










HVAC Linecard

rotork®

Keeping the World Flowing
for Future Generations

Actuation					
Range	Application	Description	Models	Performance	Key Features
ExMax 	Air-dampers and quarter-turn valves	Electric quarter-turn explosion proof actuators for air, fire and smoke damper automation	ExMax, RedMax, InMax	Torque range 5 up to 150 Nm (44 up to 1,300 lbf-in)	<ul style="list-style-type: none"> Hazardous locations zone 1, 2, 21, 22/Div 1, 2 (InMax for safe areas) Fast operating speeds (~1 sec.) Universal power supply Stainless steel and marine/offshore painted solutions Easy installation
ExMax + LIN & ExRun 	Linear valves	Electric linear explosion proof actuators for automation of all kind of linear valves	ExMax... + LIN, ExRun, RedRun, InRun	Thrust range 500 up to 10,000 N (112 up to 2,200 lbf)	<ul style="list-style-type: none"> Hazardous locations zone 1, 2, 21, 22/Div 1, 2 (InMax + LIN/InRun for safe areas) Universal power supply Marine/offshore painted solutions Easy installation
InMax-L 	Damper for tunnels and quarter-turn valves	Electric quarter-turn actuators for tunnel damper automation in safe areas	InMax-L...-F, InMax-L...-S, InMax-L...-SF	Torque range 150 up to 500 Nm (1,300 up to 4,400 lbf-in)	<ul style="list-style-type: none"> Compact design Integral anti condensation heater Spring return time ~10 s/90° Double acting fail safe (spring return, by models ...-F, ...-SF) Robust and efficient power supply (using toroidal transformer)
IQT 	Air-dampers and quarter-turn valves	Electric actuator for all quarter-turn valve applications requiring control and flexibility	IQT125, IQT250, IQT500, IQT1000, IQT2000	50 up to 2,000 Nm (37 up to 1,476 lbf-in)	<ul style="list-style-type: none"> Intelligent communication options with multilingual display Isolating/regulating Non-intrusive set-up Digital, analogue or Bus remote control Self locking output
CPDS 	Air, fire and smoke dampers, quarter-turn valves, for critical environments in hazardous locations or industrial areas	Compact quarter-turn pneumatic actuator for emergency shut off and fire dampers Configured actuator, solenoid and limit switch box	CPDS	Torque range 5 up to 150 Nm (44 up to 1,300 lbf-in) With spring return Operating time less than 1 sec.	<ul style="list-style-type: none"> Components from single source, compact Fast operating opening and closing Spring return Easy installation Stainless steel and aluminium No pipework Low temperature solutions
CVA/CMA 	Process control valve and pump applications	Control valve and compact modulating actuators, linear, quarter-turn and rotary	CVL-500/1000/1500/5000 CVQ-1200/2400 CML-100/250/750/1500/3000 CMQ-250/500/1000 CMR-50/100/200/89/125/250 50/100/200/89/125/250	Linear: Thrust range 890 up to 22,241 N (200 up to 5,000 lbf) Rotary: Torque range 54 up to 271 Nm (480 up to 2,400 lbf-in) ¼-turn: Torque range 124 Nm (1,100 lbf-in)	<ul style="list-style-type: none"> High performance, continuous unrestricted modulating duty – S9 (CVA) Non-intrusive setup/calibration using <i>Bluetooth</i>® wireless technology (CVA) Comprehensive datalogging (CVA) Precise control and continuous modulation (CMA) Easy set-up via 6-segment LCD display and pushbutton configuration (CMA) Options: Local controls and fail-to-position Rotork Power Pack (CMA)
ROM/ROMpak 	Small ball valves and butterfly valves, air-dampers and ventilation louvres	Quarter-turn direct drive actuators	ROM-A/ROM-1/ROM-2,3/ ROM-4,5/ROM-6,7 ROMpak-A/ROMpak-1/ ROMpak-2,3/ROMpak-4,5&6	Torque range 8 up to 800 Nm (70 up to 7000 lbf-in)	<ul style="list-style-type: none"> Small, compact and lightweight Efficient yet simple gearing On - Off Single-phase, three-phase and DC versions

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Range	Application	Description	Models	Performance	Key Features
GT/GTS 	Air-dampers and valves	Small rack and pinion pneumatic actuators	GT, GTS	Torques 2.4 up to 5,800 Nm (21 up to 51,300 lbf-in)	<ul style="list-style-type: none"> Single- and double-acting pneumatic piston actuators Standard 90°, 120°, 180° and 240° upon application 90° position from -5° to +5° 2 to 10 bar air supply
RC 		Small scotch yoke actuators	RC200	Torque output up to 4,400 Nm (38,900 lbf-in)	<ul style="list-style-type: none"> Single- and double-acting pneumatic piston actuators Scotch yoke actuators Optional electro/hydraulic versions Optional manual override

Sensors and Instruments					
Range	Application	Description	Models	Performance	Key Features
ExReg Controller System 	Designed for use in Ex areas for all gases, mists, vapours and dust	HVAC controller unit for hazardous locations	ExReg, RedReg, InReg	Pressure/VAV (Reg-V...-A): 0 up to 1,000 Pa (0...4" wg) Temperature (Reg-D-A): -40 up to +125 °C (-40...257 °F) Humidity (Reg-D-A): 0 up to 100 %rH	<ul style="list-style-type: none"> Hazardous locations zone 1, 2, 21, 22 (InReg for safe areas) Decentralized control structures Integral PID loop Predefined settings, predefined damper characteristics Stainless steel and marine/offshore painted solutions
ExCos & ExBin Sensors 		Analogue and binary (switching) sensors	Analog (...Cos) and binary, switching (.Bin) sensor series for hazardous locations for differential pressure, temperature and humidity control applications	ExCos, RedCos, InCos; ExBin, RedBin, InBin	Temperature: -40 to +125 °C (-40...257 °F) Pressure: 0 up to 100 Pa (0...0.4" wg) Humidity: 0 up to 100 %rH
Switchboxes & Control Units 	Actuators, valves, or in conjunction with a hand wheel or lever	Switchboxes and control unit	SP Series, SK/SQ Series	Housing variants: Plastic, aluminium, stainless steel	<ul style="list-style-type: none"> Remote electrical indication of linear valve/actuator position Omega control unit combines a compact enclosure with limit switches, visual indication and integral solenoid for position plus valve actuator control Enhances instrumentation and valve performance and control
Positioners & Pneumatic Components 	HVAC and fire protection systems	Stainless steel positioners and pneumatic components	ACS: Filters, Pressure and Filter Regulators Landon: Free Fall Fire Valves, Gas Safety Panels, Level Control Equipment	ACS: Input pressures from 0 up to 20 bar; Regulated pressure range from 0.5 up to 12 bar	<ul style="list-style-type: none"> Specialist manufacturer of stainless steel large flow air service equipment for filtration and regulation of compressed air and gases for the actuation industries Enhances instrumentation and valve performance and control
Positioners 		Pneumatic actuators and control valves	Positioners to control damper and valve position	E/P: YT-1000/1050 P/P: YT-1200 Smart: YT-2500/2550, YT-2600, YT-3300/3350, YT-3400/3450	E/P, P/P: Lin. ± 1...2 %, Hys. ± 1 %, Sens. ± 0.2...0.5 %, Rep. ± 0.5 % Smart: Lin. ± 0.5 %, Hys. ± 0.5 %, Sens. ± 0.2 %, Rep. ± 0.3 %

