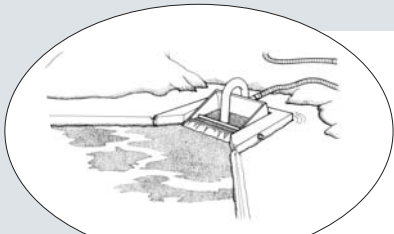
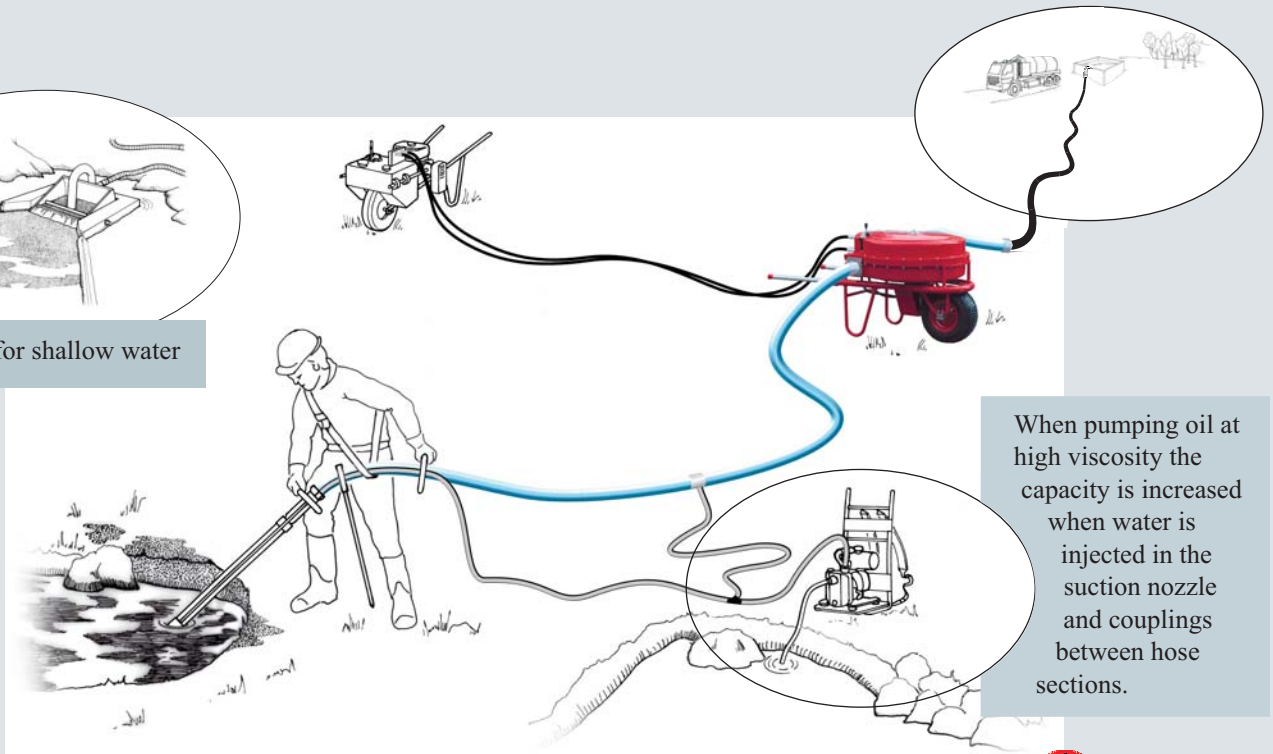


salarollpump®

CLEAN UP SYSTEM FOR OIL AND CHEMICALS



Skimmer for shallow water



When pumping oil at high viscosity the capacity is increased when water is injected in the suction nozzle and couplings between hose sections.



Clean up of oil on beaches or along pipe lines is one of the basic uses for the system.

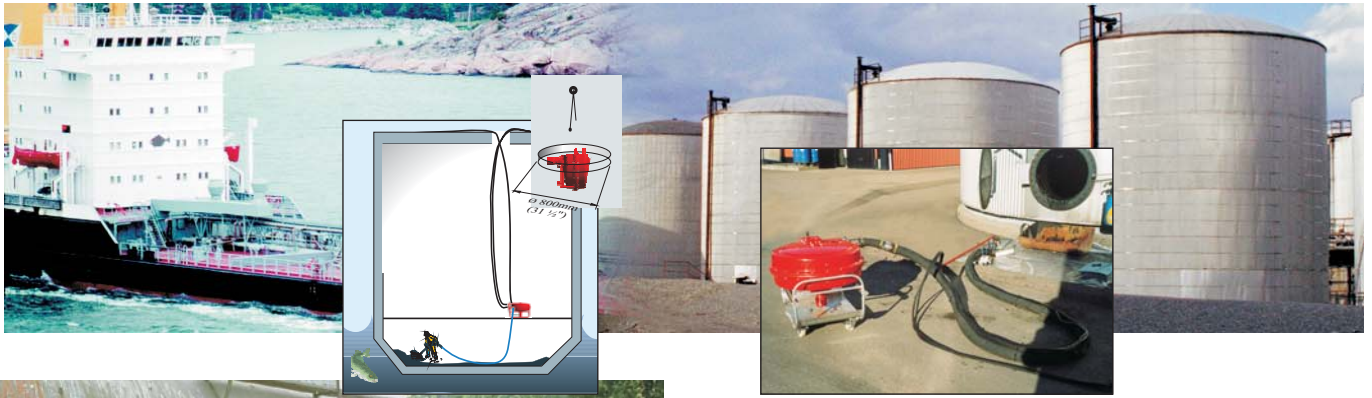
Salarollpump is a system for clean up of oil and chemicals in remote areas. Both pump and power pack are built as a portable unit for easy transport.

The pump is tolerant to debris. Stones up to 1 ½" (35mm) can pass through without damaging the pump. The extremely strong vacuum and long pump cycle makes suction of bunker c (no. 6 fuel oil) around freezing temperatures possible. The discharge pressure enables it to pump the media to a collecting container. The pump is hydraulically driven and the power pack can be equipped with diesel, gasoline or electric motor. The pump can run dry and suction starts as soon as the suction nozzle is placed in the media. Should a blockage occur, the hydraulic system can be reversed to clear the pump.

Function

The function is achieved with a peristaltic type of pump. A very strong hose is compressed by a rotating wheel. The suction is developed when the hose with its own force returns to its round shape. Discharge pressure is created by the force of the wheel moving the media. No mechanical parts will come in contact with the pumped media.





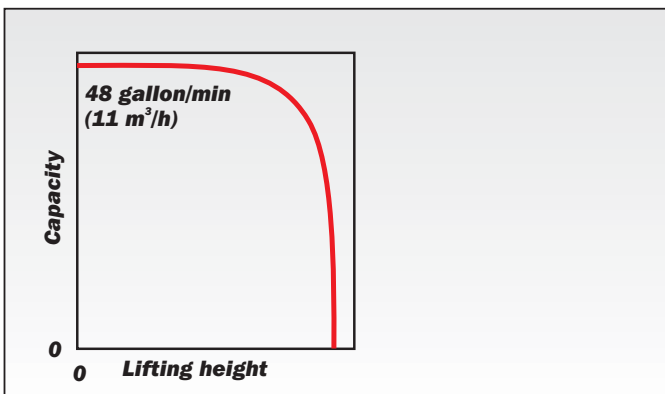
The system is suitable for operational clean up situations such as the cleaning of industrial and marine tanks. A number of different accessories are available for this purpose.

The standard inner lining of the pump hose is nitril for long term pumping of oil but the material can also handle short term operations of a number of aggressive chemicals. The risk for sparks is very small as the power pack can be placed outside the hazardous area and the rotating speed of the pump is very low. Also the system can easily be grounded to earth.

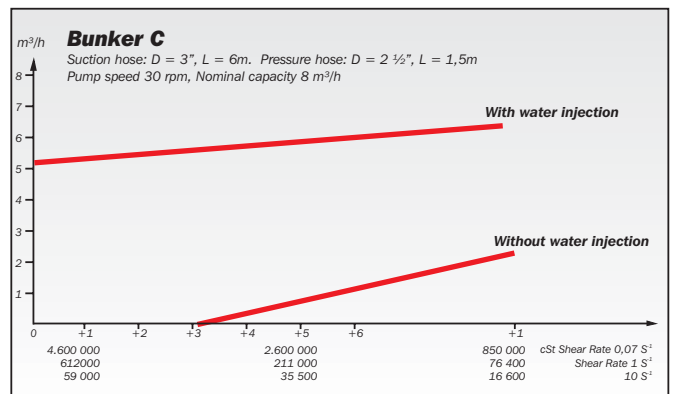


The ease of transporting the system is further enhanced by handles that attach to both the pump and power pack for lifting in difficult terrain or by wheeling it as a wheel barrow.

An all terrain vehicle or band driven vehicle attached to a trailer is available to transport the pump and power pack to the impacted area. The trailer can also be used for transporting smaller amounts of oil in sacks or barrels to the collecting area.



Close to full capacity is achieved at theoretical maximum suction height of approximately 33ft (10m) with water. The most important effect of this is the pump's unique suction capability when dealing with high viscous media.



Pump tests have been carried out which indicates that the limit for suction with a 20ft (6m) suction hose is a viscosity of 3.5 million cst measured at a shear rate of 0.07 s⁻¹. With water injection on the suction, a capacity of 22 gpm (5m³/hr) was possible at a viscosity of 5 million cst.

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