










Keeping the World Flowing  
for Future Generations

# HVAC Linecard



Actuation					
Range	Application	Description	Models	Performance	Key Features
<b>ExMax</b> 	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"> <li>Hazardous locations zone 1, 2, 21, 22/Div 1, 2 (InMax for safe areas)</li> <li>Fast operating speeds (~1 sec.)</li> <li>Universal power supply</li> <li>Stainless steel and marine/offshore painted solutions</li> <li>Easy installation</li> </ul>
<b>ExMax + LIN &amp; ExRun</b> 	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"> <li>Hazardous locations zone 1, 2, 21, 22/Div 1, 2 (InMax + LIN/InRun for safe areas)</li> <li>Universal power supply</li> <li>Marine/offshore painted solutions</li> <li>Easy installation</li> </ul>
<b>InMax-L</b> 	Damper for tunnels and quarter-turn valves	Electric quarter-turn actuators for tunnel damper automation in safe areas	InMax-L-180-F, InMax-L-180-SF	Torque range 180 Nm (1,600 lbf-in)	<ul style="list-style-type: none"> <li>Compact design</li> <li>Integral anti condensation heater</li> <li>Spring return time ~10 s/90°</li> <li>Double acting fail safe (spring return)</li> <li>Robust and efficient power supply (using toroidal transformer)</li> </ul>
<b>IQT</b> 	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 (440 up to 17,700 lbf-in)	<ul style="list-style-type: none"> <li>Intelligent communication options with multilingual display</li> <li>Isolating/regulating</li> <li>Non-intrusive set-up</li> <li>Digital, analogue or Bus remote control</li> <li>Self locking output</li> </ul>
<b>CPDS</b> 	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"> <li>Components from single source, compact</li> <li>Fast operating opening and closing</li> <li>Spring return</li> <li>Easy installation</li> <li>Stainless steel and aluminium</li> <li>No pipework</li> <li>Low temperature solutions</li> </ul>
<b>CVA/CMA</b> 	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"> <li>High performance, continuous unrestricted modulating duty – S9 (CVA)</li> <li>Non-intrusive setup/calibration using <i>Bluetooth</i>® wireless technology (CVA)</li> <li>Comprehensive datalogging (CVA)</li> <li>Precise control and continuous modulation (CMA)</li> <li>Easy set-up via 6-segment LCD display and pushbutton configuration (CMA)</li> <li>Options: Local controls and fail-to-position Rotork Power Pack (CMA)</li> </ul>
<b>ROM/ROMpak</b> 	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"> <li>Small, compact and lightweight</li> <li>Efficient yet simple gearing</li> <li>On - Off</li> <li>Single-phase, three-phase and DC versions</li> </ul>

continued over...

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

Sensors and Instruments					
Range	Application	Description	Models	Performance	Key Features
<b>ExReg Controller System</b> 	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"> <li>• Hazardous locations zone 1, 2, 21, 22 (InReg for safe areas)</li> <li>• Decentralized control structures</li> <li>• Integral PID loop</li> <li>• Predefined settings, predefined damper characteristics</li> <li>• Stainless steel and marine/offshore painted solutions</li> </ul>
<b>ExCos &amp; ExBin Sensors</b> 					
	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) 0 up to 5,000 Pa (0...20" wg) Humidity: 0 up to 100 %rH	<ul style="list-style-type: none"> <li>• Hazardous locations zone 1, 2, 21, 22 (InCos/InBin for safe areas)</li> <li>• No transducer in panel needed</li> <li>• No intrinsic safe circuits needed</li> <li>• Actual value indication</li> <li>• Easy parameterization</li> <li>• Stainless steel and marine/offshore painted solutions</li> </ul>
<b>Switchboxes &amp; Control Units</b> 	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"> <li>• Remote electrical indication of linear valve/actuator position</li> <li>• Omega control unit combines a compact enclosure with limit switches, visual indication and integral solenoid for position plus valve actuator control</li> <li>• Enhances instrumentation and valve performance and control</li> </ul>
<b>Positioners &amp; Pneumatic Components</b> 	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"> <li>• Specialist manufacturer of stainless steel large flow air service equipment for filtration and regulation of compressed air and gases for the actuation industries</li> <li>• Enhances instrumentation and valve performance and control</li> </ul>
<b>Positioners</b> 					
	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%	<ul style="list-style-type: none"> <li>• Robustness</li> <li>• Auto calibration</li> <li>• PID parameters</li> <li>• Communication protocols</li> </ul>

