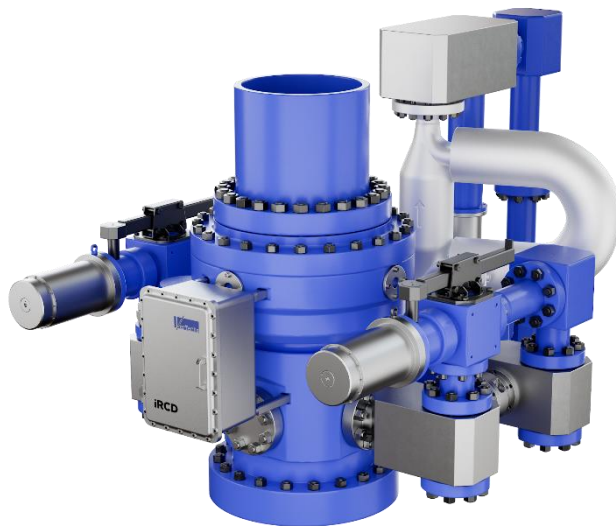


iRCD Pro Max

Vertechs iRCD Pro Max is an electric integrated wellbore pressure control system, upgraded from iRCD Pro to support micro-flow, deepwater, and other specialized operations. It expands pressure control capabilities from WBP to PMCD, FMCD, and MPC, fully replacing the functions of RCD and MPD manifolds with a single solution. Enhanced by intelligent control algorithms, iRCD Pro Max delivers greater flexibility, precision, and safety while reducing maintenance requirements and operational risks. It is customizable for land rigs, modular rigs, and jack-up rigs, improving overall efficiency, reliability, and cost-effectiveness.



FEATURES

- Enable transition from WBP to PMCD, FMCD, and MPC
- Integrate all functions of iRCD and IPC MPD systems in a compact system (< 75 ft² (7m²)) with $\pm$ 15 psi ($\pm$ 0.1 MPa) pressure control accuracy
- Reduce deployment time by 60%, crew by 50%, and costs by 30% compared with a conventional MPD spread

- Upgrade service available from iRCD Pro to iRCD Pro Max
- Applicable to land rigs, modular rigs, and jack-up rigs

SPECIFICATIONS

iRCD Pro Max SPECIFICATIONS			
Compliant With	API 16RCD, 16C, 16A	Latching System Actuator	Electric (48V DC, Explosion-proof, Non-decoupled)
Static Pressure Rating	5,000 psi [35 MPa]	RCD	iRCD Spec.
Branches	2 Choke Branches 1 Direct (Bypass) Branch 1 Flow meter Branch	Outlet Size	4 1/16 in
Valves Qty	9-10 pcs (Customizable)	Mass Flow Meter	1 set
Footprint	< 75 ft ² [< 7 m ²]	Pressure Control Accuracy	±15 psi [±0.1 MPa]
Packing Elements	Single / Dual	Lubricating & Cooling	Self-lubricating

iRCD SPECIFICATIONS			
API Monogrammed	API 16RCD	Latching System Actuator	Electric (Low-voltage DC,

			Explosion-proof, Non-decoupled)
Static Pressure Rating	5,000 psi [35 MPa]	Dynamic Pressure Rating	2,500 psi [17.5 MPa]
Bearing Assembly Through-Bore	8 1/4 in [210 mm]	Bottom Flange	13 5/8 in
Housing Outlet	7 1/16 in, 4 1/16 in, 2 1/16 in (Customizable)	RPM	0-200 rpm
Housing Height	53 in [1,345 mm]	Weight	8,400 lbs [3.8 MT]
Packing Elements	Single / Dual	Lubricating & Cooling	Self-lubricating

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