

Atlas 7F Rate Controlled Manipulator System



The Atlas Rate system may be installed on either the port or starboard side of the ROV and is available in two connector configurations. The Joint Sensor Kits are installed on to the exterior of the manipulator at each of the linear actuator joints (Azimuth, Shoulder, Elbow, Pitch and Yaw). A sensor cable is mounted on top of each kit.

Valvepack description: The valve pack comes with 2 connector options and is conveniently mounted to the base of the manipulator. It features seven servo valves in line with lock/relief valves for the Azimuth, Shoulder, Elbow, Pitch and Yaw joints. The controller PCA provides power and communications to the servo valves and joint sensor cables. The depth rating of the standard valve pack is 4000m

Circuit	Purpose	Requirements	Connector Type
Hydraulic	Pressure	3000 psi max (207 bar)	-4 JIC
	Return	350 psi max (24 bar)	-6 JIC
	Compensation	15 psi max	-4 JIC
Electrical	Manipulator Power and Telemetry	26 VDC, 30 W Serial Communications	20 Shell, 8 Pin Burton

Specifications

Depth Rating (arm)	6500msw
Depth Rating (valve pack)	4000 msw