

The No1 For Oil Pollution Clean Up



# *Oil Spill Response Pumps*



**SELWOOD**  
[www.selwoodpumps.com](http://www.selwoodpumps.com)



1. A deck mounted PD100 Spate fitted to a spill control catamaran for Saudi Aramco as a major part of its Red Sea oil spill response capability.



2. A PD75 Spate, in conjunction with an oil spill skimmer, operating as part of a clean-up operation.



3. PD75s being used by Varichem de Colombia in response to a local oil spill.



4. PD75s being used by Corena in Ecuador in conjunction with skimmers on API20 oil



5. Seltorque S150 pump and skimmer operated by Alpina Briggs on an oil spill clean-up in Brazil.



6. The waste product to be transferred proved to be too heavy for the vacuum tanker to lift. An S150 pump was brought in and filled the vacuum tankers in less than half the time normally needed.



7. Where others had tried and failed, an S100 pump was installed to lift heavy viscous and contaminated material over 3 metres for transfer to a nearby separator plant.



8. S150 being used by Corena to recover API20 oil from a deep pit



9. S200 being used to recover heavy oil from a waste oil pit in Venezuela.



10. PD75 used in conjunction with a shore fence to recover floating oil in Rio-de-Janeiro, Brazil.



11. PD75 being used by Alpina Briggs to recover oil from a leaking pipeline.



12. PD75s and skimmers being prepared for use on the Deepwater Horizon spill in the Gulf of Mexico.



13. PD75s being used to drain a pit containing API20 oil in Colombia.



14. PD100s being used in Colombia to recover oil from a bund and transfer to fast tanks.



15. Seldredge being operated in Central America to recover heavy oil from a harbour.

## Positive Displacement 'PD' Pumps

The 'PD' Spate pumps handle light and heavy oils plus petroleum industry products, including some of the more viscous liquids, at a high, non turbulent flow rate. It is also well suited to a variety of demanding conditions.

The unique design makes it the perfect pump for the control of oil pollution. It is world renowned for its suitability on all oil recovery applications and works in conjunction with a wide variety of recovery systems and skimmers. Simplicity of design and construction provides for total ease of maintenance.

These pumps can be fitted with spark arrestors and chalywn valves.

Diesel, petrol, electric, hydraulic and pneumatic drives can be fitted to suit individual needs.



## Solids Handling Seltorque 'S' Pumps

One of Selwood's original pump designs, its simplicity offers easy operation and unparalleled reliability coupled with inherent safety.

With solids handling capabilities of up to 100mm, the Selwood Seltorque range of vortex pumps form the foundation upon which the company's international reputation has been built.



## Hydraulic Submersible 'HS' Seldredge

The high performance hydraulic submersible Selwood hydrosub pumps comprise a range of pump models from 50mm - 200mm as well as the unique Seldredge unit.

The Seldredge is a modular system with a 150mm screw pump used to mix heavy sludges or oil and pump them away. Two 46cm rotors each side of the pump condition the oil or sludge into a liquid that can be pumped.

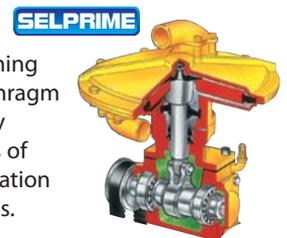
An HSP110 power pack is required to run the Seldredge. The hydraulic system can run on synthetic biodegradable or vegetable oil that significantly reduces harmful environmental pollution. The hydraulics incorporate a large return filter ensuring that any contaminants are captured and the fuel tank has flushing panels and a drain facility as well as providing 24hr running capability. Safety features include full engine protection and hydraulic shut down.



## Environmental Features

### Selprime

The unique original Selwood self priming system utilising a water tolerant diaphragm air pump. An environmentally friendly design that has none of the problems of oil vapour emissions and oil emulsification associated with other priming systems.



### Fully Bunded

All Super Silent units are fully bunded, ensuring that any fuel or oil spillage is retained within the bund and does not contaminate the surroundings. Drain plugs within the unit's chassis can then be used to remove the fluids.



### Super Silent

Selwood has a range of Super Silent units designed for applications in noise sensitive areas. With noise levels as low as 58db(A) at full speed and load, Selwood has the quietest and most environmentally friendly diesel pumps available today.

### Auto Stop/Start & Telemetry

Float control for automatic stopping and starting of the pump using the latest technology to give an easy to use, effective and efficient control.

Telemetry allows remote measurement and reporting of the pumps operation directly to pre-selected mobiles or land lines, providing real time alarm messages for high level float, failure/start, engine fault and emergency stop activation.

## 'PD' & 'S' Pumps

Specification		PD75	PD100	S100	S150	S200
Capacity	m <sup>3</sup> /h	30	77	165	320	560
Total Head	m	30.5	20	21.3	21.3	23
Max. Solids Size	mm	6	16	75	100	100
Air Handling	l/s	3.77	11.8	24	24	24
Power Required	kW	2.5	6	16	32	42
Pump Speed	rpm	1450	1000	1600	1600	1600
Inlet / Outlet	mm	75	100	100	150	200

### Length, Width, Height (cm)\* + Dry Weight

		100 x 64 x 69 (95kg)	249 x 120 x 128 (555kg)	264 x 122 x 162 (790kg)	272 x 122 x 160 (920kg)	-
		-	202 x 100 x 148 (583kg)	175 x 100 x 129 (845kg)	200 x 100 x 148 (995kg)	257 x 138 x 210 (2200kg)
		-	-	300 x 158 x 170 (1020kg)	309 x 158 x 190 (1210kg)	-
		-	-	233 x 153 x 178 (1620kg)	239 x 149 x 173 (1763kg)	281 x 161 x 210 (2340kg)
		-	-	409 x 177 x 210 (1960kg)	416 x 177 x 210 (2103kg)	-
<b>Super Silent db(A) @ 7m</b>		-	-	<b>59</b>	<b>62</b>	<b>62</b>

\* Excluding fittings

Specifications and illustrations are subject to revision without notice.

## HSP110 Power Pack & Seldredge

### Power Pack Specification

50mm Hydraulic Output	lt/min	20
150mm Hydraulic Output	lt/min	60
200mm Hydraulic Output	lt/min	120
50mm Hydraulic Pressure	Bar	118
50mm High Pressure	Bar	138
50mm Full Relief Valve	Bar	165
150mm Hydraulic Pressure	Bar	190
150mm Relief Valve	Bar	210
200mm Hydraulic Pressure	Bar	190
200mm Full Relief Valve	Bar	210

Hydraulic Oil Q8 Holbien 46

Engine Speed Max. rpm 1875

Fuel Tank Capacity ltrs 320

Fuel Consumption BEP lt/hr TBA

### Length, Width, Height (cm) + Dry Weight

	260 cm 142 cm 221 cm 2750 kg
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**Super Silent  
db(A) @ 7m**

TBA

### Seldredge - Screw

Capacity	m <sup>3</sup> /h	323
Total Head	m	23
Max. Solids Size	mm	75
Length	mm	1591
Width	mm	600
Height	mm	1183
Weight	kg	620*

\* Weight includes quick-hitch

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