



Rotary vane pumps used for diesel refuelling

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## Portable Pumps Vehicle Mounted Pumps

The perfect solution  
for rapid refuelling of  
diesel powered  
vehicles anywhere.

### Product Features:

- Self priming to 10 feet
- 12 Vdc and 24 Vdc versions
- Thermal overload protected motors
- Full set of accessories

## Portable Diesel Refuelling Pump Kits

### Fuelmaster 40 Portable Diesel Refuelling Pump Kit

The Fuelmaster 40 is the perfect solution for rapid refuelling of vehicles anywhere. Powered from the vehicle battery, the lightweight Fuelmaster 40 will transfer 100 liters (26 US gal) of diesel fuel in just 3 minutes.

#### Features:

Pump, Hoses, Trigger Nozzle, Strainer and Carrying/Storage Frame.

- Self priming sliding vane pump
- 12v or 24v models
- Fitted with 60 mesh strainer
- Frame can be fitted to wall or mounted directly onto a drum
- Fitted with trigger nozzle
- Thermal overload protected motor

#### Includes:

- By-Pass Pump
- Suction Hose 4 ft (1.25mtrs)
- Discharge Hose 8 ft (2.5 mtrs)
- Suction Strainer
- Trigger Nozzle
- Carrying/Mounting Frame
- Battery Leads and Clips

**⚠ WARNING** Not for pumping gasoline or flammable liquids.



**Model 50140-0000 12 Vdc**  
**Model 50140-0100 24 Vdc**

### By-Pass 40 Diesel Refuelling Pump

Basic Pump with By-Pass for use with Trigger Nozzle



**Model 50130-1000 12 Vdc**  
**Model 50130-1100 24 Vdc**

## Fuelmaster 40 Diesel Refuelling Pump Kit Accessories

### Digital Electronic Meter Kit

#### Includes:

- 1" BSP Nipple
- Sealing Tape
- 2 x AAA Batteries



**Part No.50142-0000**

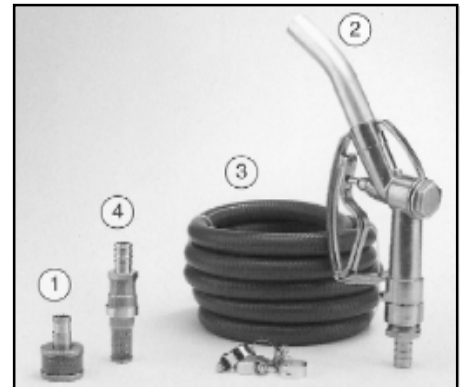
### Meter, Trigger Nozzle and Hose Kit

#### Includes:

- 13 ft (4 mtrs) x 3/4" (19 mm) bore Spiral Reinforced Diesel Hose.



**Part No.50141-0000**



- (1) **Part No. 23732-0000**  
60 mesh strainer
- (2) **Part No. 50143-0000**  
Trigger nozzle with swivel joint
- (3) **Part No. 23531-0301**  
10 ft x 3/4" (3 mtrs x 19 mm)  
**or No. 23531-0401**  
13 ft x 3/4" (4 mtrs x 19 mm)  
Diesel resistant spiral reinforced rubber/PVC alloy hose and 4 hose clips.
- (4) **Part No. 23736-0000**  
Foot Valve-3/4" (19 mm) hose  
Includes: Port adaptor and strainer



**Explosion hazard. Motor on these units can spark. Explosion and death can occur. Do not pump gasoline or flammable liquids or use where flammable vapors are present.**



# Refuelling Pumps

## Vehicle Mounted Diesel Refuelling Pumps

### APPLICATIONS

Transferring diesel fuel and lightweight oils, circulating cooling solutions, construction and maintenance needs, oil changing, and other general pumping services. Not recommended for viscosities over 400 SSU (SAE 10W oil at 70°F).

**⚠ WARNING** Not for pumping gasoline or flammable liquids.

### TECHNICAL DATA

PUMP MODEL NO.	45710-0000	45740-0000
FLOW (10 Ft. Head)	5.5 GPM	8.2 GPM
PORT SIZE	1/2" NPT – 3/4" Garden Hose Thread	1/2" NPT – 3/4" Garden Hose Thread
VOLTAGE/AMP DRAW	12 Vdc/8 Amps	115 Vac, 60 Hz, 1 Phase/3 Amps
BODY	Bronze	Bronze
ROTOR	Vectra	Vectra
VANES	Vectra	Vectra
SEALS	Lip Type, Nitrile	Lip Type, Nitrile
MOTOR SHAFT MATERIAL	Stainless Steel	Stainless Steel
MOTOR TYPE	Enclosed Permanent Magnet	1/8 HP, Open Drip Proof
SIZE (Height x Width x Length)	3 <sup>3</sup> / <sub>8</sub> " x 4 <sup>3</sup> / <sub>4</sub> " x 6 <sup>7</sup> / <sub>8</sub> "	5 <sup>3</sup> / <sub>4</sub> " x 5 <sup>5</sup> / <sub>8</sub> " x 9 <sup>1</sup> / <sub>2</sub> "
WEIGHT (Approx.)	5 <sup>1</sup> / <sub>2</sub> lbs.	14 <sup>1</sup> / <sub>2</sub> lbs.

Variation Available  
Model 45710-1000 – 12 Vdc reversible

#### Head vs. Flow Table

TOTAL HEAD		45710-0000	45740-0000
PSI	FT.	GPM	GPM
2.1	5	5.6	8.5
4.3	10	5.5	8.2
8.7	20	5.1	7.8
13.0	30	4.6	7.4

PUMP MODEL NO.	23870-1200	23540-1200
FLOW (10 Ft. Head)	9 GPM	11.9 GPM
PORT SIZE	3/4" Hose Barb	1" Hose Barb
VOLTAGE/AMP DRAW	12 Vdc/15 Amps	12 Vdc/15 Amps
BODY	Aluminum	Cast Iron
ROTOR	Vectra	Brass
VANES	Vectra	Bronze
SEALS	Lip Type, Nitrile	Lip Type, Nitrile
MOTOR SHAFT MATERIAL	Steel	Steel
MOTOR TYPE	Permanent Magnet	Permanent Magnet
SIZE (Height x Width x Length)	3 <sup>1</sup> / <sub>2</sub> " x 4" x 7"	5 <sup>3</sup> / <sub>4</sub> " x 5" x 8 <sup>1</sup> / <sub>2</sub> "
WEIGHT (Approx.)	5 lbs.	11 lbs.

Variation Available  
Model 23870-1300 – 24 Vdc

Variation Available  
Model 23540-1300 – 24 Vdc

PUMP MODEL NO.	23550-1300
FLOW (10 Ft. Head)	24.6 GPM
PORT SIZE	1 <sup>1</sup> / <sub>4</sub> " Hose Barb
VOLTAGE/AMP DRAW	24 Vdc/15 Amps
BODY	Cast Iron
ROTOR	Brass
VANES	Bronze
SEALS	Lip Type, Nitrile
MOTOR SHAFT MATERIAL	Steel
MOTOR TYPE	Permanent Magnet
SIZE (Height x Width x Length)	7 <sup>1</sup> / <sub>8</sub> " x 5 <sup>3</sup> / <sub>4</sub> " x 9 <sup>3</sup> / <sub>4</sub> "
WEIGHT (Approx.)	18 lbs.

#### Head vs. Flow Table

TOTAL HEAD		23870-1200	23540-1200	23550-1300
PSI	FT.	GPM	GPM	GPM
2.0	5	10	12.2	25.4
4.0	10	9	11.9	24.6

For Metric conversion of performance and dimensions, refer to Engineering Data.

### FEATURES

Heavy duty body, rotor and vanes yield reliable, long life performance. Self-priming to 3 feet. Not recommended for pumping liquids containing solids or debris.



45710-series



45740-series



23870-series



23540-series



23550-1300



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## Refuelling Pump Accessories

### Automatic Shut-Off Control

When installed in the vehicle fuel tank, this control will shut-off pump when tank is full. Comprised of a float switch mounted in the fuel tank and an electronic controller mounted on pump motor.

**Part No. 23528-0000**



### By Pass Relief Valve

This unit will enable the pump to run against a closed trigger nozzle.

**Part No. 23525-0050 – For 23540-series pump.**



### Hose Kits-Diesel Resistant Reinforced Rubber Hose

**Part No. 23531-0400**

1/2" diameter hose x 13 feet long with hose clips for 23870-series pump.

**Part No. 23541-0500**

3/4" diameter hose x 16 feet long with hose clips for 23540-series pump.



### Hose Adaptors

Available in 90 degree union versions to aid in difficult installations.

**Part No. 95020-0030** – 1/2" diameter for 23870-series.

**Part No. 95020-0020** – 3/4" diameter for 23540-series.



### Check Valves

When fitted to the discharge of the pump, this check valve prevents fuel from seeping back through the pump.

**Part No. 23735-0000** – 1/2" diameter for 23870-series.

**Part No. 23738-0000** – 3/4" diameter for 23540-series.



### Foot Valves

When fitted to end of suction hose, this foot valve prevents dirt and particles from entering the fuel system and prevents leakage from suction hose when refueling is complete.

**Part No. 23736-0000** – 1/2" diameter for 23870-series.

**Part No. 23739-0000** – 3/4" diameter for 23540-series.

