

Diesel Genius Trailer Specification Sheet



600, 800, 1000, 1200 Litre Diesel Trailers

Unit Specifications

Item	Description	Details
Tank	600 – 1200 litre	Tanks manufactured from specifically formulated diesel grade polyethylene meeting ECE R34.01 & AS 1940-2004, AS 2809.2-2008 requirements. 10 year warranty. Fitted with Ball Baffle System for stability
Pump	Fluid 12 volt	Rotary electric vane pump, 45/60/80 litre/min flow rate, self priming, integrated suction filter & bypass valve. Made in Italy. 2 Year warranty. Mounted in fully enclosed, padlockable pump box
Hose	Delivery	6 metres of 20mm anti-static delivery hose with anti-kink spring
Filler Cap		Pad lockable filler cap with strainer & safety chain. #50 mesh filter
Breather		Specifically designed splash resistant breather
Nozzle	Auto	3/4" or 1" auto shut-off fuel dispensing nozzle
Ports		1" threaded BSP ports
Power Source	12 volt	4m of electrical cable with battery clips and fuse complete with Anderson plug at trailer drawbar
Mounting	Galvanised Strap and M10 inserts	2 x galvanised mounting straps and 4 x M10 insert bolts
Filtration	Three stage	Lid strainer, foot filter, pump strainer
Drain	Bung	3/4" drain bung
Earth Lead	Anti-static	4 metres anti-static earth lead

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Pump Specifications

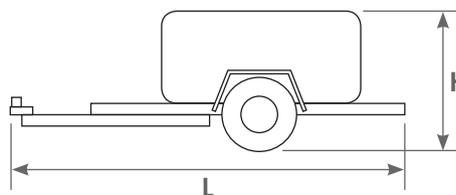
Pump Model	Description	Flow	Current (nom.A)	Current max.A (Bypass)	Duty Cycle	Port
Fluid 12 Volt ADPF045V1P	12 volt rotary electric vane pump	45 L/min open flow	19	22	40 mins	1" BSP
Fluid 12 Volt ADPF060V1P	12 volt rotary electric vane pump	60 L/min open flow	19	25	40 mins	1" BSP
Fluid 24 Volt ADPF060V2P	24 volt rotary electric vane pump	60 L/min open flow	11	18	40 mins	1" BSP
DieselFlo ADPX040V1P	12 volt rotary electric vane pump	40 L/min open flow	12	20	30 mins	3/4" BSP
Svelto 12 Volt ADPT080V1P	12 volt rotary electric vane pump	80 L/min open flow		58	30 mins	1 " BSP
Svelto 24 Volt ADPT080V2P	24 volt rotary electric vane pump	80 L/min open flow		58	30 mins	1 " BSP

Single Axle Trailers - Trailer Specifications

Tank Capacity			
Type	Farm	All Sizes	Standard trailer - no lights, reflectors or brakes
	Road	All Sizes	Fitted with 12/24v LED lights, reflectors, brakes & compliance plate - to ADR standards
Chassis		All Sizes	Fully welded RHS steel - hot dip galvanised, chequer plate mudguards
Running Gear	Axles	600, 800, 1000 Litre	Single, 45mm square, mounted over 6 leaf springs
		1200 Litre	Single, 50mm square, mounted over 7 leaf springs
	Wheels	All Sizes	15" x 7" Steel rims, 6 stud Landcruiser hub pattern
	Tyres	All Sizes	Brand new, All Terrain Light Truck, 6 ply radial tyres, 31 x 10.50R15.
Brakes	Hydraulic	600, 800, 1000 Litre	Hydraulic override operation 9" drum brakes with master cylinder & handbrake
		1200 Litre	Hydraulic override operation 11" drum brakes with master cylinder & handbrake
Towing			50mm Ball Hitch, 7 pin flat trailer plug, safety chain (rated)
Aggregate Trailer Mass (AGM)		600, 800, 1000 Litre	1500 kg
		1200 Litre	1990kg

Trailer Dimensions (mm)

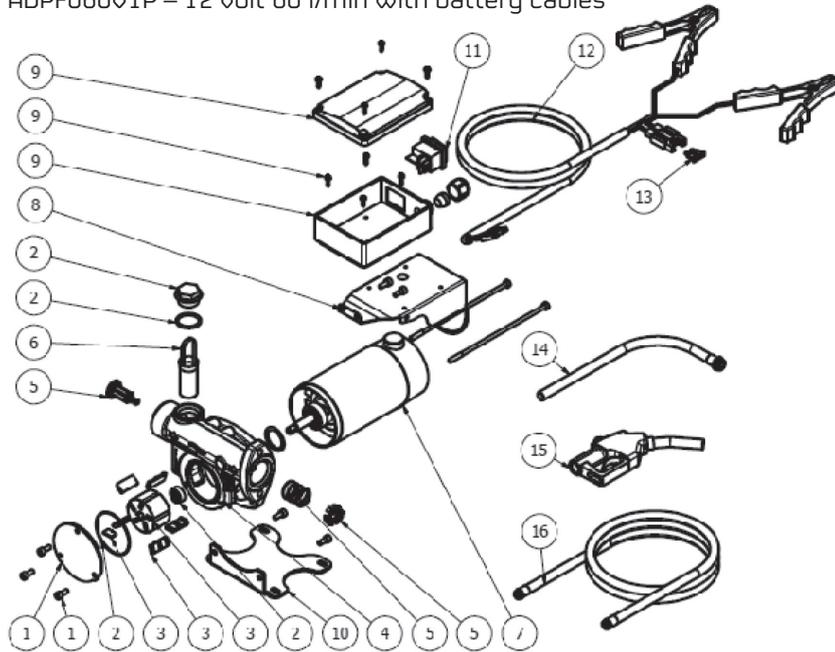
Size	Length	Width	Height
600 Litre	3700	1900	1255
800 Litre	3700	1900	1375
1000 Litre	3700	1900	1540
1200 Litre	3700	1900	1705



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Parts Breakdown – FLUID

ADPF060U1P – 12 volt 60 l/min with battery cables

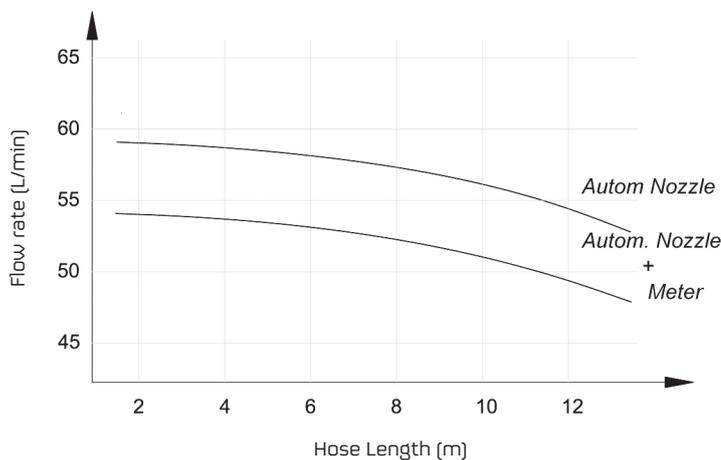


Parts List

No.	Part Name	Per. Set	Code	No.	Part Name	Per. Set	Code
1	Bracket & Screw Kit	1	CRF695000	9	Electrical box kit	1	CRF695006
2	Gaskets Kit	1	CRF695001	10	FLC 60 DC holder kit	1	CRF695018
3	Rotor & Vanes Kit	1	CRF695002	11	ON/Off switch	1	CRF425001
4	Pump Body 40L	1	CRF210001	12	Cord 2x1 1m + clamps	1	CRF400003
5	By-pass Valve Kit	1	CRF695003	13	25A fuse (12Vcc motor)	1	CRF450001
6	Strainer	1	CRF217001	13	15A fuse (24Vcc motor)	1	CRF450002
7	24 Vcc Motor	1	CRF460002	14	Suction hose	1	CRF990201
7	12 Vcc Motor	1	CRF460001	15	Auto nozzle 60L/min	1	CRF320601
8	Cover FLC 60 DC kit	1	CRF695017	15	Manual nozzle 60L/min	1	CRF321601
				16	4m delivery hose 1"	1	CRF990104

Flow Curve

ADPF060U1P – 60l/min



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Options oooooooooooooooooooooooooooooooo



Fluid 12 Volt Diesel 60 L/m Pump Kit - ADPF060V1P

- 60 L/min 240 volt diesel pump kit
- 6 metres of 25mm anti-static delivery hose with anti-kink spring + auto shut-off nozzle
- 2 metres of 25mm suction hose
- Made in Italy
- 2 year warranty



Fluid 240 Volt Diesel Pump Kit – ADPF060V3K

- 60 L/min 240 volt diesel pump kit
- 6 metres of 25mm anti-static delivery hose with anti-kink spring + auto shut-off nozzle
- 2 metres of 25mm suction hose
- Made in Italy
- 2 year warranty



Dieselflo® 12 Volt 40 L/m Pump – ADPX040V1P

- 12 volt 40 litres/min open flow rate
- Improved heavy duty switch
- Redesigned integrated bypass valve
- Supplied with suction filter
- 3/4" BSP ports
- Self priming
- Reliable & compact
- 4 metres of electrical cable with battery clips



Svelto Pump Kits – ADPT080V1K / ADPT080V2K

- 80 L/min diesel pump kit
- Available in 12 & 24 volt models
- 6 metres of 25mm anti-static delivery hose with anti-kink spring + auto shut-off nozzle
- 4 metres of power cable included
- 2 metres of 25mm suction hose
- Integrated bypass valve in pump
- Self priming for ease of use
- 4 metres of electrical cable with battery clips
- Made in Italy



Diesel Filter Holder & Cartridge Kit – ADC30M25F

- Aluminium filter holder supplied with water & sediment filter cartridge

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Options



Mechanical Flow Meter 4 Digit – ADFMM25D4

- 4 digit subtotal + 8 digit total
- 20-120 litres/min flow rate
- Max flow measurement 999.9 litres
- Max operating pressure - 3.5bar/50psi
- +/- 1% accuracy
- 1" ports
- Fits all Genius units 400L and larger



Genius Fuel Level Gauge – ADLM10M

- Easy to read fuel level gauge
- Fits neatly beside filler cap



Digital Flow Meter 5 Digit – ADFPE25D5

- 5-digit easy to read LCD display powered by lithium battery (CR2)
- Fluid Type: For diesel, kerosene & Diesel Exhaust Fluid eg; Ad Blue™, NoNox®, Air1®
- Flow Rate: 10-100 LPM / 3-26 GPM
- Max. Operating Pressure: 72PSI / 5BAR
- Inlet/Outlet: 1"
- Fits all diesel units



Diesel Hose – ADZF6M20 / ADZF10M20 / ADZF6M25 / ADZF10M25

- Choose from 6 & 10 metre hose lengths (Check pump compatibility if adding additional hose)
- Choose from 3/4" and 1" hose diameter
- High quality diesel grade hose with crimped fittings
- Hose kinking prevented by anti-kink spring



Heavy Duty Hose Reel – ADHR013M20 / ADHR008M25

- Choose from 13 metres of 20mm hose and 8 metres of 25mm hose
- 3/4" BSP fittings on hose
- Spring loaded retractable reel
- Heavy duty steel construction
- Hose feed guide with stopper
- 1" BSP swivel & inlet for increased flow
- Secure 4 point mounting
- Made in Italy



1" Auto Shut-Off Nozzle – ADGA25

- Supplied standard with all 60l/min pump kits



Ball Baffles® – ARB195 / ARB355

- Small Ball Baffle \varnothing 195mm – suits 250mm lid opening
- Large Ball Baffle \varnothing 355mm – suits 450mm lid opening

All Options not necessarily compatible

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Options



Ring Hitches

CTHR03SV - Ring hitch and poly block couplings



Heavy Duty Jockey Wheel

CTJ008S- Jockey wheel solid tyre 8" swing away



Wheel Chocks

AQCW001K - Pair of Oz-Chock poly wheel chocks with stainless steel holders.



Spare Wheel & Tyre

AQWR015 - Spare wheel and tyre with mounting bracket - 15" with Landcruiser hub pattern

Purchasing a trailer?



Whether for high pressure wash or diesel applications, Rapid Spray has a wide variety of purpose built trailers to suit your needs. Hot dip galvanised steel chassis and welded heavy duty construction mean our trailers will go anywhere in any conditions. Purchase your Rapid Spray trailer and follow our registration directory below to get your trailer on the road today!

Online Registration Directory

■ NEW SOUTH WALES

For NSW registrations, Rapid Spray can supply a weight bridge ticket and blue slip for you, or even register the trailer in your name for an additional cost. Please contact us for further information regarding registration options in NSW.

Visit >> <http://www.rms.nsw.gov.au/roads/registration/get-nsw-registration/index.html>

■ QUEENSLAND

Visit >> <http://www.qld.gov.au/transport/registration/register/caravan/>

■ VICTORIA

Visit >> <https://www.vicroads.vic.gov.au/registration/new-registration/register-a-trailer-or-caravan>

■ AUSTRALIAN CAPITAL TERRITORY

Visit >> <http://www.rego.act.gov.au/registration/registering-vehicle-other-than-a-standard-car-or-light-truck/register-a-trailer>

■ WESTERN AUSTRALIA

Visit >> <http://www.transport.wa.gov.au/licensing/license-a-trailer.asp>

■ SOUTH AUSTRALIA

Visit >> <https://www.sa.gov.au/topics/transport-travel-and-motoring/motoring/vehicles-and-registration/vehicle-registration/unregistered-vehicles>

■ NORTHERN TERRITORY

Visit >> <http://www.transport.nt.gov.au/mvr/registration>

■ TASMANIA

Visit >> <http://www.transport.tas.gov.au/registration>

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IMPORTANT PRODUCT INFORMATION

Road Registrable Trailers over 2,000kg GVM

Rapid Spray trailers are manufactured to comply with the Vehicle Standards Bulletin USB1.

Rapid Spray is a licensed motor dealer under the Motor Dealers Act 1974 – License number MD046637.

All Rapid Spray trailers with a GVM of over 2,000kg are fitted with a 12 pin 'Flat' type wiring plug that is wired to provide a means of maintaining the 'Breaksafe' unit in a charged state and provide a voltage feedback for an in-vehicle Breaksafe monitor as required by NSW legislation. (Rapid Spray recommends the fitment of a RM6000 Breaksafe monitor available from RV Electronics).

NSW Legislation (Extract from Vehicle Inspectors Bulletin No.06)

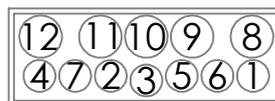
The Regulations for Motor Traffic requires that all trailers with a Gross Trailer Mass (GTM) exceeding 2 tonnes be provided with a braking system which will operate automatically and promptly upon breakaway of the trailer from its towing vehicle, and that such application should be maintained for at least fifteen minutes.

Such trailers, if fitted with electrically actuated braking systems, must be equipped with a device which applies the brakes in the event of a breakaway from the towing vehicle and maintains application for at least fifteen minutes. It is essential therefore, that an energy source, such as a battery, be carried on the trailer and that means be provided to ensure that the battery is maintained in a fully energised condition.

In this regard, it will be satisfactory if any trailer-mounted battery is constantly charged by the towing vehicle and a warning device is fitted to warn the driver (from the normal driving position) if the trailer battery charge falls to such a level as to render the trailer brakes incapable of meeting the requirements. Trailers required to be fitted with breakaway systems are not registrable if there is no means for maintaining the breakaway energy source in a fully-energised condition (for example, if a charging and warning circuit is not fitted). An acceptable warning circuit must incorporate either a visual or an audible warning device.

The Breaksafe BS6000 as fitted by Rapid Spray to all trailers with a GVM exceeding 2,000kg and the RM6000 monitor as recommend for vehicle fitment by Rapid Spray meet the above requirements.

Rapid Spray provides their trailers with the 12 pin plug wired as below. It is important that you ensure your vehicle socket is wired in accordance with the trailer plug to ensure correct operation of all signalling/braking and auxiliary functions.



A		12P FLAT PLUG	
1	20	Y	L/H INDICATOR
2	20	B	REVERSE SIGNAL
3	20	W	EARTH RETURN
4	20	G	R/H INDICATOR
5	20	L	SERVICE BRAKES
6	20	R	STOP LIGHTS
7	20	N	REAR/CLEARANCE & SIDE LIGHT
8	-	-	-
9	20	P	BREAKSAFE BATTERY CHARGE
10	-	-	-
11	-	-	-
12	20	V	CHARGE LEVEL INDICATOR