

Application story


WANNERTM
HYDRA-CELL[®] PRO
SEAL-LESS PUMP TECHNOLOGIES



Seawater Removal in Submarine Rescues

Location	Canada	Hydra-Cell model	H25XFSNNNEC
Type of application	Seawater Removal in Submarine Rescues	Flow rate	75 l/min (20 gpm)
Liquid	Seawater	Pressure	54-70 bar (780-1000 psi)
Application details	A remote controlled rescue submarine called 'Remora' incorporates an H25 into its system. The Remora locks itself onto the hatch of a disabled submarine and the H25 is used to pump the water out from between the two vessels to allow the crew of the disabled sub to escape to the rescue sub. The pump and hydraulic motor are mounted outside of the unit and operate to depths of 500 metres. Certain modifications were necessary to adjust for the pressure difference in the oil cap and shaft seals.		
Advantages of Hydra-Cell pump on this application	Ability to handle seawater reliably. High pressure pumping.		

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