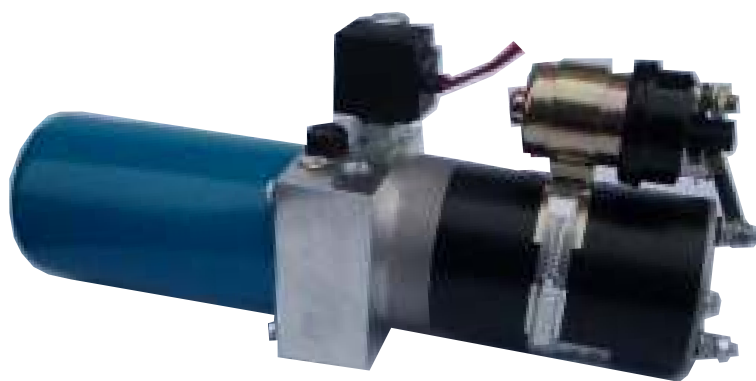


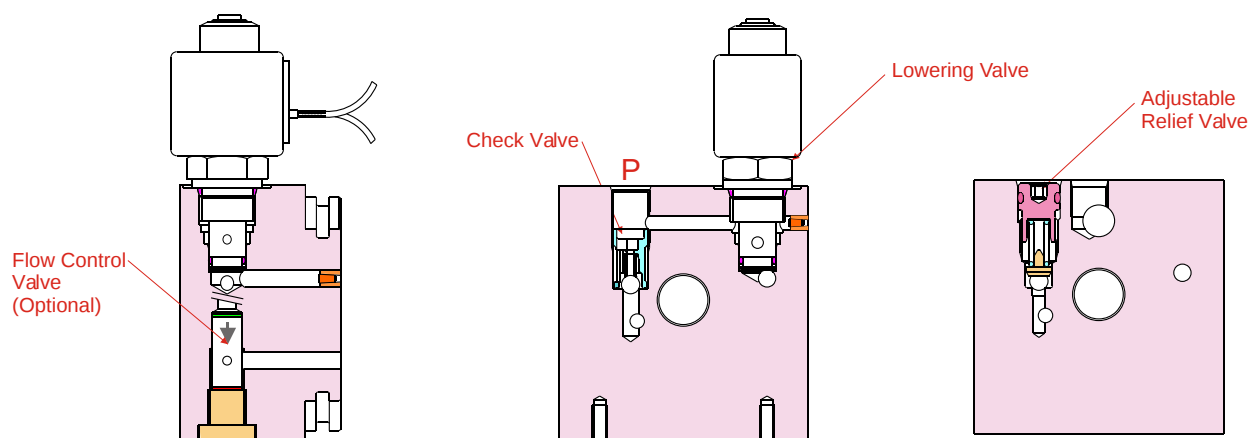
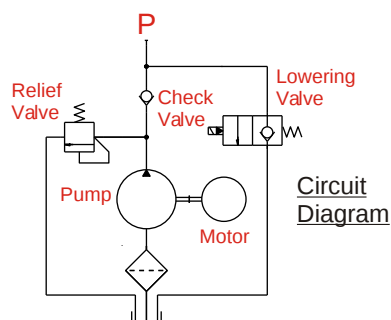
500W & 800W DC UNIPACKS



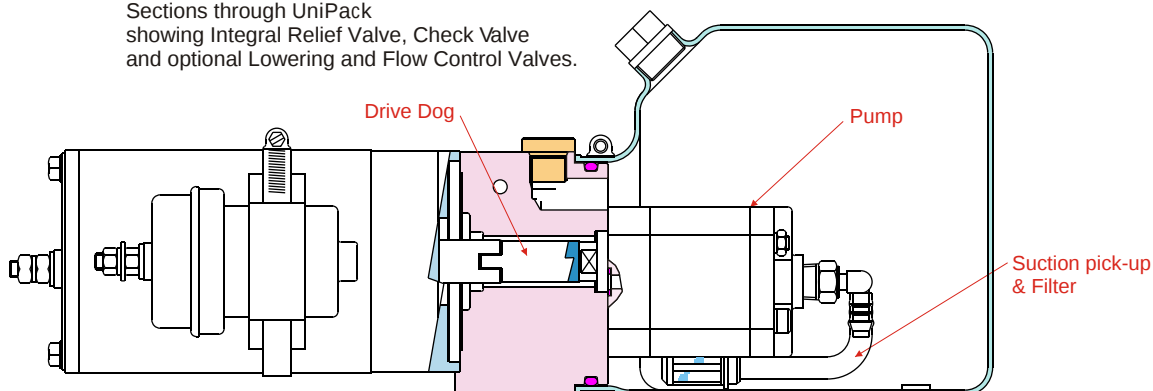
Versatile range of micro power units for mobile applications.
Flows to 3,6l/min; Pressures to 180bar
Motors 150W, 200W, **500W & 800W** dc
or 200W ac
Pump sizes 0,25, 0,50, 0,75 & 1cc/rev

FEATURES

- Pressure balanced gear pumps
- Ultra-compact design
- Quiet operation with long life
- Easy to install with integral mounting points
- Wide range of options
- Customised OEM versions available
- Global support & servicing



Sections through UniPack showing Integral Relief Valve, Check Valve and optional Lowering and Flow Control Valves.

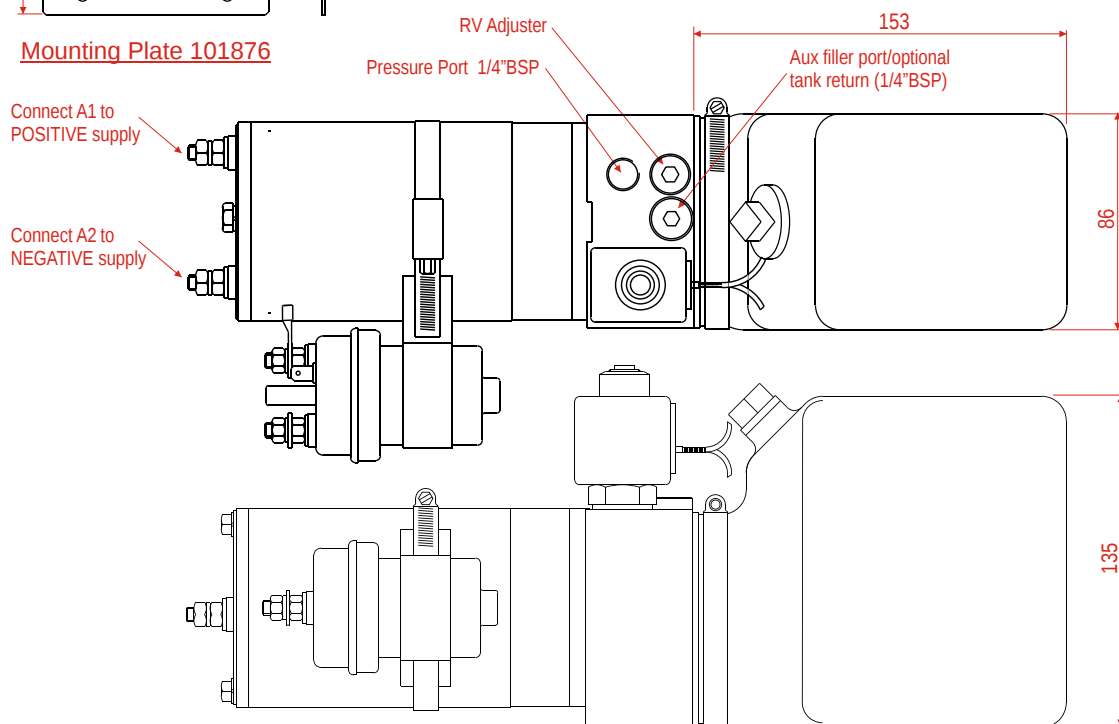
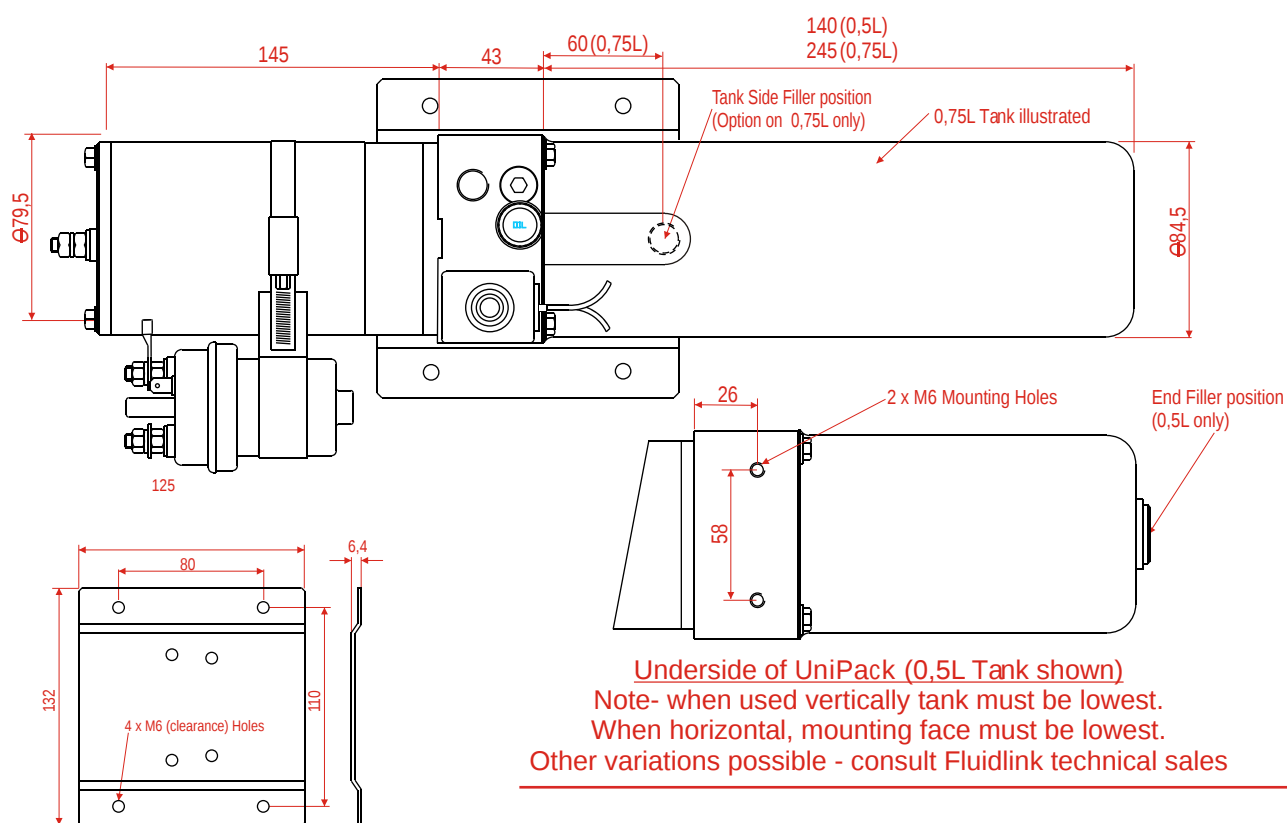


fluidlink
HYDRAULICS

9 Harris Road
Porte Marsh Industrial Estate
Calne
Wiltshire, SN11 9PT
UK

(T) +44 (0)1249 818555
(F) +44 (0)1249 818666
www.fluidlink.co.uk

500/800W DC UNIPACKS



UniPack ,with 1,0L Tank

PERFORMANCE DATA 500/800W UNIPACKS

Nominal performance of pack combinations at constant voltage and at nominal 20°-25° C with ISO VG22 oil.

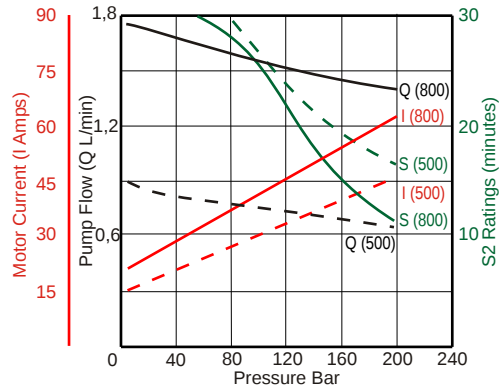
Key to diagrams:-

(Black) Flow rate (Q) 800W motor
(Red) Current (A) 800W motor
(Green) S2 run time (S) 800W motor

(Black) Flow rate (Q) 500W motor
(Red) Current (A) 500W motor
(Green) S2 run time (S) 500W motor

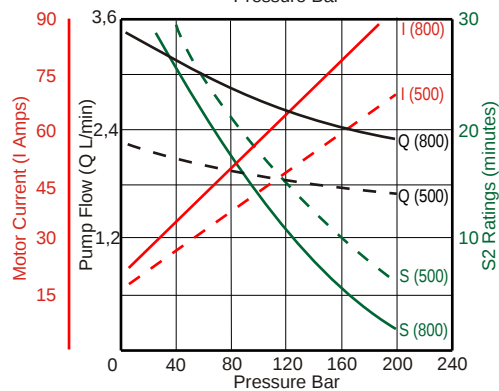
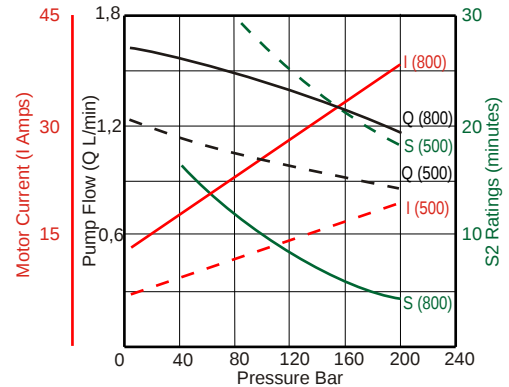
For information regarding S2 running time refer to p4

12V Motor

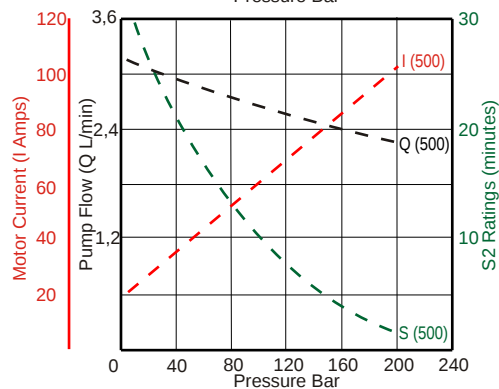
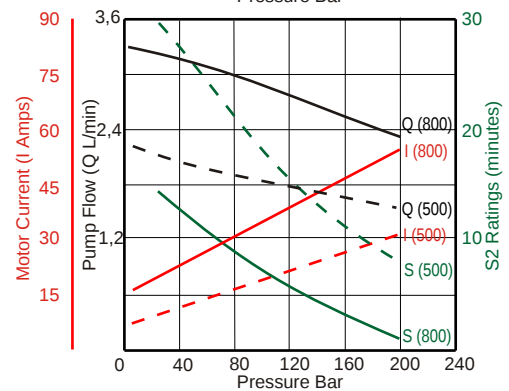


Pump Size
0,25cc/rev

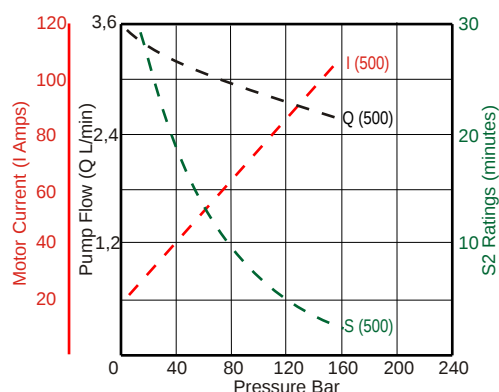
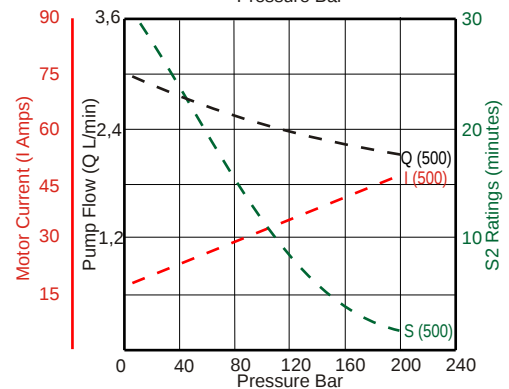
24V Motor



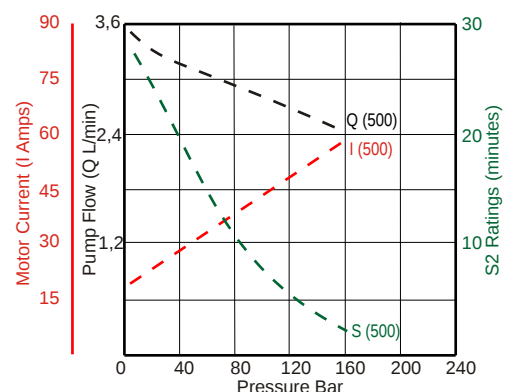
Pump Size
0,50cc/rev



Pump Size
0,75cc/rev
500W motor
only



Pump Size
1cc/rev
500W motor
only



fluidlink
HYDRAULICS

9 Harris Road
Porte Marsh Industrial Estate
Calne
Wiltshire, SN11 9PT
UK

(T) +44 (0)1249 818555
(F) +44 (0)1249 818666
www.fluidlink.co.uk

500/800W DC UNIPACKS - TECHNICAL DATA

Hydraulic Fluid(recommended)

Mineral hydraulic oil (HM or HV)
For normal ambient temp range (0°C-40°C)
ISO VG22 to ISO VG46
Working temp (ambient) -20°C - +40°C

Weight (app) kg

With 500/800W motor 4,3kg

Maximum Pressure (see performance curves)

0,25cc, 0,5cc, 0,75cc 200bar
1cc (limited by motor power) 160bar

Options Available

Manual override on valve
Tank air-bag (for sealed systems)
Remote Start/Stop Switch Pendants
Foot mounting bracket
Circuit variations available eg. add'l valves, auxiliary connection ports etc.
(min quantity may be required).

Installation, Operation, Commissioning

If mounting vertically, the tank must be lowest with the pick-up pipe at the bottom of the tank (Fluidlink to be advised when ordering).
Tanks must normally be vented to atmosphere. The volume is reduced if used unvented due to the need for air space.
It can be very difficult to fill the tank through the body tapping due to air locks. Remove the tank for initial filling.

S2 is short time operation rating and is the time in minutes for the brush temperature to reach 150°. This should not be exceeded. The motor must cool completely before another S2 time can be run.

Electrical Connections

Marked on motor cover
A1 - Connect POSITIVE
A2 - Connect NEGATIVE
Correct motor rotation is CLOCKWISE when viewed on the shaft end (the pump goes anti-clockwise).
The main motor supply should be fitted with a FUSE and an ISOLATOR switch.

MAIN SPARES KITS

Pump Kit	KPU***01A	** = pump code ref	Flow Control Insert	100483-***	*** = flow (l/min)
Seal Kit	KSKU01A		Centre Plate Kit (Std)	KCUD3101A	
Motor Kit	KMD***01A	*** = motor code ref (eg R2J)	Drive Dog	99725-F50	
Tank Kit	KTA***01A	*** = tank code ref (eg E05)	Foot Mtg Bracket	KAMU01A	
Lwg Valve	KSLV-8-**F	** = 12V or 24V	Start Switch	KSW**S02A	(**=12 or 24)
Vave Coil	KSLN-8N-**F				
Cavity Plug	KCPG02A				

500/800W DC UNIPACKS - ORDERING CODES

U	2	K	0	5	H	U	C	N	N	N	N	X	X	X
U	Motor		Pump Capacity		Mounting Position	Body	Valve	Flow Control	Tank		Special Code			
1	12V		02	0,25 cc/rev			3	2,5 L/min			Allocated by manufacturer for all custom and non-standard assemblies.			
2	24V		05	0,50 cc/rev			4	4 L/min						
J	500W		07	0,75 cc/rev			5	5 L/min			B		Side Filler	
K	800W		10	1 cc/rev			7	7 L/min			C		Side Filler (tank)	Not with 05
N	No motor		XX	Special			9	9 L/min			E		End Filler	
X	Special						N	None			P		Pressurised	Not with 10
					H Horizontal		X	Special			S		Without Filler	
					V Vertical		C	N. Closed				0 5	0,5L capacity	steel
							O	N. Open				0 7	0,75L capacity	plastic
							D	Dble L'kg				B 1 0	1,0L capacity	plastic
							N	None				X X	Special	
							X	Special						

Note. 12V 500W motor (R1J) is the same parts as 24V 800W motor (R2K).

The products are subject to development and the manufacturer reserves the right to change the specifications without notice

Items THUS are non-preferred.

Jun 08

fluidlink
HYDRAULICS

9 Harris Road
Porte Marsh Industrial Estate
Calne
Wiltshire, SN11 9PT
UK

(T) +44 (0)1249 818555
(F) +44 (0)1249 818666
www.fluidlink.co.uk