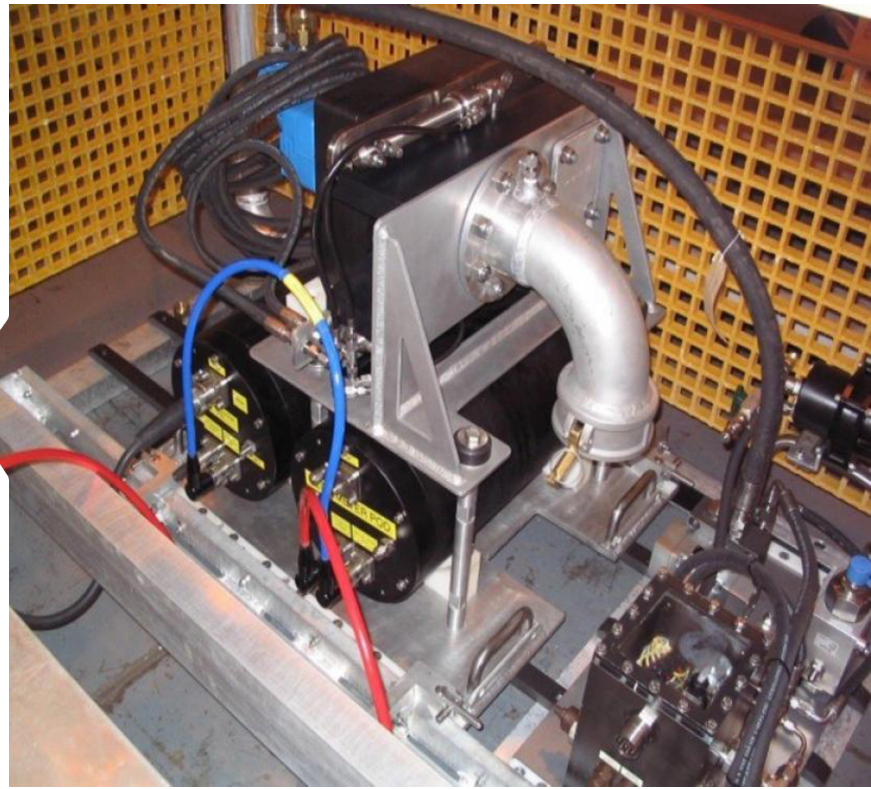


# AZ20 Suction Pile Installation Tool

## SUCTION CANS / PIGGING AND TESTING

Product Number:  
DR-RSE-036-010



The AZ20 system is designed for the installation and blow out of suction piles. The system comprises four main components: An AnchorZip 20 suction pump; a non-invasive flow meter; a differential pressure transducer housed in a bottle; and a data acquisition bottle (to collect and record the data from the system)

The systems is suitable for mounting in the centre-desk area of an ACV or on the rear of other work class vehicles within a "rear deck frame". The interface the suction pile is typically a project/Client supplied hot stab deployed by the manipulator.

- Hydraulically driven by close coupled hydraulic motor
- Change between pump and suck mode without ROV recovery
- Maximum theoretical flow rate 3500lpm
- Nominal flow rate 500 lpm with 2" hot-stab (limiting factor)
- Maximum pressure (blow mode) of +5 bar
- Maximum theoretical pressure (suction mode) of -5 Bar



<b>Dimensions (Tray Module)</b>	690mm high x 739mm long x 653mm wide
<b>Weight (Tray Module)</b>	Air: 145kg Water: 100kg
<b>Weight (Rear Frame)</b>	Air: 570kg Water: 30kg
<b>Hydraulic Supply</b>	AnchorZip Supply: Variable up to 140lpm @ 190bar Suck/Blow Function: 5lpm @ 190bar PO Check Valve Pilot: 5lpm @ 190bar
<b>Supply Fluid</b>	Mineral Oil
<b>Output Flow</b>	Range: 1000-3500lpm Nominal output flow: 2000lpm (unrestricted, 0.5bar pressure differential) Practical output flow: 500lpm (with limited factor of 2" hot stab)
<b>Output Pressure</b>	Maximum output pressure (blow): +5bar Theoretical maximum output pressure (suction): -5bar
<b>Deployment</b>	Tray mounted (ACV) Backpack mounted (other work class ROVs)
<b>Control &amp; Monitoring</b>	Suction rate controlled topside by ROV hydraulic supply to motor Laptop computer provides data monitoring and logging facility Real time monitoring of differential pressure and pump flow rate Subsea data acquisition and flow-meter pods Ultrasonic flow-meter

