

IHPU DCV Backpack



The Dual Media Intensifier Backpack is designed to supply pressurised media through a 3.9:1 ratio Minibooster pump. It is a dual media pump which means the circuit is split into a low-pressure input side and a high-pressure output side. On the low-pressure side, the panel has adjustable valves to allow pressure and flow control, depending on the required output of the pump. On the high-pressure side there is a 5kpsi rated, 3 station pilot operated directional control block providing 3x A&B functions. The panel has a safety relief valve on the high-pressure side to ensure the pump cannot exceed a predetermined output pressure. Can be fitted to various ROV's.

Specifications

Input Pressure (max)	3,000psi (210bar)
Input Flow (max)	40lpm
PO Check	Pilot to open
Flow Control Valve	Set to 38 LPM The valve is adjustable up to 45LPM
Pressure Reducing Valve	Set to 1,300psi The above setting ensures an output pressure from the pump suitable for the directional control valves on the HP Side of the pump (5kpsi). The valve is adjustable up to 3,000psi (210bar).
Pump Output Pressure (max)	10,000psi (690bar) NOTE: the pump is capable of up to 10,500 but should be restricted to 10,000psi in line with pressure rating of components.
Pump Output Flow (max)	8.7 LPM

HP Pressure Relief Valve	Set to 5,400psi Set ~5% above max working pressure. Can be adjusted if required from 1,000 - 10,000psi
3 Station Directional Control Block	*Max Working Pressure 5,000psi* Allows the directional control of the HP output. This is controlled via pilot control lines.
Input Connections	ROV Pressure Supply: 8JIC ROV Tank: 8JIC Pump On: 4JIC Pilot 1A: 4JIC Pilot 1B: 4JIC Pilot 2A: 4JIC Pilot 2B: 4JIC Pilot 3A: 4JIC Pilot 3B: 4JIC *All hoses supplied 2.5m lg*
Output Connections	1A Out: 6JIC 1B Out: 6JIC 2A Out: 6JIC 2B Out: 6JIC 3A Out: 6JIC 3B Out: 6JIC *All hoses supplied 5m lg*
Fluid Capacity	80 litres (2x 40L Bladders) Or 2x 16L Compensators
Weight	165kg In water: 115kg
Size	1420 x 540 x 900mm