A water distribution pump station is designed for flow and pressure management for a part of the entire water distribution system.

For pressure management from the main pumping station all the way to the tap, the water distribution pump station ensures minimized water losses, reduced energy consumption and minimized operational costs for leaks and pipe maintenance.

Pumps and controls for the entire water distribution system are located in main and local pumping stations. Pump optimization and pressure control solutions increase pump and system efficiency, ensure correct water pressure at the consumer and high reliability and intelligent surveillance of the water distribution system.

Process Instrumentation products do ensure safe and correct distribution by our devices which can also operate under severe process conditions like pressure peaks, vibration etc. Beside this our equipment fulfills the necessary requirements alongside with international certifications.
### SITRANS P300 – Digital pressure transmitter

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
</table>
| Measuring range          | Gauge pressure: 0 to 1 bar ... 0 to 400 bar  
                          | Absolute pressure: 0 to 250 mbar a ... 0 to 30 bar a |
| Wetted parts material    | Stainless steel 316L (1.4404)  
                          | Hastelloy C-276 |
| Process temperature      | Without remote seal: -40 to 200 °C (-40 to 392 °F)  
                          | With remote seal: -90 to 400 °C (-130 to 752 °F) |

**Benefits:**
- Hygiene-based design according to EHEDG, FDA and GMD recommendations
- Easy to clean
- Front flush membrane for hygienic safety with a wide variety of hygienic process connections and remote seals available

### SITRANS F M MAG 1100 F with MAG5000/MAG6000 – Electromagnetic flow sensor with transmitter

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter</td>
<td>DN10 to DN100 (3/8” to 4”)</td>
</tr>
</tbody>
</table>
| Wetted parts material    | Lining: Ceramic, PFA  
                          | Electrodes: Platinum, Hastelloy  
                          | Gasket: EPDM, NBR, FKM/FPM |
| Medium temperature       | Ceramic: -20 to 150 °C (-4 to 302 °F)  
                          | PFA: -30 to 130 °C (-22 to 266 °F) |

**Benefits:**
- Corrosion resistant stainless steel 316L (1.4404) sensor housing
- Hygienic process connections with all hygienic approvals like: 3A, EHEDG, compliant to FDA
- Compact or remote mounting possible, easy „plug and play“, field changeable

### SIPART PS2 – Electropneumatic positioner

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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</table>
| Stroke/rotary range      | 3 to 200 mm (larger strokes available on request)  
                          | 30° to 100°                                |
| Housing material         | Makrolon®, aluminum, stainless steel |
| Ambient temperature      | -40 to 80 °C (-22 to 176 °F)          |

**Benefits:**
- Extensive diagnostic functions as standard
- Negligible air consumption in stationary operation
- High-grade control quality

Siemens plant-wide future-proof automation, based on drives technology and industrial software and services, will enable your machine or plant to exploit all possible potential for optimization. Besides instrumentation we offer further suitable products to complete your application needs.

### SIMATIC HMI
- Optimized operator control and monitoring systems using open and standardized interfaces

### Wireless Network Components
- Highly flexible and efficient automation solutions for various wireless networks

### Low-Voltage Motors
- SIMOTICS and LOHER motors are the right fit for every drive concept

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The information provided in this Flyer contains descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective features shall only exist if expressly agreed in the terms of contract. Availability and technical specifications are subject to change without prior notice. All product designations may be trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes could violate the rights of the owners.

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