple PC-based software	✓
Software updates	✓

Fluid Management Systems

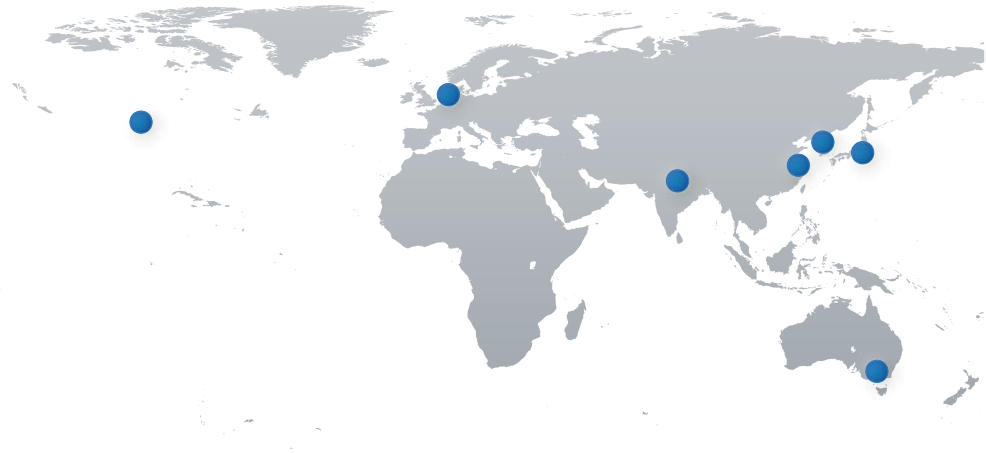
# PULSE<sup>TM</sup> PRO

## Steps to Build Your Pulse Pro System:



FEATURE	Pulse Pro
<b>Control</b>	
Regulate the amount of fluid that's dispensed to reduce spillage and waste.	
Allow control of dispenses	✓
Restrict the quantity of fluid	✓
Ensure correct amount of fluid	✓
<b>Meters</b>	
Put control into the hands of your technicians so they can be more productive, accurate and accountable.	
Works with petroleum, synthetic based oils, anti-freeze	✓
Works with windshield wash solvent	✓
Meter displays quantity dispensed	✓
Fluid measured at dispense point (highly accurate)	✓
<b>Installation</b>	
Seamless integration simplifies dispenses without compromising workflows or productivity.	
Works with oil bar	✓
Wire-free installation	✓
Wireless communication	✓
Pump air control (PAC)	✓
<b>Flexibility</b>	
Accommodate emerging demands to maintain or expand productivity and profitability.	
Works with mobile roll-around packages	✓
Easy expansion with additional fluids	✓
<b>User Interface</b>	
Access the information necessary to make more informed decisions quickly.	
No software to install (Local web page)	✓
Accessible from any PC, phone or tablet	✓
<b>Fluid Management</b>	
Improve accountability for your entire operations.	
Track dispenses by invoice or work order	✓
Track dispenses by technician	✓
Record fluid type and quantity dispensed	✓
Keeps technician in service bay	✓
<b>Fluid Inventory</b>	
Simplify how you re-order and store inventory to minimize delays.	
Monitor tank levels (TLM)	✓
Dealer Management Solution (DMS) integration	✓
<b>Reporting</b>	
Capture critical information and insights to simplify decision-making.	
Print on dispense	✓
Automated customizable reports	✓
Automated alerts to simplify inventory tasks Software updates	✓





# 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.



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