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<th>Actuation</th>
<th>Range</th>
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<tr>
<td>Actuation</td>
<td>ExMax</td>
<td>Air-dampers and quarter-turn valves</td>
<td>Electric quarter-turn explosion proof actuators for air, fire and smoke damper automation</td>
<td>ExMax, RedMax, InMax</td>
<td>Torque range 5 up to 150 Nm (44 up to 1,300 lbf-in)</td>
<td>• 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</td>
</tr>
<tr>
<td>Actuation</td>
<td>ExMax+LIN &amp; ExRun</td>
<td>Linear valves</td>
<td>Electric linear explosion proof actuators for automation of all kind of linear valves</td>
<td>ExMax… + LIN, ExRun, RedRun, InRun</td>
<td>Thrust range 500 up to 10,000 N (112 up to 2,200 lbf)</td>
<td>• 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</td>
</tr>
<tr>
<td>Actuation</td>
<td>InMax-L</td>
<td>Damper for tunnels and quarter-turn valves</td>
<td>Electric quarter-turn actuators for tunnel damper automation in safe areas</td>
<td>InMax-L…, InMax-L…-S, InMax-L…-f, InMax-L…-SF</td>
<td>Torque range 150 up to 500 Nm (1,300 up to 4,400 lbf-in)</td>
<td>• 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)</td>
</tr>
<tr>
<td>Actuation</td>
<td>IQT</td>
<td>Air-dampers and quarter-turn valves</td>
<td>Electric actuator for all quarter-turn valve applications requiring control and flexibility</td>
<td>IQT125, IQT250, IQT500, IQT1000, IQT2000</td>
<td>50 up to 2,000 Nm (37 up to 1,476 lbf-in)</td>
<td>• Intelligent communication options with multilingual display • Isolating/regulating • Non-intrusive set-up • Digital, analogue or Bus remote control • Self locking output</td>
</tr>
<tr>
<td>Actuation</td>
<td>CPDS</td>
<td>Air, fire and smoke dampers, quarter-turn valves, for critical environments in hazardous locations or industrial areas</td>
<td>Compact quarter-turn pneumatic actuator for emergency shut off and fire dampers Configured actuator, solenoid and limit switch box</td>
<td>CPDS</td>
<td>Torque range 5 up to 150 Nm (44 up to 1,300 lbf-in) With spring return Operating time less than 1 sec.</td>
<td>• Components from single source, compact • Fast operating opening and closing • Spring return • Easy installation • Stainless steel and aluminium • No pipework • Low temperature solutions</td>
</tr>
<tr>
<td>Actuation</td>
<td>CVA/CMA</td>
<td>Process control valve and pump applications</td>
<td>Control valve and compact modulating actuators, linear, quarter-turn and rotary</td>
<td>CVL-500/1000/1500/5000 CVQ-1200/2400 CMIL-100/250/750/1500/3000 CMQ-250/500/1000 CMR-50/100/200/89/125/250 50/100/200/89/125/250</td>
<td>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) ⅛-turn: Torque range 124 Nm (1,100 lbf-in)</td>
<td>• High performance, continuous unrestricted modulating duty – S9 (CVA) • Non-intrusive setup/calibration using Bluetooth® 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)</td>
</tr>
<tr>
<td>Actuation</td>
<td>ROM/ROMpak</td>
<td>Small ball valves and butterfly valves, air-dampers and ventilation louvres</td>
<td>Quarter-turn direct drive actuators</td>
<td>ROM-A/ROM1/ROM2,3/ ROM-4,5/ROM-6,7 ROMpak-A/ROMpak-1/ ROMpak-2,3/ROMpak-4,5&amp;6</td>
<td>Torque range 8 up to 800 Nm (70 up to 7000 lbf-in)</td>
<td>• Small, compact and lightweight • Efficient yet simple gearing • On - Off • Single-phase, three-phase and DC versions</td>
</tr>
</tbody>
</table>

continued over...
### Key Features

**RC200**

- **Hydraulic versions**
- **Actuator position**

**Housing variants:**

- **SP Series**, **SK/SQ Series**

- **Torque output up to 4,400 Nm**

### Performance

- **Torques 2.4 up to 5,800 Nm**
- **(21 up to 51,300 lbf-in)**

### Key Features

- **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**

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### Sensors and Instruments

**ExReg Controller System**

- **Designed for use in Ex areas for all gases, mists, vapours and dust**

- **HVAC controller unit for hazardous locations**

- **Models**

  - **ExReg**, **RedReg**, **InReg**

- **Performance**

  - **Pressure**: (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

### Key Features

- **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 marinelofshore painted solutions**

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**ExCos & ExBin Sensors**

- **Analogue and binary (switching) sensors**

- **Models**

  - **ExCos**, **RedCos, InCos**
  - **ExBin, RedBin, InBin**

- **Performance**

  - **Temperature**: -40 up to +125 °C (~40…257 °F)
  - **Pressure**: 0 up to 100 Pa (0…0.4” wg)
  - **Humidity**: 0 up to 5,000 Pa (0…20” wg)

### Key Features

- **Hazardous locations zone 1, 2, 21, 22** (InCos/InBin for safe areas)
- **No transducer in panel needed**
- **No intrinsic safe circuits needed**
- **Actual value indication**
- **Easy parameterization**
- **Stainless steel and marinelofshore painted solutions**

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**Switchboxes & Control Units**

- **Actuators, valves, or in conjunction with a hand wheel or lever**

- **Models**

  - **SP Series**, **SK/SQ Series**

- **Performance**

  - **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**

### Key Features

- **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**

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**Positioners & Pneumatic Components**

- **HVAC and fire protection systems**

- **Stainless steel positioners and pneumatic components**

- **Models**

  - **ACS: Filters, Pressure and Filter Regulators**
  - **Pneumatic valve actuator control**
  - **Positioners and control valves**

- **Performance**

  - **ACS: Input pressures from 0 up to 20 bar; Regulated pressure range from 0.5 up to 12 bar**

### Key Features

- **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**

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**Positioners**

- **Pneumatic actuators and control valves**

- **Models**

  - **E/P: YT-1000/1050**
  - **P/P: YT-1200**
  - **Smart: YT-2500/2550, YT-3300/3350, YT-3400/3450**

- **Smart Parameters**

  - **Lin. ± 1…2 %**, **Hys. ± 1 %**, **Sens. ± 0.2…0.5 %, Rep. ± 0.5 %**

  - **Lin. ± 0.5 %**, **Hys. ± 0.5 %**, **Sens. ± 0.2 %, Rep. ± 0.3 %**

### Key Features

- **Robustness**
- **Auto calibration**
- **PID parameters**
- **Communication protocols**

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