

OPTIONS AND ACCESSORIES

EcoLEAN



EcoLogic



EcoMAX



- Electrical heater 12kW
- Electrical heater 2 x 12kW
- Electrical heater 3 x 12kW
- Antifreeze protection(- 15°C)
- Not separated supply
- Electrical panels
- Waterflow regulation valve
- Isolating inlet valve
- Isolating outlet valve

- Option
- Accessory



Our products comply with the European standards.



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PRODUCT CATALOGUE



PROVIDING GLOBAL SYSTEM SOLUTIONS

HydroPack

12 - 2002

FEATURES AND BENEFITS

Construction

HydroPack is a stand alone pump and buffer tank module capacity 500 to 2000 litres. The unit is built on a rigid profiled section steel and galvanized base frame. The external sheet steel panels are fully demountable for service access. The unit is painted and finished colour is white RAL 9002.

Reservoir tank and Expansion vessel.

The reservoir tank is fitted with an automatic air purger, a high pressure water vent valve, water pressure gauge and an expansion vessel with a gas membrane. The chilled water flow and return pipes are internally threaded for simple site hook up. (The connections are flush with the side of the unit.)

Pump

The basic **HydroPack** is fitted with a single pump to EN1092/2. Option is for 2 pumps as run and standby.

Filter

The **HydroPack** is fitted with a 500 micron wire mesh strainer filter. A unique feature of the HydroPack is that the filter extends the full width of the tank. This reduces the requirement for filter cleaning and the risk of blockage.

The filter is removable for cleaning and inspection. Max allowance pressure drop 10kpa.

Insulation

The tank is enclosed with thermal insulation firmly fixed to prevent the formation of condensation on the tank.

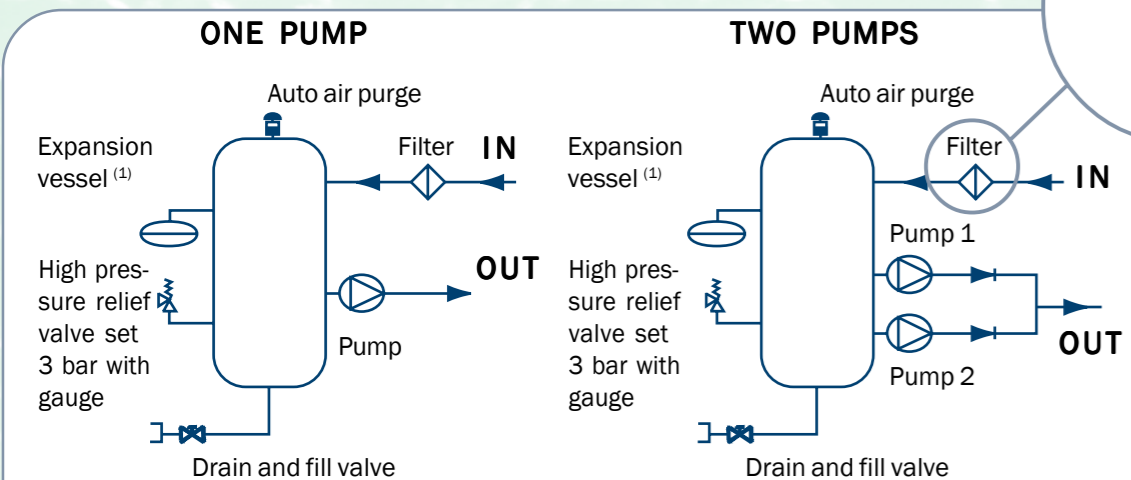
Accessibility

The panels on the tank are fully removable to allow access to :

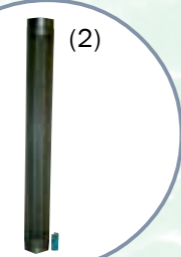
- the pumps motors.
- the expansion tank to maintain the system pressure.
- the water filter.
- the water pressure relief valve.
- the drain and fill line.



PRINCIPAL SKETCHES



(1) 1 x 25 l if 500, 750, 1000 l / 2 x 25 l if 1500, 2000 l



(2) Oversized filter/strainer fitted inside buffer tank reduces blockages and maintenance time.

TECHNICAL DATA

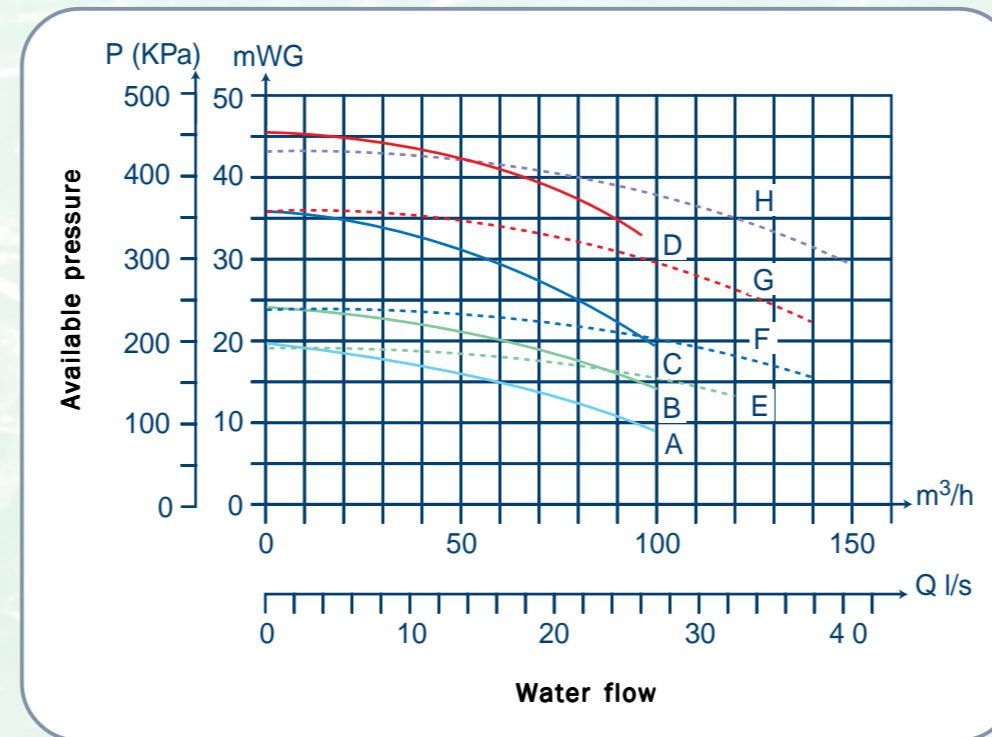
HydroPack

Pump curve	Buffer tank (l)					Motor power (2) (Kw)	Nominal current (2) (A)	Waterpump speed (rpm)	Sound level LpA (dB)(1)
	500	750	1000	1500	2000				
A	△	△	△	△	△	4	7,7	2900	71
B	△	△	△	△	△	5,5	11,1	2900	73,5
C	△	△	△	△	△	7,5	14,7	2900	75,5
D	△	△	△	△	△	11	21,2	2900	78
E	△	△	△	△	△	5,5	11,1	2900	73,5
F	△	△	△	△	△	7,5	14,7	2900	75,5
G	△	△	△	△	△	11	21,2	2900	78
H	△	△	△	△	△	15	28,2	2900	80

△ : Available.

(1) Sound pressure level. All data are at one meter pump distance, in normal operating conditions.

(2) Supply : 400V / 3 / 50V / phase / Hz.



Model number description

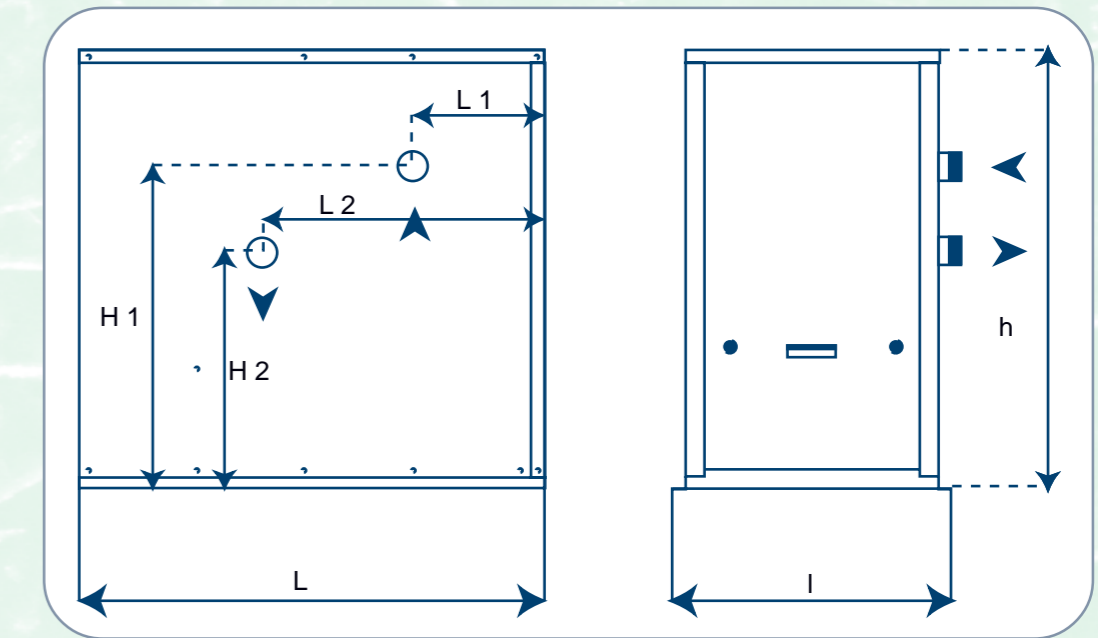
HYD 0502 A
 HYD: HydroPack range
 0502: Nominal capacity expressed in tens of litres (050-075-100-150-200)
 A: Pump reference (A to H)
 Pump number (1 or 2)



TECHNICAL DATA

HydroPack

	Buffer tank (l)				
	500	750	1000	1500	2000
1 pump - Weight without water (Kg)	330	500	700	850	1100
1 pump - Operating weight (Kg)	830	1250	1700	2350	3100
2 pumps - Weight without water (Kg)	400	600	800	1000	1300
2 pumps - Operating weight (Kg)	900	1350	1800	2500	3300
L (mm)	1745	2000	2000	2400	2400
h (mm)	1875	1650	2050	1800	2150
l (mm)	900	1150	1150	1500	1500
L1 (mm)	490	580	580	790	790
H1 (mm)	1350	1200	1500	1200	1600
L2 (mm)	1065	1305	1305	1707	1707
H2 (+/- 43mm) (mm)	788	838	838	888	888
Ø inlet/outlet	3"	3"	3"	4"	4"



Operating limits

The **HydroPack** is designed for use with city water, antifreeze can be utilised (MEG/MPG) 35% maximum. Water temperature maximum +50 °C to (3) to minimum -10 °C (4)

Ambient : the maximum operating external temperature is 50 °C the minimum is dependent on the antifreeze fluid mix. Atmospheric pressure 1000mbar +/- 100mbar.

Wind and rain fall. Wind max is 10m/s adverse rain is 100l.s-1ha-15mn. Snow loading 400mm.

(3) 100 °C with additional expansion vessel

(4) With the option of antifreeze protection the external temperature can be -25 °C

FOR ALTERNATIVE VALUES, PLEASE CONSULT THE LOCAL SALES OFFICE.

LENNOX reserves the right to make changes to the design and limitations without notice.

