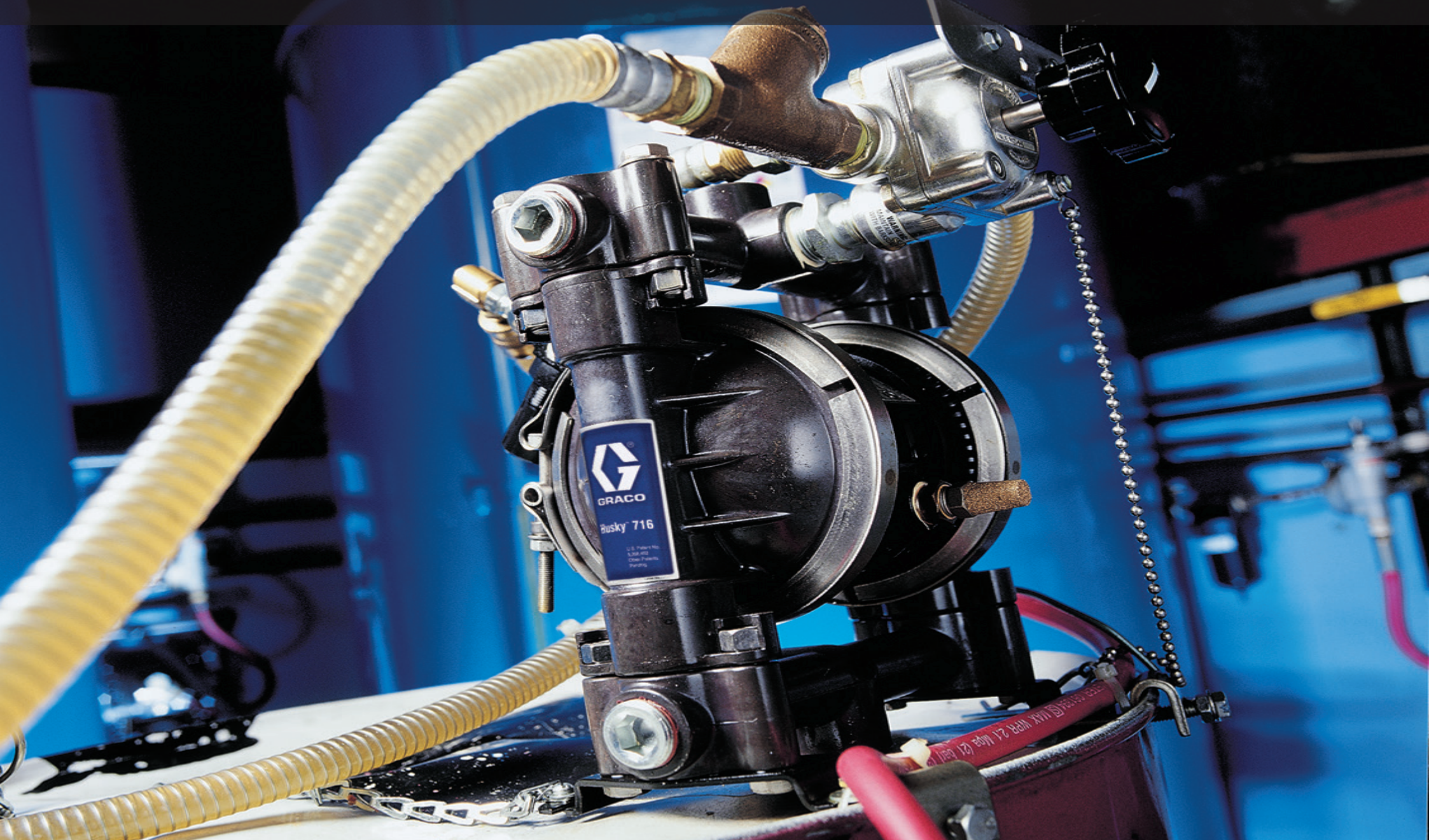

DEVICES

SYSTEM SUPPLY PRODUCT AND TRANSFER



DEVICES AND ACCESSORIES

PRESSURE TANKS



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FLOWMETERS



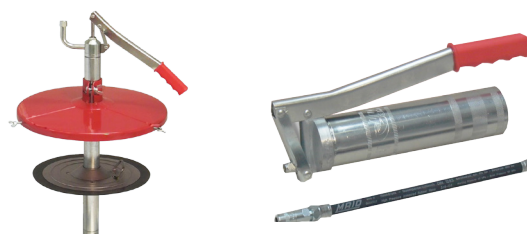
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PNEUMATIC PUMPS



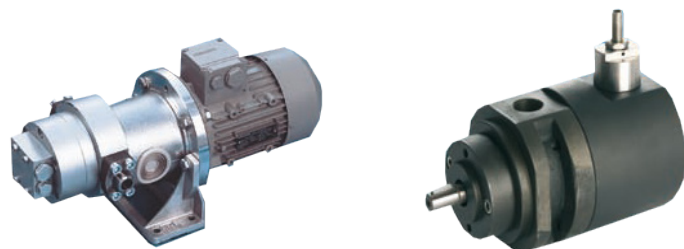
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MANUAL PUMPS



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GEAR PUMPS



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MATO MANUAL PUMP

PDS provides all the Mato lubricating device programs. Products like grease or hydraulic oil is handled through a system of intelligent pumps with accessories. The two most common models are the Eco-Fill filler and standard grease gun Lube-Shuttle®

FILLER STANDARD ECOFILL



Grease filler pumps with standard lid 3 side screw tightening, follower plate for grease NLGI 000-2 class. (Supplied without grease gun)

MODELS

ECOFILL 5-s for 5 kg bucket ø-int. 165 - 200 mm

ECOFILL 10-s for 10 kg bucket ø-int. 215 - 230 mm

ECOFILL 15-s for 15 kg, ø-int. 255 - 282 mm

ECOFILL 18/20-s for 18/20 kg bucket ø-int. 265 - 285 mm

ECOFILL 20-s for 20 kg, ø-int bucket 285 - 300 mm

ECOFILL 25-s for 25 kg, ø-int bucket 300 - 335 mm

ECOFILL 50-s for 50 kg, ø-int bucket 355 - 387 mm

- The most economical and simple solutions
- Easy grip for user
- Solid material that prevents leaks
- Long life and low maintenance
- Quantity to collect accurate
- Minimal waste of product
- Ergonomics for ease of movement

PUMP FOR GREASE LUBE - SHUTTLE®



Grease Cartridges Lube-Shuttle® system galvanized high quality steel. Ergonomic handle, ecological cardboard packaging. Operating pressure 400 bar high pressure up to 800 bar. TÜV approvals, DLG, BLT

MODELS

Lube-Shuttle® without accessories , thread R1/8»

Lube-Shuttle® with rigid connector E4024, thread R1/8»

Lube-Shuttle® with flexible PH-30C, thread R1/8»

Lube-Shuttle® with flexible RH-30C, thread R1/8»

- Opening of the cartridge without tools
- Fast and clean loading of the grease cartridge without opening the pump
- Control of the grease level and fast identification of the grease type without unscrewing the cartridge
- Maximum grease using with a functional follower piston
- Possible filling of empty cartridges with filler pumps ECOFILL type and the Lube-Shuttle® adapter

PNEUMATIC PUMP : DYNA - MITE (1 - 3KG)

SPECIFICATIONS

Maximum fluid pressure output	6,0 MPa (60 bars)
Air supply pressure range	243-700 kPa (2,4-7,0 bars)
Maximum viscosity of the product	600 000 cps
Stroke volume (distribution only on downstroke)	5 cc
Advised in continuous operation regime	40 cpm
Maximum pump speed recommended	60 cpm
Maximum flow (250,000 cps product)	940 cc/mn; Used air 0,162 m3/mn to 0,7 MPa (7 bars)
Race	19 mm
Maximum operating temperature	60° C
Air inlet	1/4 npt(f)
Product outlet	1/4 npt(f)
Weight	Approx. 8,4 kg
Parts in contact with the product	Stainless Steel 304 and 17-4 pH; PTFE, Viton,
Sound pressure at 0.7 MPa (7 bar) 40 cpm	64,12 dB(A)
Sound power at 0.7 MPa (7 bar) 40 cpm	70,84 d B(A)



PRESENTATION

The Dyna-Mite pump 190 designed by Graco is the perfect solution for your small quantity applications, like glue or sealant in a container from 1 to 3 liters. The installation of a pump allows you to apply these products through a distribution valve, either manual or automatic.

Its positive displacement process, operated by a priming piston facilitates the loading of a wide

range of very viscous or pasty fluids, used in the assembly of precision parts. The Dyna-Mite 190 pump is a compact, and lightweight pump that requires little work space and can easily adapt to a production line.

Made of stainless steel, the pump is quite solid and sturdy to withstand the toughest conditions in industrial work.

- Extrusions of viscous fluid from a 0.95 to 3.79 L pot
- Made of stainless steel. Compact and lightweight
- High precision fluid dispensing
- Robust design for the toughest conditions
- Glue
- Potting
- Encapsulants
- Greases
- Inks
- Dyes

PNEUMATIC PUMP : CHECK MATE (3 - 200KG)



■ Ground fixing



■ Pneumatic elevator

Serie	14:1 *	26:1	29:1	55:1 *	63:1 *	68:1 *
Volume per cycle	500 cc	500 cc	250 cc	250 cc	200 cc	200 cc
Flow rate of 60 cpm * l / min.	26,0	26,0	13,0	13,0	5,2	10,4
Max pressure product (bar)	96,5	179,3	200,0	379,2	310,3	356,5
Engine size	NXT 3400	NXT 6500	NXT 3400	NXT 6500	NXT 3400	NXT 6500
Air inlet (bar)	6,9	6,9	6,9	5,2	5,0	5,4
Line length	Jusqu'à 30,5 m	Jusqu'à 76 m	Jusqu'à 76 m	Jusqu'à 76 m	Jusqu'à 76 m	Jusqu'à 152 m
Annual consumption	Jusqu'à 9 072 kg	Jusqu'à 9 072 kg	Jusqu'à 9 072 kg	Jusqu'à 9 072 kg	Jusqu'à 9 072 kg	Jusqu'à 9 072 kg
Points distribution	1	1 à 2	4 ou plus	1 à 2	1 à 2	1 à 2

*The Check-Mate NTX Pump is available with ground fixing or pneumatic elevator

GREASE PUMP CHECK MATE

PDS provides the Check-Mate pumps, equipped with NXT technology that will boost your productivity. This system designed by Graco offers the best quality - price ratio, faster repairs and a longer lifespan.

Equipped with the Data Trak system, the control level is optimal and the stopping of the pump is automatical when there is no more product or when a flexible has broken. Thanks to a precise measure of output, the DataTrak system ensures quality control and eliminates

product loss. It monitors and displays the product usage level, the volume flow and also indicates the amount of product remaining in the drum.

The pump provides his own diagnosis for easy maintenance, monitoring and indicates when this must be done.

Its DataTrak system also permits the diagnosis of the bottom of the pump by indicating if the race is up or down.

- Delivers up to 26 kg of grease per minute
- Intuitive controls, providing pump running diagnostics to trace the product and schedule routine maintenance
- Durability - Results of the Check-Mate pumps have been tested through time and have been proven
- Reduces the noise - the new NXT air motor is up to 50% quieter than previous models
- Controls the lift and integrated pump, easy to use

SMARTWARE TECHNOLOGY

SPECIFICATIONS

Volume capacity	6 cc to 3,785 l
Precision	From 0,25 to 4 % depending of the product
Power requirements	110 or 220 VCA
Manual	3A0294



PRESENTATION

The metered dispensing kit SmartWare lets you turn your Graco pump into an economic and accurate metering system, allowing you to dispense a preset amount of product. It is a great alternative to manual methods such as mechanical counters, scales or custom systems and ensures more savings than fully automated systems.

The system guarantees accurate metering without flow meter, or gear flow meter in the fluid flow. Instead, a sensor detects the position of the pump so that the latter operates as a flow meter. The dispensed quantity is thus based on the pump size.

Compatible with DuraFlo or Check-Mate pumps equipped with technology and most Graco supply systems.

DataTrak Control
Protection - Pump diagnostics - Tracking

Local control module
Offer a sequential mode to deliver a series of varying doses - up to 14 different
The dispensing mode shows a single dose and indicates the quantity dispensed

Pressure sensor
Guarantees a precise distribution



- Metering a predetermined amount of product with your Graco pump
- An economical alternative to automatic systems
- The volumes of the discharge ranges are 6cm³ to 3785 liters (1000 gal)
- The accuracy of the ranges is from 0.25 to 4%, depending on the product and the size of the discharge
- Filling
- Cast
- Encapsulation
- Molding
- Batch

PNEUMATIC : HUSKY SERIE (+200KG)



Graco doesn't have limits when it comes to designing pumps that exceed your expectations. Air-Operated double diaphragm pumps are the optimal answer to the most diverse pumping problems. The diaphragm pumps are used for transfer, dispense or fluid mixture and allow the pumping of viscous, abrasive or corrosive products and also accept some liquids which contain particles. They will enable you to perform your transfers in a precise period of time and with maximum efficiency.

BENEFITS

Low internal volume reduces waste and makes clean-up easy

Patented pneumatic valve

Durable high precision and replaceable parts

Common exhaust port preventing vapors from attacking pneumatic motor seals

Outer building reinforced corrosion resistant, leak-proof

Concept of perfect sealing

High-strength washers thus preventing costly downtime

Long rod with excellent resistance to corrosion

Easy alignment

Wide range of seats and balls for excellent compatibility with your fluids

ACCESSOIRES HUSKY

■ CycleFlo remote

The CycleFlo is a microprocessor control system designed to computerize batch processing functions and dispensing of the Husky pumps which is remotely controllable. Built when the pumps are controlled remotely, the CycleFlo counts the pump strokes and measures the amount of product dispensed.

■ Anti - rams

The anti-ram reduces pressure spikes caused by the pumping diaphragm pumps. Placed at the entrance of the pump, the anti-rams compensate pressure fluctuations and acceleration loss that can lead to cavitation.

■ Leak detector

Designed to detect and prevent leakage on double diaphragm pumps, it retrieves the ejected product from the escapement when a diaphragm breaks. Two versions :

- Parties in polypropylene
- Parties in stainless steel product

■ Kit stop valve

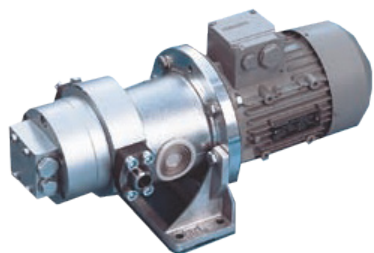
Prevents penetration of product into the leak detector of the pump station. The kit includes:
Pipe connection 1/4" (6.35 mm) x 1/8" closure sleeve, 3/4" (19.05 mm) in stainless steel, brass T sleeve without sleeve.

HUSKY SERIE : SPECIFICATIONS

	HUSKY 205	HUSKY 307	HUSKY 515	HUSKY 716	HUSKY 1050		HUSKY 1590		HUSKY 2150		HUSKY 3300	
matter	Plastique	Plastique	Plastique	Métal	Plastique	Métal	Plastique	Métal	Plastique	Métal	Plastique	Métal
dimension connections	6,3 mm	9,4 mm	12,7 and 19,1 mm	19,1 mm	25,4 mm	25,4 mm	38,1 mm	38,1 mm	50,8 mm	50,8 mm	76,2 mm	76,2 mm
Thread Type	NPT or BSP	NPT or BSP	NPT or BSP	NPT or BSP	Bride ANSI/DIN	NPT or BSP	Bride ANSI	NPT or BSP	Bride ANSI	NPT or BSP	DIN/ANSI	NPT and BSP DIN/ANSI
Air Valve	Standard distance	Standard	Standard distance	Standard distance	Standard, intelligent and à distance		Standard and à distance		Standard distance		Standard	Standard
Max speed	19 l/mn [5 gpm]	26 l/mn [7 gpm]	57 l/mn [15 gpm]	61 l/mn [16 gpm]	189 l/mn [50gpm]		379 l/mn [100 gpm]		568 l/mn [150 gpm]		1 059 l/mn [280 gpm]	1 135 l/mn [300 gpm]
Maximum pressure delivery	7,0bars [0,7 MPa, 100 psi]	7,0bars [0,7 MPa, 100 psi]	7,0bars [0,7 MPa, 100 psi]	7,0bars [0,7 MPa, 100 psi]	8,6 bars [0,9 MPa, 125 psi]		8,3 bars [0,8 MPa, 120 psi]		8,3 bars [0,8 MPa, 120 psi]		7 bars [0,7 MPa, 100 psi]	8,6 bars [0,9 MPa, 125 psi]
Available building materials	PP, PVDF, acetal	PP, acetal	PP, PVDF, acetal	Alu, SS 316	PP, PP conductor, PVDF	Aluminium, SS 316, Hastelloy	PP, PVDF	Aluminium, SS 316	PP, PVDF	Aluminium, SS 316, ductile iron	PP	Aluminium, SS 316
Available central section	PP	PP	PP	PP	PP and PP conducteur	Aluminium coated, PP and PP conducteur	Coated Aluminium, SS, 316		Aluminium revêtu, SS 316		PP	Aluminium, PP
Weight of the pump	0,9 kg PP	2,2 kg Acétal	2,9kg PP	3,9 kg Aluminium	8,2 kg PP	10,4 kg Aluminium	16 kg PP	15,2 kg Aluminium	22 kg PP	26,3 kg Aluminium	90,7 kg	68 kg Aluminium
	Max solids.	2,4 kg PP	3,5 kg Aceta	8,2 kg SS	11,8 kg PVDF	16,5 - 18,6 kg SS	22 kg PVDF	40 kg SS	31 kg PVDF	50,3 kg SS		115,6 kg SS
	1,3 kg PVDF		3,9 kg PVDF			18,6 kg Hastelloy				59 kg ductile iron		
	1,5 mm	1,6 mm	2,5 mm	2,5 mm	3,2 mm	3,2 mm	4,8 mm	4,8 mm	6,3 mm	6,3 mm	12,7 mm	12,7 mm

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GEAR PUMP : BEINLICH



	SERIE ZPA	SERIE ZPB	SERIE ZPD	SERIE ZPDA	SERIE ZPI
Type	Transfer pumps, lubrication and hydraulic	Transfer and lubrication pumps for highly viscous liquids	Dosing and transfer pumps	High precision dosing pumps	Transfer pumps, lubrication and hydraulic
Gears	External/Outer	External/Outer	External/Outer	External/Outer	
Displacement	0,1...2 600 cc/tr	0,1...900 cc/tr	0,1...2 600 cc/tr	0,1...26 cc/tr	1...207 cc/tr
Max pressure	200 bar	100 bar	200 bar	150 bar	100 Bar
Viscosity	10...1 000 cSt	10...1 000 000 cSt	1 000 000 cSt	10...150 000 cSt	10... 100 cSt
Temperature	-40...+120°C	-40...+120°C	-55...+400°C	-10...+200°C	-10...+200°C
Specificity	Cast iron or steel body	Connection to the intermediate plate	For dispensing applications	High accuracy	Extremely quiet operation

PRESENTATION

Beinlich gear pumps are declinables in several series, depending on the nature of the application (hydraulic, dosing, transfer, lubrication etc.). Thanks to the very precise adjustment of the play operation, it is possible to pump all types of liquids, from low to the high viscosity, and thus to ensure a minimum internal leakage.

Depending on the fluid, PDS offers you many types of materials for pump structure and strategic parts : cast iron, steel, stainless steel standard, steel 316L, Hastelloys, bronze, titanium etc. In parallel, there are also various

options for the treatment of parts : nickel, PTFE, DLC etc.

Sealing is an ongoing concern. Depending on the application, several options are available, from simple lip seal with magnetic coupling through the gland, the seal chamber, gasket mechanical contact.

For more demanding applications, many options are available, such as integrated flowmeter converter, tachometer, transmitters etc.

■ Applications areas:

- Hydraulic
- Skydrol
- Lubrication
- PU foams (polyols, TDI, MDI)
- Agri - Food
- Silicone
- Resins
- Vehicle fire
- Test bench
- Machine tools etc.

POSITIVE DISPLACEMENT FLOWMETER

SIZE	MEASURING RANGE		FACTOR K	
	l/min	GPM	Imp./l	Imp./Gal.
VS 0.02	0,002.....2	0,0005.....0,53	50 000	189 272
VS 0.04	0,004.....4	0,0011.....1,06	25 000	94 636
VS 0.1	0,01..... 10	0,0026..... 2,64	10 000	37 854,4
VS 0.2	0,02.....18	0,0053.....4,76	5 000	18 927,2
VS 0.4	0,03..... 40	0,0079.....10,57	2 500	9 463,6
VS 1	0,05..... 80	0,0132.....21,13	1 000	3 785,44
VS 2	0,1..... 120	0,0264.....31,70	500	1 892,72
VS 4	1..... 250	0,2642.....66,00	250	946,36
VS 10	1,5.....525	0,3963.....138,69	300	1 135,63



PRESENTATION REMARKS

■ Volumetric flowmeter series VS

Positive displacement flowmeters VS are devices able to measure the volumetric flow of liquids using the principle of sprockets.

Two perfectly calibrated sprockets take place in a cavity machined accurately. The rotation of the wheels is detected by a contactless sensor system. Each tooth generates a digital pulse. Hollow teeth, once prisoners of the cavity, are the measuring chambers. Thus, the liquid that flows is broken down into discrete volumes. Each discrete volume is a volume measurement per pulse [Vm] and its unit is cm³ / imp. It is used to set the size of the flowmeter.

■ VSI high-resolution systems

The preamplifier of VSI flowmeters delivers digital signal in high resolution.

Depending on the program selected, it is possible to appreciate an angular step divided by a factor between 4 and 64, a maximum frequency multiplier 16, and a K factor multiplied by 64. At full rate, the frequency maximum can reach 26 kHz.

REMARKS

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GRACO PRESSURE TANKS



MODEL (1.05 - 7bars)		8 LITER	19 LITER	38 LITER	57 LITER
Models with agitators	Height [cm]	66	77.5	88	113.2
	Weight [kg]	17	34	39	46
Models without agitators	Height [cm]	65.5	77.5	88	132.2
	Weight [kg]	14	30	35	42

A new optional air regulator kit gun can be added to all tanks.
All 19, 38, 57 l (5, 10 and 15 gallons) tanks are equipped with agitators reducers.

PRESENTATION

Pressure Pots are a crucial element of the finishing system and can be used in a variety of applications including:

Fluid Supply Systems for Air Spray or Feeding Other Equipment : They provide pulse-free, ultra-precise fluid delivery at low pressures and flow rates that are not reliably obtained with pumps and other equipment. This is ideal for customers that demand reliable, affordable and easy fluid delivery.

Sealed Reservoir for Moisture Sensitive or

Corrosive Materials : Store your catalyst and other moisture sensitive materials in our sealed pressure tanks to protect humidity sensitive materials. Pressure tanks are ideal for supplying 2K proportioners with resin or catalyst to ensure an effective and consistent sealing surface for your finishing operation.

Vacuum Tank: When you need to remove entrapped air from material for precision mixing, Graco pressure tanks provide a great degassing option to eliminate foam from your material to reduce surface defects and pitting .

- Heavy-duty gear-reduced agitator provides more power for high solids
- Improved access with a bottom outlet kit reduces material waste
- Polyethylene tank liners available for quick color change
- Stainless steel construction allows for use with all materials
- Inexpensive, flexible, and easily upgraded to add functionality compared to other systems

PVA PRESSURE TANKS

SPECIFICATIONS

Internal dimensions	13.33 x 29.84
External dimensions	20.32 x 35.56
Tank body	Black anodized aluminum
Joints	Teflon® encapsulated Viton® O-rings
Air pressure	01 07bars (0-105 PSI)
Air inlet	Metal quick assembly connection
Materials output	1/4" outside diameter tube compression body 3/8" outside diameter tube optional



PRESENTATION

The pressurized 1 liter tank designed PVA intended for small quantities have a significant contribution to the performance of the dispensing system.

To use it, remove the two threaded screws and lift the tank lid. Insert the container (as uncapped material) inside the tank and replace the cover on top of the pressure tank, ensuring that the dip tube is positioned inside.

Tighten both screws evenly, connect all the air lines feeding the pressure in the tank.

- Available in 1, 2 and 5 liters
- Air safety valve 70 psi
- Accepts bottled packaged materials
- Full opening
- Easy to use with UV and anaerobic materials

REMARKS

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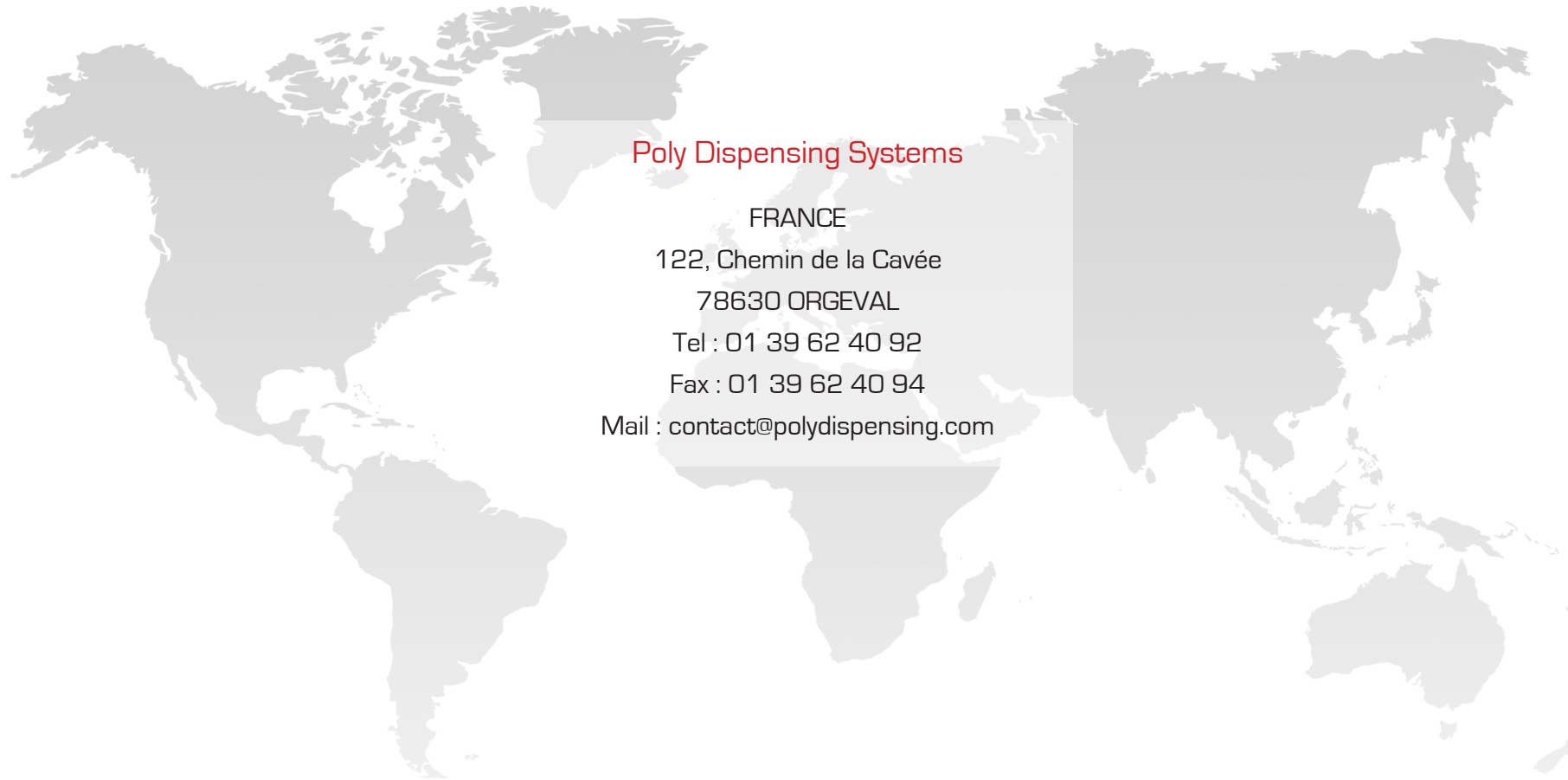
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Poly Dispensing Systems

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78630 ORGEVAL

Tel : 01 39 62 40 92

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Mail : contact@polydispensing.com

The fluid dispensing being the cornerstone of numerous production chains, PDS emphasis on this specific need by proposing a wide range of innovative and efficient dispensing equipments.

French leader on this area, it specialty is to design and implement solutions to put down and dispense every type of fluid in an accurate and repeatable way during the process of assembly. Thanks to it vast field of activity and application, no doubt that PDS will know how to resolve your most complex problems of deposit and brings you the suited recommendations to optimize your production's capacities.

Persuaded that our expertise must be complete, we also supply you tools in order to prepare your fluid (mixture and degassing) and polymerize your glues (UV sunstroke). Our range of consumables (needles, syringes, static mixers etc are also considered as the best in the market.

So we provide you every type of dispensing equipments to allow you to use efficiently your fluids regardless of the viscosity : glues, greases, lubricants, pastes, solvents, silicones, inks, activators, RTV, paints.

Present in more than 20 countries in the world, performance, quality, service and technology are at the center of all our concerns.

POLY DISPENSING SYSTEMS

SYSTEMES DE DOSAGE INDUSTRIEL