

# YAMAGUCHI

PUMPS FOR LUBRICATION AND FUELING

2022



BRAZILIAN INDUSTRY

[www.yamaguchi.com.br](http://www.yamaguchi.com.br)



## YAMAGUCHI'S HISTORY

In 1936, Mr. Shigeyuki Yamaguchi arrived from Japan with his family to work in agriculture in Brazil. During his work on farms in Morro Agudo, country town of São Paulo state, Mr. Shigeyuki Yamaguchi noticed the lack of a solution for transferring diesel and pumps for lubrication. The company was founded in 1967 formed by the brothers Shigeyuki Yamaguchi and Sunao Yamaguchi and three products were developed to satisfy the need identified. The second generation of the family took over the management in 1976 coordinated by Mr. Mario Mitiyuki Yamaguti. During this new period, several new products were developed to meet the most varied usage situations of the customers. In the 80's, the industry expands its horizons to new ground and began the challenge of manufacturing service trailers and tank trailers for agricultural. Today, we supply to the entire nation and some South American countries a mix of products highly regarded in their functionalities.

## WHY CHOOSE YAMAGUCHI'S PRODUCTS?

Because we are 100% commitment to customer satisfaction through innovative products that solve their demands and a customer service to help all their needs. Our facilities have 11000 m<sup>2</sup> of built area, modern machines and all our electrical energy is green through usage of solar panels. Our productive waste is recycled or destined for its correct purpose. We are a Brazilian factory with the sole objective of serving our customers with mastery.

# YAMAGUCHI

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## What is grease?

Grease is the popular name given to compound or high viscosity pasty lubricants made from a combination of three essential components: base oil, thickener and additives.

The base oil makes up most of a grease and provides lubrication.

The thickener is the base that holds the oil or additives together. In other words, it acts in the same way as a sponge that holds water.

Grease additives and modifiers assign special properties or modify existing properties. The most common are: antioxidants, rust inhibitors, friction reducers, anti-wear agents and lubricity agents.

## What is it use?

Grease is used to prevent or reduce friction, wear, engine heating and protect machinery from corrosion, in addition to being essential for components that are in constant contact with each other, preventing future problems, such as noise and friction.

The grease provides a physical seal that prevents contamination from entering, resists the action of water washout, and can remain at the point of application even in vertically installed positions.

## What types?

There are 3 main types of grease each produced with a different thickener.

### Sodium based grease

It is a grease of firm consistency and with a lot of stability. These characteristics guarantee it good adhesion, sealing power and resistance to high temperatures – it can be used at temperatures up to 150°C. Even so, it is a non-water resistant grease and, therefore, over time it ends up losing a good part of its lubricating capacity.

It is mainly used in wheel and roller bearings and universal joints.

### Calcium based grease

Unlike the previous one, this type of grease has a much lower resistance to high temperatures, but, on the other hand, it ends up standing out for having greater resistance to water. In addition, it is a product of low manufacturing cost and easy application, which ends up winning over many manufacturers.

It is mainly used in water pumps, heavy vehicle springs, chassis and steel cables.

### Lithium based grease

This is resistant to high temperatures and water, as well as being very adherent to metal surfaces. Its only disadvantage compared to the others is that it cannot be used in the food industry, as it contains components that can be toxic when ingested.

It is used in industry, automobiles and aviation.

Finally, it is important that a good grease is selected according to the properties of its components such as the type of base oil, additives and viscosity. Therefore, always count on the help of a professional and the indications of the machinery when choosing the correct product.

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# PUMPS FOR GREASE



## MAIN FEATURES

**1 YEAR WARRANTY**

Ergonomic non-slip handle (Patent pending in Brazil) for maximum grip.

Durable gasketed sealing system grants low maintenance

Robust Aluminum die cast integrated lid and head

Strong High compression spring

Solid steel ball check valve insures reliability for years

Practical spatula for an easy and clean transfer

Functional Intake filter (Patent in Brazil) blocks impurities and prevents clogging

Efficient follower plate removes 100% of the grease from the bucket wall avoiding waste.

Sturdy bucket with reinforced bottom, resistance for heavy work

### Capacities:

**4.40 lbs (2 Kg) - 8.81 lbs (4 Kg) - 15.43 lbs (7 Kg) - 26.45 lbs (12 Kg)**

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B209.0001

MODEL 209



DESCRIPTION

Manual grease pump with ergonomic non-slip handle (Patent pending in Brazil), Aluminum die cast integrated lid and head, lever with rubber handle, bucket with reinforced bottom, steel ball check valve, intake filter (Patent in Brazil), follower plate with high compression spring, hose with steel mesh for high pressure, rigid extension, coupler and practical spatula.

TEC. INFORMATION

Flow rate: 0.35 oz/cycle (10 g/cycle)  
 Capacity: 15.43 lbs (7 Kg)  
 Weight: 9.11 lbs (4.13Kg)  
 Product dimensions: 18.90" (L) x 8.27" (W) x 17.72" (H)  
 (480mm (L) x 210mm (W) x 450mm (H))

MODEL 211



DESCRIPTION

Manual grease pump with ergonomic non-slip handle (Patent pending in Brazil), Aluminum die cast integrated lid and head, lever with rubber handle, bucket with reinforced bottom, steel ball check valve, intake filter (Patent in Brazil), follower plate with high compression spring, hose with steel mesh for high pressure, rigid extension, coupler and practical spatula.

TEC. INFORMATION

Flow rate: 0.35 oz/cycle (10 g/cycle)  
 Capacity: 8.81 lbs (4 Kg)  
 Weight: 8.05 lbs (3.65Kg)  
 Product dimensions: 18.90" (L) x 8.27" (W) x 14.37" (H)  
 (480mm (L) x 210mm (W) x 365mm (H))

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B211.0001

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B212.0001

### MODEL 212



#### DESCRIPTION

Manual grease pump with ergonomic non-slip handle (Patent pending in Brazil), Aluminum die cast integrated lid and head, lever with rubber handle, bucket with reinforced bottom, steel ball check valve, intake filter (Patent in Brazil), follower plate with high compression spring, hose with steel mesh for high pressure, rigid extension, coupler and practical spatula.

#### TEC. INFORMATION

Flow rate: 0.35 oz/cycle (10 g/cycle)  
 Capacity: 4.40 lbs (2 Kg)  
 Weight: 7.34 lbs (3.33Kg)  
 Product dimensions: 18.90" (L) x 8.27" (W) x 12.99" (H)  
 (480mm (L) x 210mm (W) x 330mm (H))

### MODEL 210



#### DESCRIPTION

Manual grease pump with ergonomic non-slip handle (Patent pending in Brazil), Aluminum die cast integrated lid and head, lever with rubber handle, bucket with reinforced bottom, steel ball check valve, intake filter (Patent in Brazil), follower plate with high compression spring, hose with steel mesh for high pressure, rigid extension, coupler and practical spatula.

#### TEC. INFORMATION

Flow rate: 0.35 oz/cycle (10 g/cycle)  
 Capacity: 26.45 lbs (12 Kg)  
 Weight: 11.27 lbs (5.11Kg)  
 Product dimensions: 18.90" (L) x 8.27" (W) x 23.43" (H)  
 (480mm (L) x 210mm (W) x 595mm (H))



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B202.0001

## MODEL 202



## DESCRIPTION

Manual grease pump adaptable for 5 gallon (20 Kg/18 Kg) grease pail with ergonomic non-slip handle (Patent pending in Brazil), Aluminum die cast head, steel lid, lever with rubber handle, intake filter (Patent in Brazil), steel valve, follower plate with high compression spring, hose with steel mesh for high pressure and practical spatula.

## TEC. INFORMATION

Flow rate: 0.35 oz/cycle (10 g/cycle)

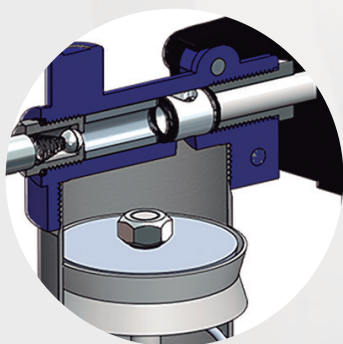
Weight: 8.49 lbs (3.85Kg)

Product dimensions: 12.60" (L) x 12.60" (W) x 24.41" (H) (320mm (L) x 320mm (W) x 620mm (H))

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**MAIN FEATURES**

**MODEL 206**



### **INTERNAL MECHANISM**

(PATENT PENDING IN BRAZIL)  
EXCLUSIVE REPAIR KIT FOR  
KEEPING IT GOOD AS NEW.



### **INTEGRATED SCRAPER**

(PATENT PENDING IN BRAZIL) CLEANS THE  
BARREL AFTER REFILLING IT WITH JUST ONE MOVE



### **ANATOMICAL TRIGGER**

PROVIDES EXCELLENT GRIP

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B205.0001

## MODEL 205



### DESCRIPTION

Lever grease gun with steel barrel, rigid extension, coupler, high pressure, integrated scraper for cleaning the barrel after refilling it and exclusive repair kit for keeping it as new. Optional: flexible extension.

### TEC. INFORMATION

Flow rate: 0.035 oz/cycle (1 g/cycle)  
 Capacity: 1.10 lbs (500 g)  
 Weight: 2.93 lbs (1.33Kg)  
 Product dimensions: 5.51" (L) x 3.35" (W) x 13.98" (H)  
 (140mm (L) x 85mm (W) x 355mm (H))

## MODEL 206



### DESCRIPTION

Pistol grip grease gun with steel barrel, flexible extension, coupler, integrated scraper for cleaning the barrel after refilling it and exclusive repair kit for keeping it as new. Optional: rigid extension.

### TEC. INFORMATION

Flow rate: 0.035 oz/cycle (1 g/cycle)  
 Capacity: 1.10 lbs (500 g)  
 Weight: 3.15 lbs (1.43Kg)  
 Product dimensions: 7.28" (L) x 3.35" (W) x 12.99" (H)  
 (185mm (L) x 85mm (W) x 330mm (H))

B206.0002

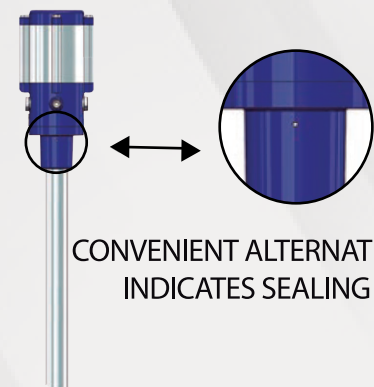
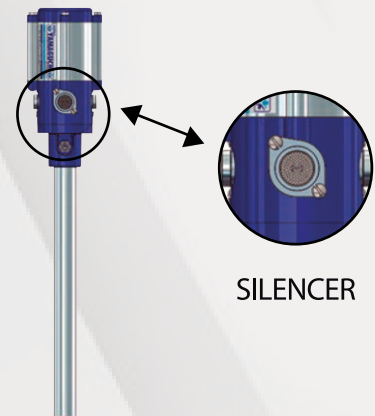
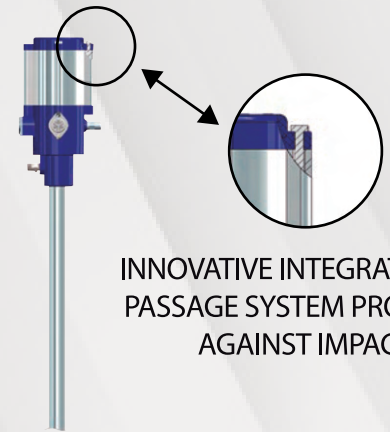
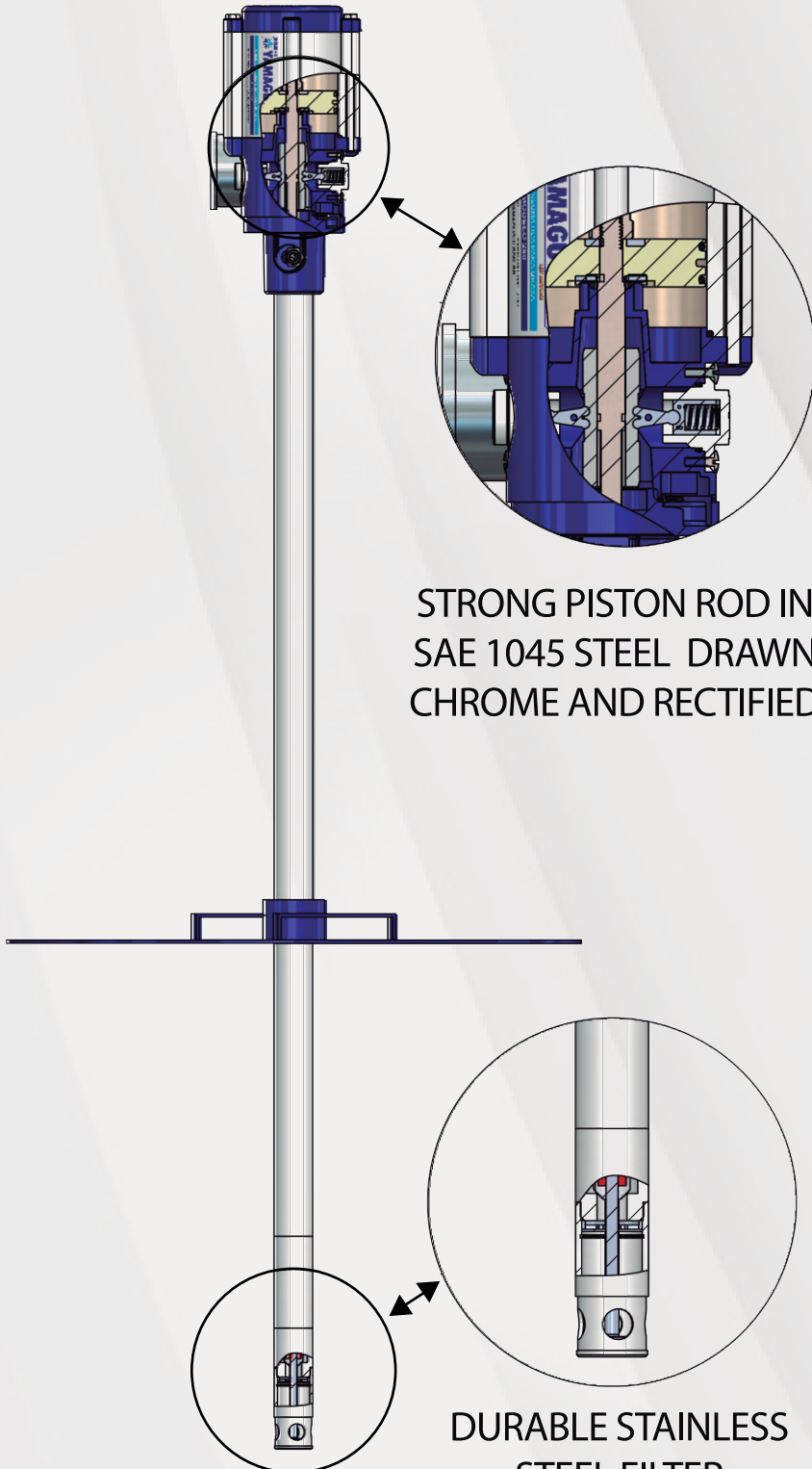
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### MAIN FEATURES

#### Pneumatic pumps

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PRACTICAL AUTO LUBRIFICATION SYSTEM, NO NEED FOR AN AIR

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B280.0001

## MODEL 280



### DESCRIPTION

Pneumatic grease pump adaptable for 420 lbs (200 Kg) grease drum with steel lid and follower plate.

### TEC. INFORMATION

Flow rate: 17.63 oz/min at 87psi (500g/min at 6 bar)  
 Ratio: 50:1  
 Recommended working air pressure: 72.5 psi (5 bar)  
 Air Operation Range: 43.5-116 psi (3-8 bar)  
 Maximum grease pressure: 6000 psi (413.6 bar)  
 Air consumption: 400 L/min at 8bar  
 Air inlet size: 1/4" NPT  
 Grease outlet size: 1/2"- 27  
 Recommended air inlet hose: 1/4" NTP PT500  
 Recommended grease outlet hose: 1/4" SAE 100R2AT 19.68 ft (6 m)  
 Weight: 21.83 lbs (9.9Kg)  
 Product dimensions: 5.12" (L) x 4.92" (W) x 49.61" (H)  
 (130mm (L) x 125mm (W) x 1260mm (H))

## MODEL 280 WITH TROLLEY



### DESCRIPTION

Pneumatic grease pump adaptable for 420 lbs (200 Kg) grease drum with steel lid, follower plate and trolley.

### TEC. INFORMATION

Flow rate: 17.63 oz/min at 87psi (500g/min at 6 bar)  
 Ratio: 50:1  
 Recommended working air pressure: 72.5 psi (5 bar)  
 Air Operation Range: 43.5-116 psi (3-8 bar)  
 Maximum grease pressure: 6000 psi (413.6 bar)  
 Air consumption: 400 L/min at 8bar  
 Air inlet size: 1/4" NPT  
 Grease outlet size: 1/2"- 27  
 Recommended air inlet hose: 1/4" NTP PT500  
 Recommended grease outlet hose: 1/4" SAE 100R2AT 19.68 ft (6 m)  
 Weight: 71.52 lbs (32.44Kg)  
 Product dimensions: 33.39" (L) x 28.15" (W) x 50.83" (H)  
 (848mm (L) x 715mm (W) x 1291mm (H))

B280.0005

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B281.0001

### MODEL 281 WITH TROLLEY



#### DESCRIPTION

Pneumatic grease pump adaptable for 5 gallon (20 Kg) grease pail with follower plate.

#### TEC. INFORMATION

Flow rate: 17.63 oz/min at 87psi (500g/min at 6 bar)  
 Ratio: 50:1  
 Recommended working air pressure: 72.5 psi (5 bar)  
 Air Operation Range: 43.5-116 psi (3-8 bar)  
 Maximum grease pressure: 6000 psi (413.6 bar)  
 Air consumption: 400 L/min at 8bar  
 Air inlet size: 1/4" NPT  
 Grease outlet size: 1/2"- 27  
 Recommended air inlet hose: 1/4" NTP PT500  
 Recommended grease outlet hose: 1/4" SAE 100R2AT 19.68 ft (6 m)  
 Weight: 26.83 lbs (12.17Kg)  
 Product dimensions: 16.93" (L) x 16.54" (W) x 34.45" (H)  
 (430mm (L) x 420mm (W) x 875mm (H))

### MODEL 281



#### DESCRIPTION

Pneumatic grease pump with 44 lbs (20 Kg) reservoir, follower plate and practical spatula.

#### TEC. INFORMATION

Flow rate: 17.63 oz/min at 87psi (500g/min at 6 bar)  
 Ratio: 50:1  
 Recommended working air pressure: 72.5 psi (5 bar)  
 Air Operation Range: 43.5-116 psi (3-8 bar)  
 Maximum grease pressure: 6000 psi (413.6 bar)  
 Air consumption: 400 L/min at 8bar  
 Air inlet size: 1/4" NPT  
 Grease outlet size: 1/2"- 27  
 Recommended air inlet hose: 1/4" NTP PT500  
 Recommended grease outlet hose: 1/4" SAE 100R2AT 19.68 ft (6 m)  
 Weight: 33.86 lbs (15.36Kg)  
 Product dimensions: 15.75" (L) x 16.54" (W) x 32.28" (H) (400mm (L) x 420mm (W) x 820mm (H))

B281.0007

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B282.0001

MODEL 282



DESCRIPTION

Pneumatic grease pump with 110.23 lbs (50 Kg) reservoir, follower plate and practical spatula.

TEC. INFORMATION

Flow rate: 17.63 oz/min at 87psi (500g/min at 6 bar)  
 Ratio: 50:1  
 Recommended working air pressure: 72.5 psi (5 bar)  
 Air Operation Range: 43.5-116 psi (3-8 bar)  
 Maximum grease pressure: 6000 psi (413.6 bar)  
 Air consumption: 400 L/min at 8bar  
 Air inlet size: 1/4" NPT  
 Grease outlet size: 1/2"- 27  
 Recommended air inlet hose: 1/4" NTP PT500  
 Recommended grease outlet hose: 1/4" SAE 100R2AT 19.68 ft (6 m)  
 Weight: 44.53 lbs (20.2Kg)  
 Product dimensions: 15.75" (L) x 16.54" (W) x 41.34" (H)  
 (400mm (L) x 420mm (W) x 1050mm (H))

MODEL 284



DESCRIPTION

Pneumatic grease pump with 26,455 lbs (12 Kg) reservoir, follower plate and practical spatula.

TEC. INFORMATION

Flow rate: 17.63 oz/min at 87psi (500g/min at 6 bar)  
 Ratio: 50:1  
 Recommended working air pressure: 72.5 psi (5 bar)  
 Air Operation Range: 43.5-116 psi (3-8 bar)  
 Maximum grease pressure: 6000 psi (413.6 bar)  
 Air consumption: 400 L/min at 8bar  
 Air inlet size: 1/4" NPT  
 Grease outlet size: 1/2"- 27  
 Recommended air inlet hose: 1/4" NTP PT500  
 Recommended grease outlet hose: 1/4" SAE 100R2AT 19.68 ft (6 m)  
 Weight: 22.85 lbs (10.365Kg)  
 Product dimensions: 10.43" (L) x 8.66" (W) x 31.30" (H)  
 (265mm (L) x 220mm (W) x 795mm (H))

B284.0001

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## What is lubricating oil?

Lubricating oil is a substance used to reduce noise, heat and wear, lubricating and extending the life of moving components.

Lubricating oils can be of animal or vegetable origin (grease oils), petroleum derivatives (mineral oils) or produced in the laboratory (synthetic oils) and may also consist of a mixture of two or more types (compound oils).

## What is additive?

To confer, remove or improve certain special properties of lubricants, chemicals are added to lubricating oils, which are called additives.

The main types of additives are: anticorrosives, antiperspirants, detergent/dispersant, metal conditioners, Viscosity Index improvers, extreme pressure agents, etc.

## What is SAE?

It is a classification established by the SAE - Society of Automotive Engineers of the United States in relation to its viscosity. The higher this number, the more viscous the lubricant. Basically, they can be subdivided into:

**Monoviscous oils: SAE 20, 30, 40, 50, 60;**

**Multi-viscous oils: SAE 20W-40, 20W-50, 15W-50.**

**Note: the letter "W" comes from winter.**

Basically, multi-viscous oils have a lower viscosity at starting temperature and a higher viscosity at service temperature (100°C). Depending on the design specifications related to the tolerances of the mechanical set and the climate of the region in which the vehicle will travel, form the main parameters for the definition of the appropriate lubricant(s) for use.

Thus, an SAE 20W-40 multi-viscous oil will behave like a 20 oil at room temperature, reducing wear when starting the engine while it is still cold, and at service temperature it will behave like an SAE 40 oil.





# PUMPS FOR LUBRICATING OIL



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B103.0001

### MODEL 103



#### DESCRIPTION

Hand crank pump with 8.2 ft (2.5 m) hose and metal nozzle. Supports lubricating oil up to SAE 140.

#### TEC. INFORMATION

Capacity: 4.75 gal (18 L)  
 Flow rate: 8.45 oz/cycle (250 ml/cycle)  
 Weight: 15.67 lbs (7.11Kg)  
 Product dimensions: 13.98" (L) x 11.81" (W) x 27.56" (H)  
 (355mm (L) x 300mm (W) x 700mm (H))

### MODEL 106



#### DESCRIPTION

Hand crank pump with 8.2 ft (2.5 m) hose and metal nozzle. Supports lubricating oil up to SAE 140.

#### TEC. INFORMATION

Capacity: 3.17 gal (12 L)  
 Flow rate: 8.45 oz/cycle (250 ml/cycle)  
 Weight: 13.34 lbs (6.05Kg)  
 Product dimensions: 13.78" (L) x 11.81" (W) x 21.46" (H)  
 (350mm (L) x 300mm (W) x 545mm (H))

L



B106.0001

L



B101.0001

MODEL 101



DESCRIPTION

Manual pump adaptable for 5 gallon (20 L) pail with 8.2 ft (2.5 m) hose and metal nozzle.

Inf. Técnicas

Flow rate: 5 oz/cycle (150 ml/cycle) 20W40  
 Weight: 2.43 lbs (1.1Kg)  
 Product dimensions: 4.33" (L) x 2.17" (W) x 16.14" (H)  
 (110mm (L) x 55mm (W) x 410mm (H))

MODEL 102



DESCRIPTION

Manual pump adaptable for 55 gallon (200 L) drum with 8.2 ft (2.5 m) hose and metal nozzle.

TEC. INFORMATION

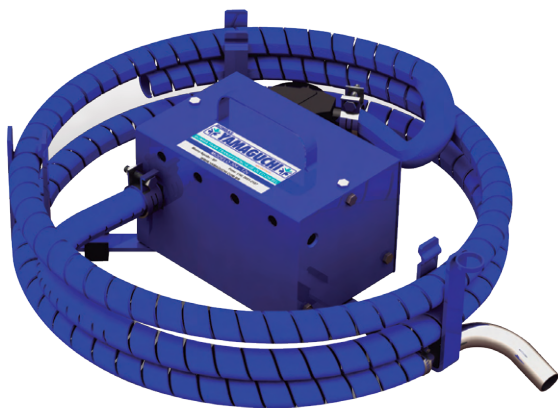
Flow rate: 8.45 oz/cycle (250 ml/cycle)  
 Weight: 5.86 lbs (2.66Kg)  
 Product dimensions: 5.51" (L) x 3.94" (W) x 43.31" (H)  
 (140mm (L) x 100mm (W) x 1100mm (H))

B102.0001



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L



B104.0001

### MODEL 104



#### DESCRIPTION

Electric gear pump 12V DC self-priming with on/off switch and fuse, 9.84 ft (3 m) outlet hose and 6.56 ft (2 m) inlet hose, integrated hose holder, filter and metal nozzle.

#### TEC. INFORMATION

Flow rate:  
 5.28 gal/min (20 L/min) 20W40 and SAE 90  
 4.75 gal/min (18 L/min) SAE 140  
 Weight: 25.49 lbs (11.56Kg)  
 Product dimensions: 19.69" (L) x 17.72" (W) x 7.87" (H)  
 (500mm (L) x 450mm (W) x 200mm (H))

### MODEL 105



L

#### DESCRIPTION

Electric gear pump 110 V AC or 240 V AC self-priming with on/off switch and fuse, 9.84 ft (3 m) outlet hose and 6.56 ft (2 m) inlet hose, filter and metal nozzle.

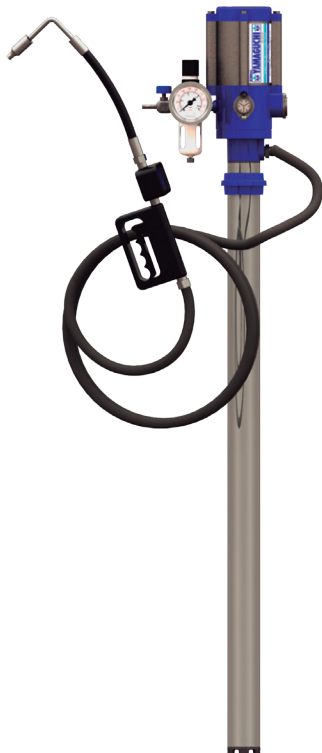
#### TEC. INFORMATION

Flow rate:  
 5.54 gal/min (21 L/min) 20W40 and SAE 90  
 5 gal/min (19 L/min) SAE 140  
 Weight: 37.99 lbs (17.23Kg)  
 Product dimensions: 14.57" (L) x 9.45" (W) x 8.27" (H)  
 (370mm (L) x 240mm (W) x 210mm (H))



B105.0001

L



B180.0001

MODEL 180



DESCRIPTION

Pneumatic pump for lubricating oil adaptable for 55 gallon(200 L) drum.

TEC. INFORMATION

Flow rate: 2.37 gal/min at 70 psi (9L/min at 4.8 bar)  
 Ratio: 3:1  
 Air operation range: 43-120 psi (3-8 bar)  
 Recommended working air pressure: 70 psi (4.8 bar)  
 Maximum oil pressure: 600 psi (41.3 bar)  
 Air consumption: 400 L/min at 8bar  
 Air inlet size: 1/4" NPT  
 Oil outlet size: 3/8" NPT  
 Recommended hose: 19.68 ft (6 m) 1/2" SAE 100 R1AT  
 Weight: 23.66 lbs (10.73Kg)  
 Product dimensions: 5.12" (L) x 4.92" (W) x 45.87" (H)  
 (130mm (L) x 125mm (W) x 1165mm (H))

MODEL 180 WITH TROLLEY



DESCRIPTION

Pneumatic pump for lubricating oil adaptable for 55 gallon(200 L) drum with trolley.

TEC. INFORMATION

Flow rate: 2.37 gal/min at 70 psi (9L/min at 4.8 bar)  
 Ratio: 3:1  
 Air operation range: 43-120 psi (3-8 bar)  
 Recommended working air pressure: 70 psi (4.8 bar)  
 Maximum oil pressure: 600 psi (41.3 bar)  
 Air consumption: 400 L/min at 8bar  
 Air inlet size: 1/4" NPT  
 Oil outlet size: 3/8" NPT  
 Recommended hose: 19.68 ft (6 m) 1/2" SAE 100 R1AT  
 Weight: 57.25 lbs (25.97Kg)  
 Product dimensions: 33.39" (L) x 28.15" (W) x 50.83" (H)  
 (848mm (L) x 715mm (W) x 1291mm (H))

L



B180.0005

L



B107.0001

### MODEL 107



#### DESCRIPTION

Suction gun for lubricating oil with 11.81" (30 cm) hose.

#### TEC. INFORMATION

Capacity: 16.90 oz (500 ml)  
Weight: 2.87 lbs (1.3Kg)  
Product dimensions: 2.56" (L) x 2.56" (W) x 12.99" (H)  
(65mm (L) x 65mm (W) x 330mm (H))

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# PUMPS FOR DIESEL



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B303.0001

### MODEL 303



#### DESCRIPTION

Electric pump 12 V DC adaptable for 55 gallon (200 L) drum with on/off switch, reinforced engine cover made of Nylon, 8.2 ft (2.5 m) hose and metal nozzle.

#### TEC. INFORMATION

Flow rate: 11.88 gal/min (45L/min)  
 Weight: 7.25 lbs (3.29Kg)  
 Product dimensions: 8.07" (L) x 4.72" (W) x 40.55" (H)  
 (205mm (L) x 120mm (W) x 1030mm (H))

### MODEL 303 WITH FILTER



#### DESCRIPTION

Electric pump 12 V DC adaptable for for 55 gallon (200 L) drum with filter, on/off switch, reinforced engine cover, 8.2 ft (2.5 m) hose, filter and metal nozzle.

#### TEC. INFORMATION

Flow rate: 10.56 gal/min (40L/min)  
 Weight: 7.61 lbs (3.45Kg)  
 Product dimensions: 9.84" (L) x 4.72" (W) x 40.55" (H)  
 (250mm (L) x 120mm (W) x 1030mm (H))

D



B303.0002



D



B310.0001

## MODELO 310



### DESCRIPTION

Electric pump 12 V DC adaptable for for 55 gallon (200 L) drum with on/off switch, reinforced engine cover made of PS, 3/4" 8.2 ft (2.5 m) hose and metal nozzle.

### TEC. INFORMATION

Flow rate: 7.92 gal/min (30L/min)  
 Weight: 5.56 lbs (2.52Kg)  
 Product dimensions: 8.07" (L) x 4.72" (W) x 40.55" (H)  
 (205mm (L) x 120mm (W) x 1030mm (H))

## MODEL 310 WITH FILTER



### DESCRIPTION

Electric pump 12 V DC adaptable for for 55 gallon (200 L) drum with on/off switch, reinforced engine cover made of PS, 3/4" 8.2 ft (2.5 m) hose, filter and metal nozzle.

### TEC. INFORMATION

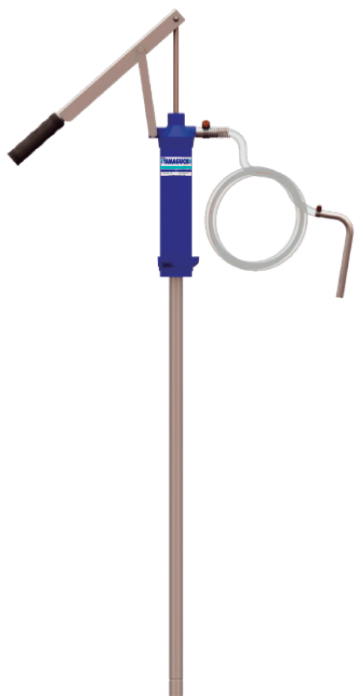
Flow rate: 7.13 gal/min (27L/min)  
 Weight: 5.93 lbs (2.69Kg)  
 Product dimensions: 9.84" (L) x 4.72" (W) x 40.55" (H)  
 (250mm (L) x 120mm (W) x 1030mm (H))

B310.0002



D

D



B305.0001

### MODEL 305



#### DESCRIPTION

Manual pump made of cast iron for 55 gallon (200 L) with 8.2 ft (2.5 m) hose and metal nozzle.

#### TEC. INFORMATION

Flow rate: 13.52 oz/cycle (400 ml/cycle)  
 Weight: 6.97 lbs (3.16Kg)  
 Product dimensions: 7.87" (L) x 2.95" (W) x 51.77" (H)  
 (200mm (L) x 75mm (W) x 1315mm (H))

### MODEL 304



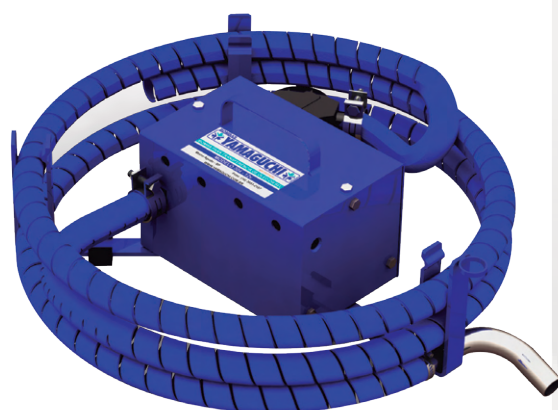
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#### DESCRIPTION

Electric gear pump 12 V DC or 24 V DC, self-priming with on/off switch and fuse, 9.84 ft (3 m) outlet hose and 6.56 ft (2 m) inlet hose, integrated hose holder, filter and metal nozzle.

#### TEC. INFORMATION

Flow rate: 6.60 gal/min (25L/min)  
 Weight: 15.76 lbs (7.15Kg)  
 Product dimensions: 18.31" (L) x 16.73" (W) x 7.28" (H)  
 (465mm (L) x 425mm (W) x 185mm (H))



B304.0001

D



B306.0001

MODEL 306



DESCRIPTION

Electric gear pump 12V DC self-priming with on/off switch and fuse, 9.84 ft (3 m) outlet hose and 6.56 ft (2 m) inlet hose, integrated hose holder, filter, bypass valve and fuel nozzle.

TEC. INFORMATION

Flow rate: 11.35 gal/min (43L/min)  
 Weight: 24.27 lbs (11.01Kg)  
 Product dimensions: 21.26" (L) x 16.73" (W) x 7.28" (H) (540mm (L) x 425mm (W) x 185mm (H))

MODEL 306 WITH METER IN LITERS



DESCRIPTION

Electric gear pump 12V DC self-priming with on/off switch and fuse, 9.84 ft (3 m) outlet hose and 6.56 ft (2 m) inlet hose, integrated hose holder, filter, meter in liters, bypass valve and fuel nozzle.

TEC. INFORMATION

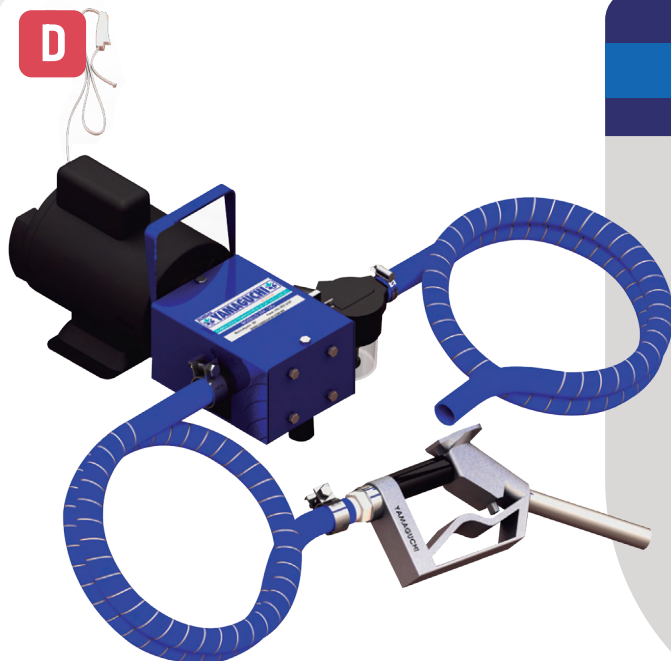
Flow rate: 10.56 gal/min (40L/min)  
 Weight: 29.23 lbs (13.26Kg)  
 Product dimensions: 22.24" (L) x 21.26" (W) x 7.28" (H) (565mm (L) x 540mm (W) x 185mm (H))

B306.0002

D



D



B307.0002

### MODEL 307



#### DESCRIPTION

Electric gear pump 110 V AC or 220 V AC self-priming with on/off switch and fuse, 9.84 ft (3 m) outlet hose and 6.56 ft (2 m) inlet hose, filter, bypass valve and fuel nozzle.

#### TEC. INFORMATION

Flow rate: 13.20 gal/min (50L/min)  
 Weight: 31.68 lbs (14.37Kg)  
 Product dimensions: 15.75" (L) x 10.04" (W) x 8.46" (H)  
 (400mm (L) x 255mm (W) x 215mm (H))

### MODEL 307 WITH METER IN LITERS



D

#### DESCRIPTION

Electric gear pump 120 V AC or 220 V AC self-priming with on/off switch and fuse, 9.84 ft (3 m) outlet hose and 6.56 ft (2 m) inlet hose, filter, meter in liters, bypass valve and fuel nozzle.

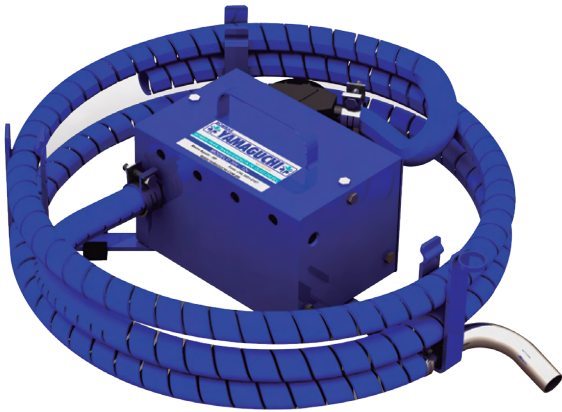
#### TEC. INFORMATION

Flow rate: 12.41 gal/min (47L/min)  
 Weight: 36.95 lbs (16.76Kg)  
 Product dimensions: 15.75" (L) x 11.42" (W) x 8.46" (H)  
 (400mm (L) x 290mm (W) x 215mm (H))



B307.0001

D



B308.0001

MODEL 308



DESCRIPTION

Electric gear pump 12V DC self-priming with on/off switch and fuse, 9.84 ft (3 m) outlet hose and 6.56 ft (2 m) inlet hose, integrated hose holder, filter and metal nozzle.

TEC. INFORMATION

Flow rate: 12.15 gal/min (46L/min)  
 Weight: 20.30 lbs (9.21Kg)  
 Product dimensions: 18.90" (L) x 16.73" (W) x 7.28" (H)  
 (480mm (L) x 425mm (W) x 185mm (H))

MODEL 309 WITH METER IN LITERS



DESCRIPTION

Electric gear pump 12V DC self-priming with on/off switch and fuse, 9.84 ft (3 m) outlet hose and 6.56 ft (2 m) inlet hose, integrated hose holder, filter, meter in liters and metal nozzle.

TEC. INFORMATION

Flow rate: 11.62 gal/min (44L/min)  
 Weight: 25.13 lbs (11.4Kg)  
 Product dimensions: 20.67" (L) x 19.69" (W) x 7.28" (H)  
 (525mm (L) x 500mm (W) x 185mm (H))

D



B309.0001

W A32 D



B401.0001

### MODEL 401



#### DESCRIPTION

Electric pump 12 V DC for 55 gallon (200 L) drum with on/off switch, reinforced engine cover made of Nylon, 1" 8.2 ft (2.5 m) hose, filter and metal.

#### TEC. INFORMATION

Flow rate: 11.88 gal/min (45L/min)  
 Weight: 7.17 lbs (3.25Kg)  
 Product dimensions: 8.07" (L) x 4.72" (W) x 40.55" (H)  
 (205mm (L) x 120mm (W) x 1030mm (H))

### MODEL 401 WITH FILTER



W A32 D

#### DESCRIPTION

Electric pump 12 V DC for 55 gallon (200 L) drum with on/off switch, reinforced engine cover made of Nylon, 1" 8.2 ft (2.5 m) hose, filter and metal.

#### TEC. INFORMATION

Flow rate: 10.56 gal/min (40L/min)  
 Weight: 7.54 lbs (3.42Kg)  
 Product dimensions: 9.84" (L) x 4.72" (W) x 40.55" (H)  
 (250mm (L) x 120mm (W) x 1030mm (H))



B401.0003

# SERVICE AND TANK TRAILER



## DESCRIPTION

- 1 Rotary pump for transferring fuel with an average flow of 13,20 gal/min (50L/min) with fuel nozzle, hose and hose holder
- 1 Filter to clean impurities
- 1 Meter in liters with partial and cumulative totalizer
- 1 Air compressor with hose, blow and fill nozzle
- 1 High pressure jet water pump for general cleaning
- 1 Toolbox
- 1 Vise
- Tires

CT01.0017



Agricultural service trailer for lubrication, transport of diesel and water with capacity from 396.25 gal (1500L) to 1637.86 gal (6200L). "U" beam chassis in carbon steel and 5th wheel steering type. Semi elliptical tank equipped with wave breaks, manhole and drawer register. Pump drive system can be driven by combustion engine or tractor power take-off.

## DESCRIPTION

- 3 Manual Pumps for lubricating oil with 13.20 gal (50 L) capacity and hose holder
- 1 Pneumatic grease pump with 132.27 lbs (200 Kg) capacity.
- 1 Water tank 13.20 gal (50 L) capacity with tap;







DESCRIPTION

- 1 Rotary pump for transferring fuel with an average flow of 13,20 gal/min (50L/min) with hose, fuel nozzle and hose holder
- 1 Filter
- 1 Visual level indicator (Diesel version only)
- 1 Fuel Meter in liters
- Leaf spring suspension
- Tires

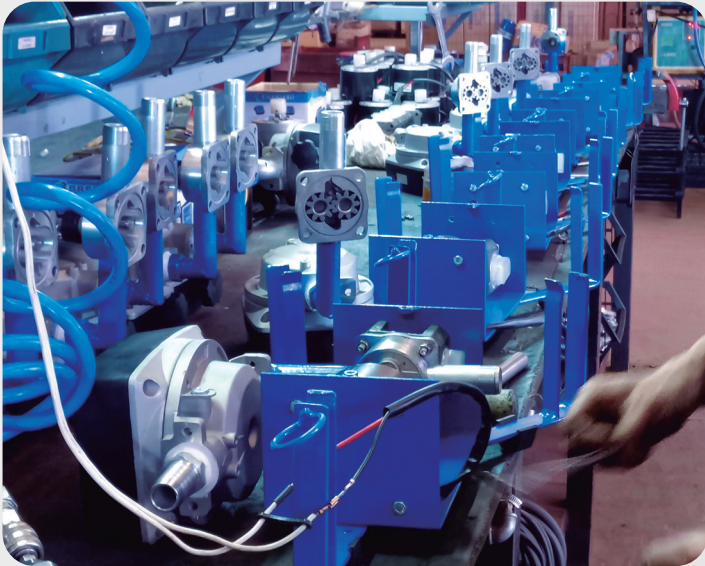
CT01.0011

Agricultural tank trailer for transport of diesel or water, "U" beam chassis in carbon steel, independent of the tank and 5th wheel steering type. Semi elliptical tank equipped with wave breaks, manhole and drawer register. Pump drive system can be driven by combustion engine or tractor power take-off.

DESCRIPTION

We supply single tanks and chassis with capacity from 396.25 gal (1500L) to 1637.86 gal (6200L).





# ACCESSORIES



## 4-JAW COUPLER WITH BALL CHECK VALVE



### DESCRIPTION

Made of Steel

### TEC. INFORMATION

1/8" NPT thread

Y001.1268

## 4-JAW REINFORCED COUPLER WITHOUT BALL



### DESCRIPTION

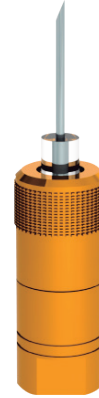
Made of Steel

### TEC. INFORMATION

1/8" NPT thread

Y001.0111

## INJECTOR NEEDLES WITH BALL CHECK VALVE



### DESCRIPTION

Made of Steel

### TEC. INFORMATION

1/8" NPT thread

Y001.0110

## 4-JAW COUPLER NO CHECK VALVE



### DESCRIPTION

Made of Steel

### TEC. INFORMATION

1/8" NPT thread

Y001.0108

## 4-JAW COUPLER WITH BALL CHECK VALVE



### DESCRIPTION

Made of Steel

### TEC. INFORMATION

1/8" NPT thread

Y001.0109

## STRAP WRENCH FOR FORD CUMMINS MOTOR



C100.0001

### DESCRIPTION

Made of steel  
Rubber handle

### TEC. INFORMATION

Minimum Opening:(113mm)  
Maximum Opening: (123mm)

## STRAP WRENCH FOR S10 DIESEL FILTER



C100.0002

### DESCRIPTION

Made of steel  
Rubber handle

### TEC. INFORMATION

Minimum Opening:(127mm)  
Maximum Opening: (142mm)

## STRAP WRENCH FOR LARGE FILTER



C100.0003

### DESCRIPTION

Made of steel  
Rubber handle

### TEC. INFORMATION

Minimum Opening:(100mm)  
Maximum Opening: (110mm)

## STRAP WRENCH FOR MEDIUM FILTER



C100.0004

### DESCRIPTION

Made of steel  
Rubber handle

### TEC. INFORMATION

Minimum Opening:(85mm)  
Maximum Opening: (97mm)

## STRAP WRENCH FOR FIAT FIRE MOTOR



C100.0005

### DESCRIPTION

Made of steel  
Rubber handle

### TEC. INFORMATION

Minimum Opening:(60mm)  
Maximum Opening: (70mm)

## STRAP WRENCH FOR SMALL FILTER



C100.0006

### DESCRIPTION

Made of steel  
Rubber handle

### TEC. INFORMATION

Minimum Opening:(70 mm)  
Maximum Opening: (78 mm)

## CHAIN WRENCH FOR FILTER



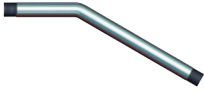
C100.0007





### DESCRIPTION

Made of steel  
Rubber handle

### TEC. INFORMATION

Maximum Opening: (137mm)

Flexible Nozzle Extension	Flexible Nozzle Extension	Rigid Nozzle Extension	Rigid Nozzle Extension	Hose Assembly for Grease
 <p data-bbox="220 701 308 723">Y001.0263</p>	 <p data-bbox="520 701 608 723">Y001.0264</p>	 <p data-bbox="818 701 906 723">Y001.3051</p>	 <p data-bbox="1117 701 1204 723">Y001.0621</p>	 <p data-bbox="1422 701 1509 723">M100.0009</p>
<p data-bbox="124 786 236 808"><b>DESCRIPTION</b></p> <p data-bbox="84 831 229 887">1/4" Braided hydraulic hose</p> <p data-bbox="89 958 252 981"><b>TEC. INFORMATION</b></p> <p data-bbox="84 1014 225 1099">Length:300mm Fittings: 1/8" NPT Male Thread</p>	<p data-bbox="424 786 536 808"><b>DESCRIPTION</b></p> <p data-bbox="384 831 529 887">1/4" Braided hydraulic hose</p> <p data-bbox="389 958 552 981"><b>TEC. INFORMATION</b></p> <p data-bbox="384 1014 525 1099">Length:500mm Fittings: 1/8" NPT Male Thread</p>	<p data-bbox="724 786 836 808"><b>DESCRIPTION</b></p> <p data-bbox="684 831 932 887">Rigid Nozzle Extension made of galvanized steel</p> <p data-bbox="689 958 852 981"><b>TEC. INFORMATION</b></p> <p data-bbox="684 1014 825 1099">Length:150mm Fittings: 1/8" NPT Male Thread</p>	<p data-bbox="1024 786 1136 808"><b>DESCRIPTION</b></p> <p data-bbox="984 831 1232 887">Rigid Nozzle Extension made of galvanized steel</p> <p data-bbox="989 958 1152 981"><b>TEC. INFORMATION</b></p> <p data-bbox="984 1014 1125 1099">Length:300mm Fittings: 1/8" NPT Male Thread</p>	<p data-bbox="1324 786 1436 808"><b>DESCRIPTION</b></p> <p data-bbox="1284 831 1506 972">1/4" Braided hydraulic hose with Ergonomic non-slip handle, Rigid Nozzle Extension and coupler</p> <p data-bbox="1289 981 1452 1003"><b>TEC. INFORMATION</b></p> <p data-bbox="1284 1025 1460 1111">Length: 4.26 ft (1.3m) Inlet: 3/8" NPT Outlet: 1/8" NPT</p>

Hose Assembly for Grease	Hose Assembly for Grease	Hose Assembly for Grease	Hose Assembly for Grease
 <p data-bbox="220 1608 308 1630">M100.0010</p>	 <p data-bbox="520 1608 608 1630">M100.0011</p>	 <p data-bbox="818 1608 906 1630">M100.0012</p>	 <p data-bbox="1117 1608 1204 1630">M100.0013</p>
<p data-bbox="124 1688 236 1711"><b>DESCRIPTION</b></p> <p data-bbox="73 1733 295 1874">1/4" Braided hydraulic hose with Ergonomic non-slip handle, Rigid Nozzle Extension and coupler</p> <p data-bbox="89 1888 252 1910"><b>TEC. INFORMATION</b></p> <p data-bbox="73 1933 233 2018">Length: 6.56 ft (2 m) Inlet: 3/8" NPT Outlet: 1/8" NPT</p>	<p data-bbox="424 1688 536 1711"><b>DESCRIPTION</b></p> <p data-bbox="373 1733 595 1874">1/4" Braided hydraulic hose with Ergonomic non-slip handle, Rigid Nozzle Extension and coupler</p> <p data-bbox="389 1888 552 1910"><b>TEC. INFORMATION</b></p> <p data-bbox="373 1933 533 2018">Length: 9.84 ft (3 m) Inlet: 3/8" NPT Outlet: 1/8" NPT</p>	<p data-bbox="724 1688 836 1711"><b>DESCRIPTION</b></p> <p data-bbox="673 1733 895 1874">1/4" Braided hydraulic hose with Ergonomic non-slip handle, Rigid Nozzle Extension and coupler</p> <p data-bbox="689 1888 852 1910"><b>TEC. INFORMATION</b></p> <p data-bbox="673 1933 833 2018">Length: 13.12 ft (4 m) Inlet: 3/8" NPT Outlet: 1/8" NPT</p>	<p data-bbox="1024 1688 1136 1711"><b>DESCRIPTION</b></p> <p data-bbox="973 1733 1195 1874">1/4" Braided hydraulic hose with Ergonomic non-slip handle, Rigid Nozzle Extension and coupler</p> <p data-bbox="989 1888 1152 1910"><b>TEC. INFORMATION</b></p> <p data-bbox="973 1933 1133 2018">Length: 16.40 ft (5 m) Inlet: 3/8" NPT Outlet: 1/8" NPT</p>

# Real usage situations



### Angled funnel for differential



F100.0001

#### DESCRIPTION

Funnel with side handle for secure grip. It makes pouring easy and clean.

#### TEC. INFORMATION

Made of galvanized steel.

### Angled funnel for general use



F100.0002

#### DESCRIPTION

Funnel with side handle for secure grip. It makes pouring easy and clean.

#### TEC. INFORMATION

Made of galvanized steel.

### Funnel with two curves for VW Van



F100.0003

#### DESCRIPTION

Funnel with side handle for secure grip. It makes pouring easy and clean.

#### TEC. INFORMATION

Made of galvanized steel.

### Funnel with two curves for Mercedes



F100.0004

#### DESCRIPTION

Funnel with side handle for secure grip. It makes pouring easy and clean.

#### TEC. INFORMATION

Made of galvanized steel.

### Funnel with two curves for general use



F100.0005

#### DESCRIPTION

Funnel with side handle for secure grip. It makes pouring easy and clean.

#### TEC. INFORMATION

Made of galvanized steel.

### Short funnel for fuel injection pump



F100.0006

#### DESCRIPTION

Funnel with side handle for secure grip. It makes pouring easy and clean.

#### TEC. INFORMATION

Made of galvanized steel.

### Long funnel for fuel injection pump



F100.0007

#### DESCRIPTION

Funnel with side handle for secure grip. It makes pouring easy and clean.

#### TEC. INFORMATION

Made of galvanized steel.

### Funnel with two curves for VW



F100.0008

#### DESCRIPTION

Funnel with side handle for secure grip. It makes pouring easy and clean.

#### TEC. INFORMATION

Made of galvanized steel.



## Funnel with mesh for Tractor



F100.0009

### DESCRIPTION

Funnel with side handle for secure grip. It makes pouring easy and clean.

### TEC. INFORMATION

Made of galvanized steel.

## Angled funnel for Mercedes



F100.0010

### DESCRIPTION

Funnel with side handle for secure grip. It makes pouring easy and clean.

### TEC. INFORMATION

Made of galvanized steel.

## Long funnel



F100.0011

### DESCRIÇÃO

Funnel with side handle for secure grip. It makes pouring easy and clean.

### TEC. INFORMATION

Made of galvanized steel.

## Funnel with two hooks for oil tanks



F100.0012

### DESCRIÇÃO

Funnel with side handle for secure grip. It makes pouring easy and clean.

### TEC. INFORMATION

Made of galvanized steel.

## General use Funnel




F100.0013


### DESCRIPTION


Funnel with side handle for secure grip. It makes pouring easy and clean.


### TEC. INFORMATION

Made of galvanized steel.

	STRAIGHT GREASE FITTING		
	CODE	TYPE	Thread
	G001.0001	STRAIGHT	1/4" UNF 28
	G001.0002	STRAIGHT	5/16" UNF 24
	G001.0003	STRAIGHT	1/8" BSP 28
	G001.0004	STRAIGHT	1/8" UNF 27
	G001.0005	STRAIGHT	3/8" UNF 24
	G001.0006	STRAIGHT	7/16" UNF 20
	G001.0007	STRAIGHT	1/4" BSP 19
	G001.0008	STRAIGHT	1/4" NPT 18
	G001.0009	STRAIGHT	M6 mm x 1
	G001.0010	STRAIGHT	M8 mm x 1
	G001.0011	STRAIGHT	M10 mm x 1
	G001.0038	STRAIGHT	8 mm x 1,25

	LONG STRAIGHT GREASE FITTING			
	CODE	TYPE	Thread	Length
	G001.0012	LONG STRAIGHT	1/4" UNF 28	30,5 mm
	G001.0013	LONG STRAIGHT	1/8" BSP 28	45 mm
	G001.0014	LONG STRAIGHT	1/8" NPT 27	46 mm
	G001.0015	LONG STRAIGHT	6 mm x 1	40,5 mm
	G001.0016	LONG STRAIGHT	MB 8 mm x 1,25	29,5 mm

	45 DEGREE GREASE FITTING		
	CODE	TYPE	Thread
	G001.0017	45 DEGREE	1/4" UNF 28
	G001.0018	45 DEGREE	5/16" UNF 24
	G001.0019	45 DEGREE	1/8" BSP 28
	G001.0020	45 DEGREE	1/8" UNF 27
	G001.0021	45 DEGREE	3/8" UNF 24
	G001.0022	45 DEGREE	7/16" UNF 20
	G001.0023	45 DEGREE	1/4" BSP 19
	G001.0024	45 DEGREE	1/4" NPT 18
	G001.0025	45 DEGREE	M6 mm x 1
	G001.0026	45 DEGREE	M8 mm x 1
G001.0027	45 DEGREE	M10 mm x 1	

	90 DEGREE GREASE FITTING		
	CODE	TYPE	Thread
	G001.0028	90 DEGREE	1/4" UNF 28
	G001.0029	90 DEGREE	5/16" UNF 24
	G001.0030	90 DEGREE	1/8" BSP 28
	G001.0031	90 DEGREE	1/8" UNF 27
	G001.0032	90 DEGREE	3/8" UNF 24
	G001.0033	90 DEGREE	7/16" UNF 20
	G001.0034	90 DEGREE	1/4" BSP 19
	G001.0035	90 DEGREE	M6 mm x 1
	G001.0036	90 DEGREE	M8 mm x 1
	G001.0037	90 DEGREE	M10 mm x 1

## Complete repair kit Model 280/281/282/284



Y001.1907

### DESCRIPTION

- 1 - Retainer PU 17 x 24 x 6
- 1 - Retainer PU 13 x 20 x 5.6
- 1 - Retainer 6.6 x 13.5 x 5
- 3 - O-ring - (2022)
- 1 - O-ring - (2023)
- 1 - Distributor disc
- 1 - Distributor
- 1 - O-ring - (2010)
- 1 - O-ring - (2011)
- 1 - O-ring - (2013)
- 1 - O-ring - (2028)
- 1 - O-ring - (2041)
- 1 - O-ring - (2111)
- 1 - O-ring - (2335)
- 1 - Internal snap ring 13
- 1 - Internal snap ring MK1 20
- 1 - Low locking nut 3/8 ZB
- 1 - O-ring - (2012) 9.25 x 1.76
- 1 - O-ring - (7179) 25.5 x 2.00
- 1 - O-ring - (7315) 21.0 x 2.0
- 1 - O-ring - (7642) 23.0 x 2.0
- 1 - Locking valve 280/281
- 1 - Washer 1 1/8 x 5/8 nylon
- 1 - Distributor disc strap

## Seal repair kit Model 280/281/282/284



Y001.1906

### DESCRIPTION

- 1 - Retainer PU 17 x 24 x 6
- 1 - Retainer PU 13 x 20 x 5.6
- 1 - Retainer 6.6 x 13.5 x 5
- 3 - O-ring - (2111)
- 1 - O-ring - (2335)
- 1 - O-ring - (7402) 12.0 x 2.0

## Distributor repair kit Model 280/281/282/284



Y001.1905

### DESCRIPTION

- 1 - Distributor disc
- 1 - Distributor
- 1 - O-ring - (7179) 25.5 x 2.00
- 1 - O-ring - (7315) 21.0 x 2.0
- 1 - O-ring - (7642) 23.0 x 2.0
- 1 - Distributor disc belt

## Repair kit model 101



Y001.0911

### DESCRIPTION

- 1 - Washer
- 1 - O-ring
- 1 - PU valve

## Repair kit 102



Y001.0912

### DESCRIPTION

- 1 - Washer
- 1 - Gasket
- 1 - O-ring
- 1 - PU valve

## Repair kit 103/106



Y001.0805

### DESCRIPTION

- 1 - Plunger
- 2 - Washer
- 2 - PVC washer
- 1 - Gasket

## Repair kit 104/105



Y001.0913

### DESCRIPTION

- 1 - Retainer
- 1 - Retainer holder
- 1 - O-ring
- 1 - Elastic pin unit 1/8 x 35
- 1 - Shaft coupler

## Repair kit 202



Y001.0804

### DESCRIPTION

- 1 - Filter
- 1 - Gasket
- 1 - Washer
- 1 - Valve

## Repair kit 205



Y001.1148

### DESCRIPTION

- 1 - Plunger BBA
- 1 - O-ring
- 1 - Retainer

## Repair kit 206



Y001.3369

### DESCRIPTION

- 1 - Plunger BBA
- 2 - O-ring

## Repair kit 209/210/211/212



Y001.0684

### DESCRIPTION

- 1 - Washer
- 2 - O-ring
- 1 - Filter
- 1 - Gasket

## Repair kit 303



Y001.0685

### DESCRIPTION

- 1 - Upper rotor
- 1 - Lower rotor
- 4 - Spacers
- 1 - Inlet filter holder
- 1 - Inlet filter
- 1 - Retainer (8954)
- 1 - 1" flat washer
- 3 - Guides
- 3 - 3/16" flat washer
- 3 - Counter stud 3/32" x 1"
- 2 - O-ring (2137)

## Repair kits 304/ 308/309



Y001.0803

### DESCRIPTION

- 1 - Shaft coupler
- 1 - Retainer
- 1 - Retainer holder
- 1 - O-ring
- 1 - Return Valve
- 1 - Shaft Lock Pin

## Repair kit 305



Y001.0807

### DESCRIPTION

- 1 - Plunger
- 2 - Washer
- 1 - Filter
- 1 - PVC Washer
- 2 - O-ring
- 1 - Retainer

## Repair kit 306



Y001.0724

### DESCRIPTION

- 1 - Retainer
- 1 - Retainer holder
- 1 - Shaft coupler
- 1 - Shaft Lock Pin
- 1 - O-ring
- 1 - Return Valve

## Repair kit 307



Y001.0910

### DESCRIPTION

- 1 unidade acoplador do eixo do motor
- 1 unidade porta retentor
- 1 unidade anel o-ring
- 1 unidade retentor
- 1 unidade válvula de retorno
- 1 unidade pino elástico

## Repair kit 310



Y001.2809

### DESCRIPTION

- 1 - Upper rotor
- 1 - Lower rotor
- 4 - Spacers
- 1 - Inlet filter
- 1 - Inlet filter holder
- 1 - Retainer 8954
- 1 - 1" Washer
- 3 - 3/16" Washers
- 3 - Guides
- 3 - Cotter pin
- 2 - O-ring (2137)

## Repair kit 401



Y001.1554

### DESCRIPTION

- 1 - Upper rotor
- 1 - Lower rotor
- 4 - Spacers
- 1 - Inlet filter
- 1 - Inlet filter holder
- 1 - Retainer 8954
- 1 - 1" Washer
- 3 - 3/16" Washers
- 3 - Guides
- 3 - Cotter pin
- 2 - O-ring (2137)

# FLUID HANDLING EQUIPMENT

## OIL DRAIN TANK



Y001.0432

### DESCRIPTION

- Made of steel
- Adjustable height
- Visual level indicator

### TEC. INFORMATION

- Capacity: 6.60 gal (25 L)
- Weight: 12.79 lbs (5.8Kg)
- Product dimensions: 18,50" (L) x 18,50" (W) x 39,37" (H)
- (470mm (L) x 470mm (W) x 1000mm (H))

## OIL DRAIN TANK



C101.0001

### DESCRIPTION

- 2 wheels for easy movement
- Made of steel
- Adjustable height
- Visual level indicator

### TEC. INFORMATION

- Capacity: 13.20 gal (50 L)
- Weight: 26.01 lbs (11.8Kg)
- Product dimensions: 18,50" (L) x 18,50" (W) x 40,35" (H)
- (470mm (L) x 470mm (W) x 1025mm (H))

## DRUM TROLLEY



Y001.3376

### DESCRIPTION

- Trolley for 55 gallon(200 L) drum made of steel with integrated hose holder.

### TEC. INFORMATION

- Weight: 34.03 lb (15,44 Kg)
- Product dimensions: 34,72" (L) x 29,13" (W) x 34,72" (H)
- (882mm (L) x 740mm (W) x 882mm (H))

## 3 DIGIT MECHANICAL METER IN LITERS



Y001.0358

### DESCRIPTION

Unit: Liters  
 Material: Aluminum  
 Compatibility: Diesel  
 Thread: BSP  
 Meter Accuracy: +/-2%  
 Type: Nutating Disk

## 4 DIGIT MECHANICAL METER IN LITERS



Y001.0359

### DESCRIPTION

Unit: Liters  
 Material: Aluminum  
 Compatibility: Diesel  
 Thread: BSP  
 Meter Accuracy: +/-2%  
 Type: Nutating Disk

## 3/4" FUEL NOZZLE



C101.0003

### DESCRIPTION

Material: Aluminum  
 Compatibility: Diesel  
 Inlet: 3/4" NPT  
 Outlet: 3/4"  
 Work pressure: 60 psi (4 bar)  
 Flow rate: 23.77 gal/min(90 L/min)  
 Dimensions: 21,25" (L) x 18,11" (W)  
 540mm (L) x 460mm (W)

## 1" FUEL NOZZLE



C101.0002

### DESCRIPTION

Material: Aluminum  
 Compatibility: Diesel  
 Inlet: 1" NPT  
 Outlet: 3/4"  
 Work pressure: 60 psi (4 bar)  
 Flow rate: 23.77 gal/min(90 L/min)  
 Dimensions: 21,25" (L) x 18,11" (W)  
 540mm (L) x 460mm (W)

## AUTOMATIC FUEL NOZZLE



C101.0004

### DESCRIPTION

Automatic shut off  
 Material: Aluminum  
 Compatibility: Diesel  
 Inlet: 1" NPT  
 Outlet: 3/4"  
 Work pressure: 60 psi (4 bar)  
 Flow rate: 23.77 gal/min (90 L/min)  
 Dimensions: 12.6" (L) x 4.72" (W)  
 320mm (L) x 120mm (W)

## GREASE CONTROL VALVE



C101.0005

### DESCRIPTION

Material: Steel  
 Inlet: 1/8" NPT

## SWIVEL



Y001.0321

### DESCRIPTION

Z-Type  
 360° Swivel  
 Material: Steel  
 Threads: 1/8" NPT and 1/2"-27  
 Max Rating: 12,000 PSI

## OILER



Y001.0077

### DESCRIPTION

Flexible nozzle  
 Material: Plastic  
 Capacity: 8.45 (250 ml)



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