The HygroMatik FlexLine Plus units complement the FlexLine series with an extremely robust and long-lasting design on new heater type steam generators.

- Steam cylinders made of corrosion-resistant stainless steel
- Integrated rinsing and lime collection system
- Hygienic and mineral-free steam
- Individual configuration
The robust stainless steel cylinders – high quality and hygienically clean.

The stainless steel cylinders of the HygroMatik FlexLine Plus generate hygienic, mineral-free steam and are explicitly designed for spa and wellness applications.

- The **stainless steel split cylinders** can be opened easily and cleaned without chemicals
- The **robust heater mounting** allows a simple and fast installation and removal of the heating elements
- Available in two cylinder sizes with **volumes attuned to the humidification capacity**

Compact and low-maintenance.

When operated with softened or tap water, the minerals and salts contained in the water precipitate. These deposits are stirred up by the **integrated rinsing and lime collection system** during partial blowdown and can be removed by the **powerful blowdown pump**. The amount of particles accumulated in the strainer is thus significantly reduced.

- The combined rinsing and lime collection system is integrated in the unit and ensures **compact dimensions** for HygroMatik FlexLine Plus
- **Robust removable strainer** allows easy removal of hardeners
- Plug connections, cylinder clamping ring and steam hose adapter enable **fast and easy maintenance**
The robust stainless steel cylinders – high quality and hygienically clean.

The stainless steel cylinders of the HygroMatik FlexLine Plus generate hygienic, mineral-free steam and are explicitly designed for spa and wellness applications.

- The stainless steel split cylinders can be opened easily and cleaned without chemicals
- The robust heater mounting allows a simple and fast installation and removal of the heating elements
- Available in two cylinder sizes with volumes attuned to the humidification capacity

The water consumption is minimal due to an integrated rinsing and lime collection system, which prevents the deposition of mineral and salt residues. These deposits are removed by the powerful blowdown pump.

- Compact and low-maintenance. When operated with softened or tap water, the minerals and salts contained in the water precipitate. These deposits are stirred up by the integrated rinsing and lime collection system during partial blowdown and can be removed by the powerful blowdown pump.

- The combined rinsing and lime collection system is integrated in the unit and ensures compact dimensions for HygroMatik FlexLine Plus
- Robust removable strainer allows easy removal of hardeners
- Plug connections, cylinder clamping ring and steam hose adapter enable fast and easy maintenance

HygroMatik FlexLine Plus
High-quality, low-maintenance and durable

Smart control – powerful and quick response.

The improved control and regulation technology of the HygroMatik FlexLine Plus units provides extensive possibilities that are simple and easy to operate.

- Highest regulating accuracy and top protection against excessive temperatures by means of second supply air and ventilation steam bath fan
- The option of up to 4 different lighting scenarios
- Freely programmable, overload-protected digital input
- Integrated communication protocol Modbus RTU or BACnet
- Numerous control and reporting functions can be assigned to up to 11 relays depending on the unit

Benefit from extensive functions
Powerful, smart and efficient

Excellent ease of operation.

All HygroMatik FlexLine Plus units are equipped with a capacitive 3.5” touch display. Operation and programming are selected via a flat and intuitive menu structure analogous to modern smartphone logic.

- At a glance: comprehensible pictograms provide information on the operating condition
- Simple and fast navigation
- Information and system messages displayed as plain text
- Easy planning of operating periods by means of programmable timer functions
- Readout of service messages with date and time
- Integrated real-time clock

Powerful and quick response.

The improved control and regulation technology of the HygroMatik FlexLine Plus units provides extensive possibilities that are simple and easy to operate.

- Highest regulating accuracy and top protection against excessive temperatures by means of second supply air and ventilation steam bath fan
- The option of up to 4 different lighting scenarios
- Freely programmable, overload-protected digital input
- Integrated communication protocol Modbus RTU or BACnet
- Numerous control and reporting functions can be assigned to up to 11 relays depending on the unit

Durable and safe.

HygroMatik FlexLine Plus unit heat the water with the aid of one, three or six resistance heaters in the stainless steel cylinder according to the immersion heater principle.

The heaters are made of highly corrosion-resistant Incoloy825 (chrome-nickel-molybdenum alloy) and therefore extremely durable. The mechanical overheating protection of the heaters together with this electronic proportional level control provides double protection.

Option: Spa Touch Control
5” touch display for external control

- At a glance: comprehensible pictograms provide information on the operating condition
- Simple and fast navigation
- Information and system messages displayed as plain text
- Easy planning of operating periods by means of programmable timer functions
- Readout of service messages with date and time
- Integrated real-time clock

Resistor type heater elements in highly corrosion-resistant alloy

Compact and low-maintenance.

When operated with softened or tap water, the minerals and salts contained in the water precipitate. These deposits are stirred up by the integrated rinsing and lime collection system during partial blowdown and can be removed by the powerful blowdown pump.

The amount of particles accumulated in the strainer is thus significantly reduced.

- The combined rinsing and lime collection system is integrated in the unit and ensures compact dimensions for HygroMatik FlexLine Plus
- Robust removable strainer allows easy removal of hardeners
- Plug connections, cylinder clamping ring and steam hose adapter enable fast and easy maintenance

Large cylinder (FLP30 - FLP50)

Small cylinder (FLP05 - FLP25)
HygroMatik FlexLine Plus has been developed, like all our products, for particularly long operating times. The units are characterised by technologies that, in addition to the maintenance effort, minimise the wear of unit components and use energy and resources in a highly efficient manner.

- **Adjustable load shedding** between 25 and 100%, in order to adapt operation temporarily or permanently
- Active energy saving with the **ECO function** and flexible adjustment of the timer functions
- **Extremely durable:** All FlexLine cabinets are manufactured in corrosion-resistant stainless steel; the powder coating of the housing increases the lifespan and offers optimum work safety
- **Robust blowdown pump** for removing scale deposits to ensure long operating life cycles and minimal maintenance
- Heater steam generators with electronic, **proportional level control** with no wear parts

For the sake of the environment

Active energy saving with the ECO function

- **Robust and durable cabinet**
- **Reusable steam cylinders**
- Long and flexible service intervals
- **High resource efficiency**

We have equipped the **HygroMatik FlexLine Plus** with intelligent service functions and innovative features for operational safety. These provide a new level of safety, reliability, control and comfort.

- **Innovative:** Preventive maintenance through permanent monitoring and intelligent evaluation of operating parameters can avoid unplanned downtimes
- **Convenient:** Detailed messages enable deviations to be identified and rectified more quickly
- **Simple:** The diagnostic mode can be started directly via the touch display without commissioning the unit completely
- **Flexible:** Service intervals can be calculated by the unit according to time as well as the amount of steam produced
A higher humidification performance is possible by connecting units together.

<table>
<thead>
<tr>
<th>Electrical supply (1)</th>
<th>Type</th>
<th>FLP05</th>
<th>FLP08</th>
<th>FLP15</th>
<th>FLP25</th>
<th>FLP30</th>
<th>FLP40</th>
<th>FLP50</th>
</tr>
</thead>
<tbody>
<tr>
<td>208-240 VAC / 1 / N / 50-60Hz</td>
<td>Steam output [kg/h]</td>
<td>4.1-5.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Steam output [lbs/h]</td>
<td>9.0-12.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rated power [kW]</td>
<td>3.1-4.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rated current [A]</td>
<td>14.9-17.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>208-240 VAC / 3 / 50-60Hz</td>
<td>Steam output [kg/h]</td>
<td>4.1-5.5</td>
<td>12.4-16.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Steam output [lbs/h]</td>
<td>9.0-12.1</td>
<td>27.3-36.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rated power [kW]</td>
<td>3.1-4.1</td>
<td>9.3-12.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rated current [A]</td>
<td>14.9-17.2</td>
<td>25.9-29.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>440-480 VAC / 3 / 50-60Hz</td>
<td>Steam output [kg/h]</td>
<td>4.6-5.5</td>
<td>7.7-9.1</td>
<td>13.9-16.6</td>
<td>23.1-27.4</td>
<td>27.8-33.1</td>
<td>37.0-44.0</td>
<td>43.7-52.0</td>
</tr>
<tr>
<td></td>
<td>Steam output [lbs/h]</td>
<td>10.1-12.1</td>
<td>16.9-20.0</td>
<td>30.6-36.5</td>
<td>50.8-60.3</td>
<td>61.2-72.8</td>
<td>81.4-96.8</td>
<td>96.1-114.4</td>
</tr>
<tr>
<td></td>
<td>Rated power [kW]</td>
<td>3.5-4.1</td>
<td>5.8-6.9</td>
<td>10.4-12.4</td>
<td>17.3-20.6</td>
<td>20.9-24.8</td>
<td>27.7-33.0</td>
<td>32.8-39.0</td>
</tr>
<tr>
<td></td>
<td>Rated current [A]</td>
<td>7.9-8.6</td>
<td>13.1-14.3</td>
<td>13.7-14.9</td>
<td>22.7-24.8</td>
<td>27.4-29.9</td>
<td>36.4-39.7</td>
<td>43.0-46.9</td>
</tr>
<tr>
<td>575-600 VAC / 3 / 50-60Hz</td>
<td>Steam output [kg/h]</td>
<td>3.8-4.2</td>
<td>6.4-6.9</td>
<td>11.5-12.6</td>
<td>19.1-20.8</td>
<td>23.1-25.1</td>
<td>30.7-33.4</td>
<td>39.5-43.0</td>
</tr>
<tr>
<td></td>
<td>Steam output [lbs/h]</td>
<td>8.4-9.2</td>
<td>14.1-15.2</td>
<td>25.3-27.7</td>
<td>42.0-45.8</td>
<td>50.8-55.2</td>
<td>67.5-73.5</td>
<td>86.9-94.6</td>
</tr>
<tr>
<td></td>
<td>Rated power [kW]</td>
<td>2.9-3.1</td>
<td>4.8-5.2</td>
<td>8.7-9.4</td>
<td>14.3-15.6</td>
<td>17.3-18.8</td>
<td>23.0-25.0</td>
<td>29.6-32.2</td>
</tr>
<tr>
<td></td>
<td>Rated current [A]</td>
<td>5.0-5.2</td>
<td>8.3-8.7</td>
<td>8.7-9.1</td>
<td>14.4-15.0</td>
<td>17.4-18.1</td>
<td>23.1-24.1</td>
<td>29.7-31.0</td>
</tr>
<tr>
<td>Number of cylinders</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Control type</td>
<td>FlexLine mainboard with capacitive 3.5&quot; touch color display</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Internal control voltage</td>
<td>208-240V / 50-60Hz</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steam hose connection [mm]</td>
<td>1 x DN 40 ID</td>
<td>2 x DN 40 ID (3)</td>
<td>2 x DN 40 ID</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steam hose connection [in]</td>
<td>1 x 1.6 ID</td>
<td>2 x 1.6 ID (3)</td>
<td>2 x 1.6 ID</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions (4)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height [mm/in]</td>
<td>855 / 33.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Width [mm/in]</td>
<td>650 / 25.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth [mm/in]</td>
<td>380 / 14.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water installation</td>
<td>Fully demineralized water / cleaned condensate: 1-10 bar / 14.5-145 PSI, with 3/4&quot; connection</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Partially softened water / tap water of varying qualities: 1-10 bar / 14.5-145 PSI, for 3/4&quot; external thread</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

We reserve the right to make technical changes.

(1) Other voltages upon request. (3) Incl. Y-piece DN40. (4) Outer dimensions of width and depth. Height incl. drain connection.