

# VR050 Diesel Refuelling Pump

01/03

# VR050 12/24V Fuel Transfer Pump

### **Features**

- Faster refuelling 50 litres/minute (13 GPM)
- High head capability 10 metres (32 feet.)
- Self priming up to 3 metres (9.6 feet.)
- Continuously rated\*
- Vibration tested
- IP55 protected motor
- 24V version with thermal cut-out protection
- · Full range of installation accessories
- · Customised kits for OEM customers

## **Typical Applications**

Model Range

- Designed for refuelling medium sizes diesel powered vehicles [typical tank sizes 200 - 500 litres (50 - 200 gallons)] from drums.
- Suitable for mounting to the following equipment: Excavators, Cranes, Road rollers (compactors), Pavers, Agricultural machines, Generators, Helicopters.
- Suitable for diesel fuel, Kerosene, Paraffin, Hydraulic oils, Oils up to 150 centi Stokes (750 Saybolt Universal) viscosity.



## **Specifications**

Temperature Range: -30°C to +50°C (-22°F to +104°F)

Pump Body: Cast Iron Rotor: Sintered Iron Vanes: Sintered Bronze Shaft: Carbon Steel Seal: Nitrile Lip Seal.

Ports: Vertical 3/4" BSP or 25mm hose adaptors (1").

**Motor**: 12V or 24V DC permanent magnet, corrosion

resistant IP55 protected

**Duty**: \*Continuously rated up to 3 metres (10 ft.), total head of diesel fuel at 40°C (104°F).

Model number	Description			
VR050-2022	<sup>3</sup> ⁄ <sub>4</sub> " BSP ports, 12v DC, switch & fuse			
VR050-2120	3/4" BSP ports, 24v DC			
VR050-2122	<sup>3</sup> ⁄ <sub>4</sub> " BSP ports, 24v DC, switch & fuse			
VR050-1120	25mm (1"), Hose ports, 24v DC			
VR050-1022	25mm (1"), Hose ports, 12v DC, switch & fuse			
VR050-1122	25mm (1"), Hose ports, 24v DC, switch & fuse			
VR050-1123	25mm (1"), Hose ports, 24v DC, automatic shut off controller			
VR050-B013	25mm (1"), Hose ports, 24v DC, switch & fuse, fitted with by-pass			
Accessories For further information see Data Sheet 43010-0031				
23738-0010B	Check valve kit			
23739-0000B	Foot valve kit			
23739-0100B	Foot valve with shrouded strainer			
23541-0001G	Hose - 25mm (1") bore, [per metre]			
23733-0000	Suction strainer 250 micron			
50290-1000	Shrouded strainer			

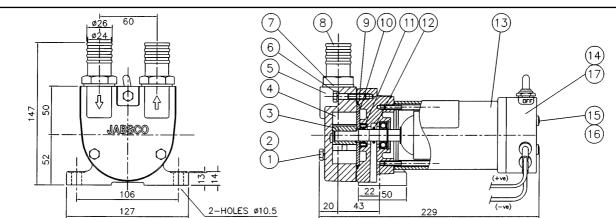


Explosion hazard. Do not pump gasoline, solvents, thinners or other flammable liquids. To do so can cause an explosion resulting in injury or death.



# VR050 Diesel Refuelling Pump

01/03



Dimensions in mm (inches)

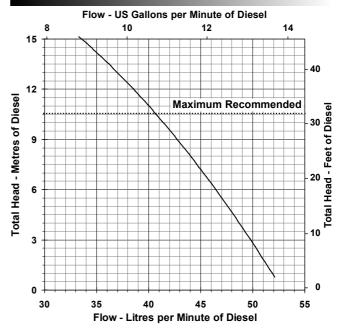
### Parts List

1/	December	<b>O</b> 4	Dant Na	
_	Description		Qty	
1	Bolt	M6 x 42	2	X3000-191F
2	Spring washer		3	X3081-091F
3	Rotor		1	50242-0000
4	Vane*		4	Use SK421-0000
5	Body BSP NPT		1	50244-2000
			1	50244-9000
6	Bolt M6 x 30		1	X3000-186F
7	Sealing Washer	2	SP1613-1415	
8	Port adaptor		2	23543-1000
9	O-Ring*		1	X4020-264A
10	Backplate		1	50246-0000
11	Seal*		1	SP2701-0504
12	O-Ring*			X4020-211A
13	With Sw	ritch 12V	1	98012-9295B
	Motor & Fuse	24V	1	98012-9296B
	Basic	24V	1	98012-9297B
14	Switch box assen	1	96070-6020B	
15	Screw (Pack 10)	2	91046-6001B	
16	Sealing washer (Pack 10)		2	91608-6001B
17	Fuse (Pack 10) 20 Amp (12V) 10 Amp (24V)		1	92005-6020B
			1	92005-6010B
Serv	ice kit contains ite	ked *	SK421-0000	

#### Note

All performance information is based on diesel fuel at 20°C (68°F). On production product, this may vary by up to 10%. Maximum recommended total head of diesel fuel is 10 metres.

## Performance



**Current Draw** 

12V = 12 Amps @ 3m head

24V = 6 Amps @ 3m head

Maximum Current 12V = 20 Amps

24V = 10 Amps

### Safety

Do not use for pumping petrol, gasoline or products with a flash point below 37°C (99°F).

Do not dry run.

## **Jabsco**



## USA

Jabsco 20 Icon Foothill Ranch CA 92610

Tel : +1 949 609 5106

Fax: +1 949 859 1153

## UK Jabsco

Bingley Road Hoddesdon Hertfordshire, EN11 0BU

Tel: +44 (0) 1992 450 145 Fax: +44 (0) 1992 467 132

### **GERMANY**

**Jabsco GmbH**Oststrasse 28
22844 Norderstedt

Tel: +49 (0) 40 53 53 73 0 Fax: +49 (0) 40 53 53 73 11