

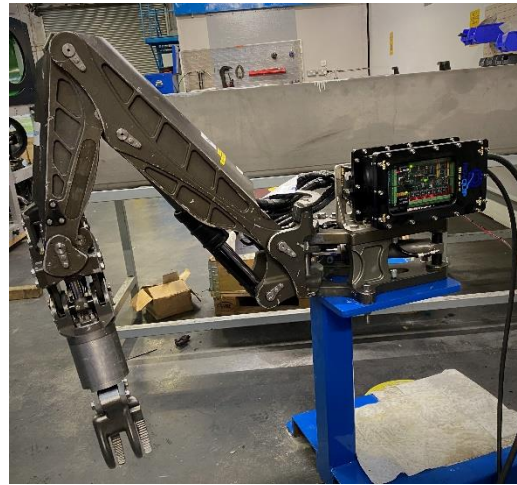
# RQ-068-006 – Manipulator Control Valve Pack

## WHATS INCLUDED

Manipulator Control Valve Pack.  
Laptop with Software.  
Pendant and/or gamepad controller.  
Operational Hoses.  
Operations Manual.  
Certificate Pack.

## OPTIONS

Atlas, Orion and T4 manipulator.  
Spares Kit.



## Description

Our Manipulator Control Valve Packs were designed to enable fully proportional control of manipulators. The Atlas manipulators are becoming more popular as a robust 7 function system. Used with the ROVQUIP IVP and software we are able to offer fine control of these systems.

Gamepad and T4 like pendant control options.

All our valve packs are supplied with a laptop installed with our in-house control software.

The ROVQUIP pendant and gamepad are offered for different control preferences

## Key Features;

- Enables Fully Proportional Control
- Rate Control of All Joints on Software
- Gamepad and T4 like Pendant control options
- Custom GUI
- Close Fitted IVP
- 2 hoses and 1 cable to connect
- Compact
- No electric sensors required with arm

The Software provides control to the Board via RS232 / RS 485 which in turn can drive both on / off and proportional valves.

Our PCB's and software are all developed and controlled in house to ensure we can provide the best long-term support.

We also have Thruster Control, TMS Control, General Function and ROV Tooling Valve Packs available.



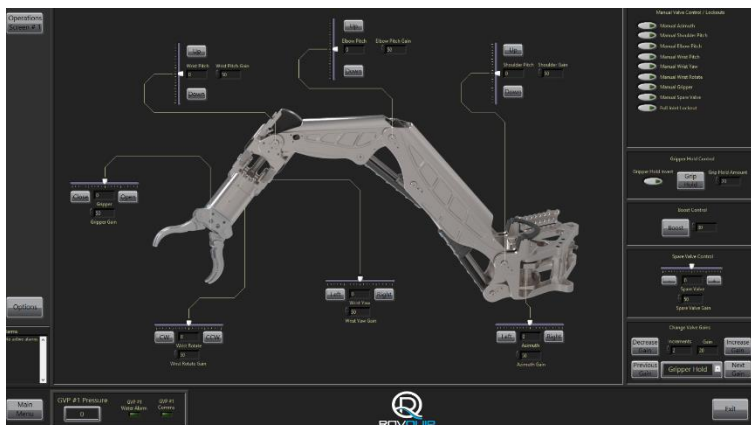
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## Features and Benefits

- 3000m rated valve pack
- Compact, lightweight, durable
- Cost effective
- User friendly, easy to configure GUI
- Pressure Tolerant Electronics
- Uses proven Wandfluh NG3 valves
- Serial Control
- Software Diagnostics
- Phoenix connectors mounted on top of the valves facilitate the ease of removing the valves from the pack without disturbing the harness also when the need arise to change over from on/ off valves to Proportional valves
- 2 off Manual Pressure Reducing valves
- Externally Stainless-Steel Adjustable Flow Control valve
- Externally Adjustable Pressure Line Relief valve
- Removable PO Check Valves on stations when not required
- 8 off Digital Inputs
- 16 off Analogue Inputs
- Full Certification –
- Pressure tested
- Flushing tested
- Electrically tested earth leakage tested
- T4 mounting plate adaptor

## Software

The software's main screen (shown) gives access to all the setup and operation of the valve pack, along the bottom of this screen there are communication indicators which provide quick and accurate information on the status of the communication link. Within the main page we have rate control of all joints.



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