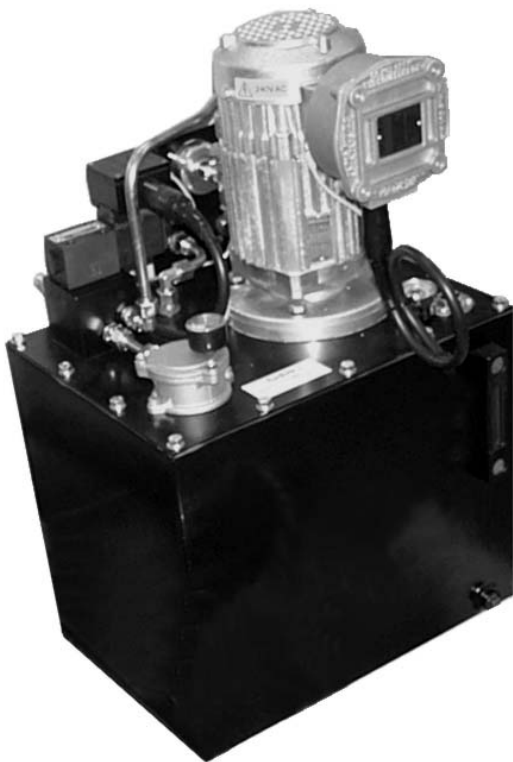




# Hydraulic Power Pack

(For 210 Samplers)



The power pack provides the fluid reservoir and power source to operate the series 210EH sampler probe.

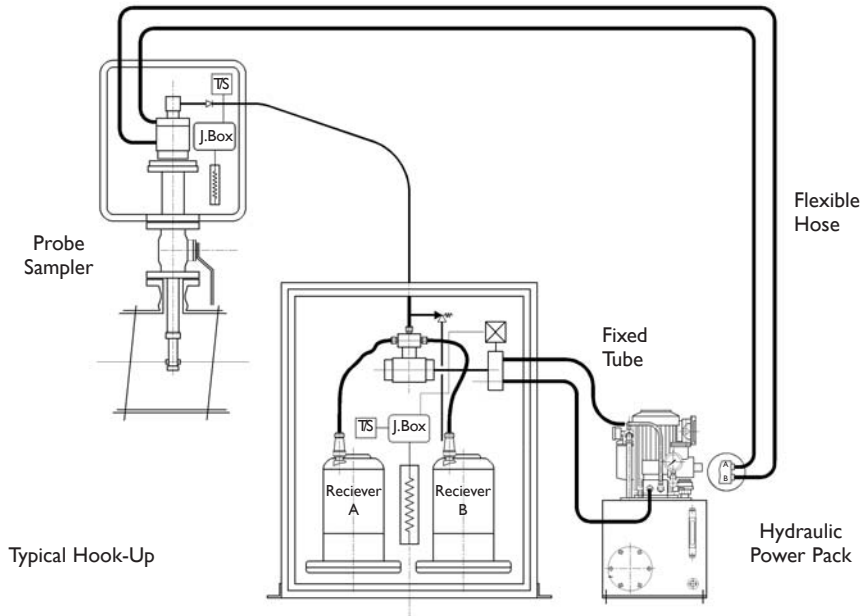
The power pack consists of a fixed displacement gear pump, directly driven by a flameproof electric motor mounted on a supply tank. The tank is fitted with a suction filter, filler/breather cap, oil level indicator, drain plug and connection manifold.

A flameproof, solenoid operated, directional control valve is fitted to the manifold, which is

also fitted with a pressure gauge and internal pressure release valve. The series 210EH sampler probe is operated by switching the control valve which directs the pump delivery alternately to the two sampler actuator connections, while, at the same time, returning the fluid displaced from the actuator to the supply tank. When the sampler probe is not being operated, the pump delivery is returned to the tank via the pressure relief valve.

An additional pressure feed provides motive power for operating can change-over valves.

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## Specification

<b>Suction filter</b>	Provided
<b>Return filter</b>	Provided includes blockage indicator
<b>Tank capacity</b>	56 litres
<b>Tank accessories</b>	Sight Gauge Temperature Indication Drain plug Filler Breather
<b>Oil viscosity</b>	The oil should have a viscosity of approximately 15 - 20cSt at the operating temperature. Special oils may be needed if low oil temperatures are expected

## Output

<b>Pump capacity</b>	A minimum of 20 litres/min at the maximum design pressure
<b>Pump design pressure</b>	Max 10 bar Norm 7 bar Min 4 bar Pressure is adjustable and lockable

## Utilities

<b>Solenoid</b>	Full bore 4 port valve
<b>Solenoid valve supply</b>	24VDC, 110/240VAC 50/60Hz
<b>Motor supply</b>	3-Phase supply requirement

## Environment

<b>Design temperature</b>	Min -20°C Temp Norm 15°C Temp Max 55°C
<b>Environment</b>	Suitable for mounting in marine environment

## Approvals

<b>Hazardous area</b>	ATEX Classification Zone I IIB T4 Equipment category II group 2G
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