PRODUCT INFO

PUMPMASTER 35

SAMOA
LEADING THROUGH INNOVATION

PUMP MASTER 35
Lubrication Pumps

van der Gaag

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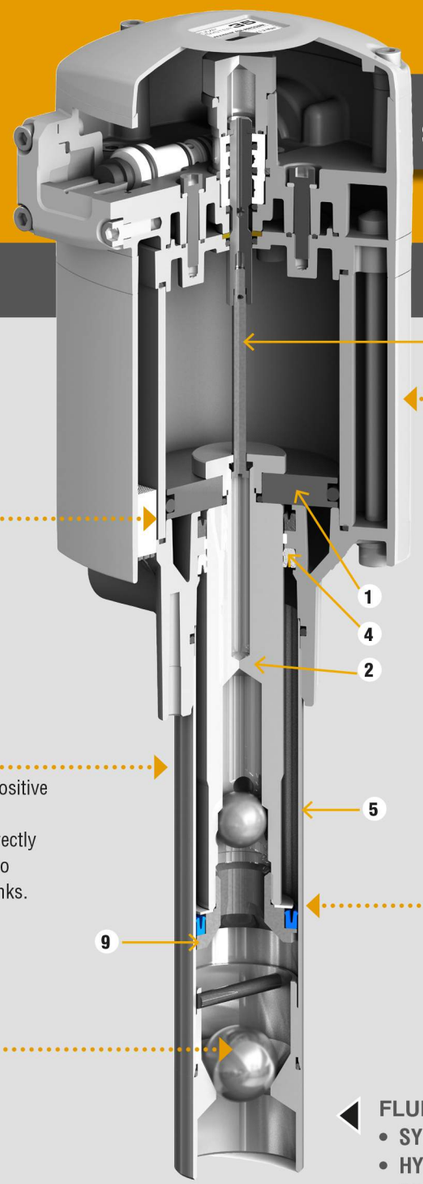
OIL PISTON PUMPS
DOUBLE BALL CHECK VALVE, CARBON STEEL

PUMPMASTER 35 Oil Series have been specifically designed to deliver through long delivery lines or to multiple dispensing points all types of synthetic and petroleum oils at continuous duty.

GREASE PISTON PUMPS
CHOP CHECK VALVE, CARBON STEEL

PUMPMASTER 35 Grease Series have been specifically designed to deliver high viscosity greases and viscous lubricants in medium length systems that include multiple outlets at continuous duty.

PM35 Oil pump ▶ **PM35 SERIES** **DESIGNED FOR** ▶ **EFFICIENCY RELIABILITY MAXIMUM PERFORMANCE** **IN** ▶ **HEAVY DUTY APPLICATIONS** ◀ **PM35 Grease pump**



O OIL

BUILT-IN, HIGH EFFICIENCY AIR EXHAUST SILENCER

STUB / UNIVERSAL OIL PUMPS
Double-Valve, stub pump tube, used for positive priming and pumping of all grades of oil. Extensions, rigid or flexible, that screw directly into the pump inlet valve allow the pump to accommodate different size drums and tanks.

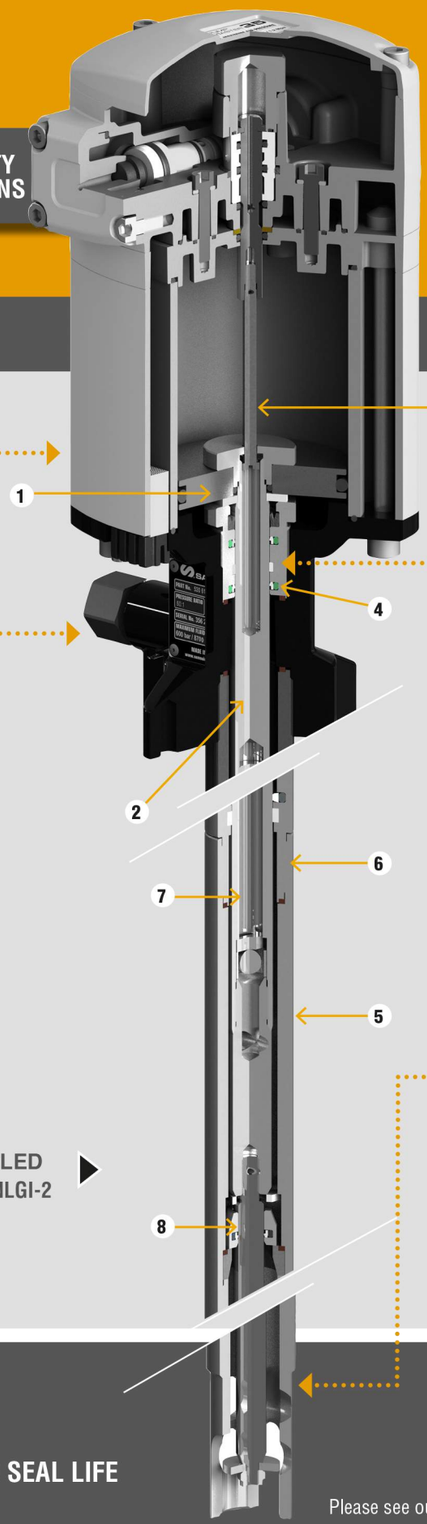
PUMP INLET VALVE
Ball-Check valve:
- Helps in positive priming
- Improves pumping efficiency
- Universal mount: 1 1/2” fluid inlet

PNEUMATIC AIR MOTORS
The compact air motors are actuated by a mechanically linked signal valve mounted on a trip rod (piston rod) which senses when the drive piston has reached an end-of-stroke. The signal valve then sends an instantaneous air signal to the main differential air distributing valve maintaining it in a stable fixed position. This supplies air to one piston side while evacuating the air of the other side, thus creating the fast reciprocating action of the air motor. This simple concept eliminates the possibility of stalling. Our time-tested pneumatic air motor only has three moving parts and no springs, which could fail or consume energy, and runs without external lubrication.

FLUIDS HANDLED
- SYNTHETIC AND MINERAL BASED OIL
- HYDRAULIC OIL
- GEAR LUBE
- TRANSMISSION FLUID

HIGH QUALITY MATERIALS
- Aluminum die-cast air motor with hard anodized aluminum cylinder.
- Lightweight drive piston **1**.
- High tensile hard-chrome plated steel on fluid plunger rod **2**.
- Stainless steel trip rod assembly **3**.
- Rubber-PTFE (grease) or polyurethane (oil) seal packings **4**.
- Cast iron outlet body in 60:1 grease and 8:1 oil pumps.
- Thick-wall polished tube **5**.
- Barrel **6**, piston **7** and prime valve **8** made of hardened, precision fitted, ground steel for perfect seal and long life of grease pumps.
- Piston **9** and inlet valves made of steel and polyurethane piston packing on oil pumps.

FLUIDS HANDLED
GREASE UP TO NLGI-2 ▶



G GREASE

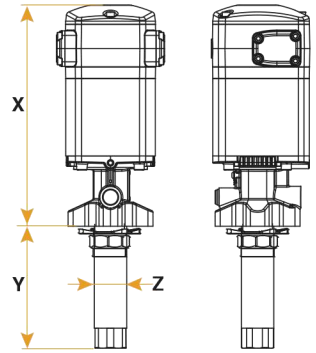
PUMP TOP GLAND SEAL
Our anti-corrosive, hardened, plunger and the cartridge packing arrangements are designed for low-friction, to minimize wear and maximize tightness and extend packing life on grease pumps.

PUMP INLET VALVE
Chop-Check priming valve for greases up to NLGI-2:
- Assists the entry of heavy and sticky grease
- Improves pumping efficiency

PM35 SERIES ▶
- REDUCED AIR CONSUMPTION
- NO STALLING
- REDUCED ICING
- DURABLE
- ROBUST
- LOW FRICTION
- ANTI-CORROSIVE
- SUPERIOR TIGHTNESS AND SEAL LIFE

Please see our general catalogue for kits and accessories.

TECHNICAL DATA



	PM35 OIL PUMPS	PM35 GREASE PUMPS
Air motor effective diameter	80 mm - 3.15”	
Piston stroke	80 mm - 3.15”	
Air inlet	3/8" BSP (F)	
Noise level @ 7 bar - 100 psi / 1 m – 3’	80 dB	
Air Motor and Pump Assembly construction	Flanged construction (for lubricants and non-corrosive fluids).	
Wetted materials	Hard chromed steel, Zinc plated steel, Polyurethane, NBR, Aluminum / Cast iron	Hard chromed steel, Zinc plated steel, PTFE, NBR, Cast iron.
Fluid outlet	1/2" BSP (F)	3/8" BSP (F)
Fluid inlet: Oil stub pumps	5:1, 1-1/2" BSP (F) 8:1, 1” BSP (F)	N/A
Drum length pumps	Ball-check inlet valve.	Immersed pump - Dynamic primer plate and Chop-check valve.

OIL PUMP MODELS

Part No.	Ratio	Description	Dimensions X-Y-Z	Max Air pressure	Max. Fluid pressure	Flow rate @ 80 cpm	Max. flow rate	Weight
535 530	5:1	Universal stub pump*	269-200-50 mm (10 1/2”-8”-2”)	12 bar (175 psi)	60 bar (875 psi)	12 l/min (3.2 gal/min)	30 l/min (8 gal/min)	5,6 kg (12.4 lb)
535 580	5:1	Universal stub pump	269-200-50 mm (10 1/2”-8”-2”)	12 bar (175 psi)	60 bar (875 psi)	12 l/min (3.2 gal/min)	30 l/min (8 gal/min)	5,3 kg (11.7 lb)
535 510	5:1	205 l (55 gal) drum*	269-925-50 mm (10 1/2”-36 1/2”-2”)	12 bar (175 psi)	60 bar (875 psi)	12 l/min (3.2 gal/min)	30 l/min (8 gal/min)	8 kg (17.6 lb)
535 830	8:1	Universal stub pump*	287-200-42 mm (11”-8”-1 2/3”)	12 bar (175 psi)	96 bar (1,400 psi)	7 l/min (1.9 gal/min)	17 l/min (4.5 gal/min)	6,8 kg (15 lb)
535 880	8:1	Universal stub pump	287-200-42 mm (11”-8”-1 2/3”)	12 bar (175 psi)	96 bar (1,400 psi)	7 l/min (1.9 gal/min)	17 l/min (4.5 gal/min)	6,4 kg (14 lb)
535 810	8:1	205 l (55 gal) drum*	287-925-42 mm (11”-8”-36 1/2”-1 2/3”)	12 bar (175 psi)	96 bar (1,400 psi)	7 l/min (1.9 gal/min)	17 l/min (4.5 gal/min)	8,3 kg (18.3 lb)

GREASE PUMP MODELS

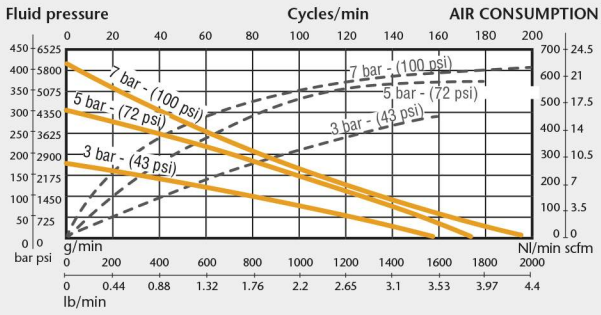
530 610	60:1	185 kg (400 lb) drum*	287-925-35 mm (11”- 36.4”-1.40”)	10 bar (145 psi)	600 bar (8,700 psi)	0,9 kg/min (2 lb/min)	4,5 lb/min (2 kg/min)	11 kg (24 lb)
530 620	60:1	50 kg (120 lb) keg*	287-730-35 mm (11”- 28.7”-1.40”)	10 bar (145 psi)	600 bar (8,700 psi)	0,9 kg/min (2 lb/min)	4,5 lb/min (2 kg/min)	10 kg (22 lb)
530 630	60:1	12,5 - 20 kg (40 lb) pail*	287-516-35 mm (11”- 20.3”-1.40”)	10 bar (145 psi)	600 bar (8,700 psi)	0,9 kg/min (2 lb/min)	4,5 lb/min (2 kg/min)	9 kg (20 lb)

** Provided with 2” (M) bung adaptor.*

CAPACITY CURVES

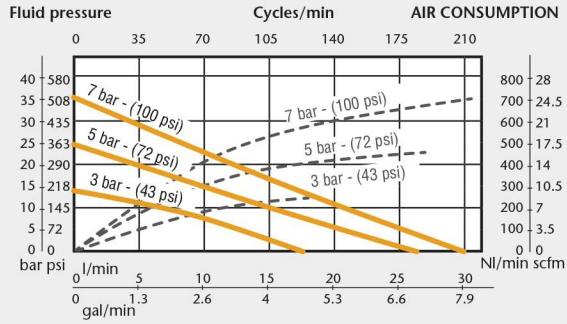
PM35 - 60:1 ratio grease pumps

NLGI-2, 21 ºC (70 ºF) CAPACITY CURVE



PM35 - 5:1 ratio oil pumps

SAE 10, 21 ºC (70 ºF) CAPACITY CURVE



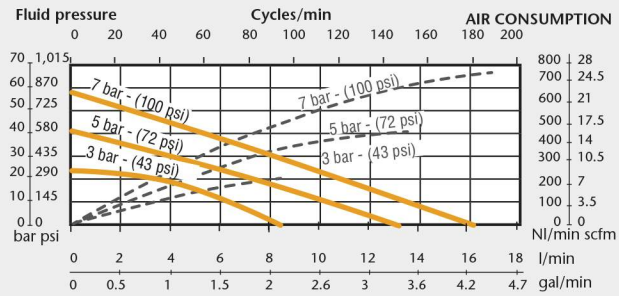
PM35-60:1
GREASE PUMP

PM35-5:1
OIL PUMP

PM35-8:1
OIL PUMP

PM35 - 8:1 ratio oil pump

SAE 10, 21 ºC (70 ºF) CAPACITY CURVE



R-04/17 · 1000 u. · Creator Silk 300 g/m²

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