the world begins with water and we make it pure
Traditional Quality

For over 20 years, our partners across the Globe have been using Livam equipment in research and medical labs, in science and other industries. Livam designs and manufactures reliable water treatment devices.

All units have CE mark and comply with valid European standards.

Livam Water Stills are highly efficient thanks to distilling heated cooling water. Units are reliable, easy to maintain, user and service friendly.

Our Stills produce low gas, ultra pure, pyrogen-free distillate with very low conductivity.

Livam GmbH is a full cycle manufacturer of a wide range of Double Stills, Reagent Water (type I and type II) Generating Systems, Water Deionizers and Stills with production capacities ranging from 1 to 210 liters per hour. Livam units can be equipped with coolers, wall brackets, spare parts, if required.

High quality of Livam units is maintained in accordance with international standards and certified as per ISO 9001:2015.

Join our long history for your best experience of being a partner of Livam.
AE series Water Stills

Electrical conductivity of distillate:
2.0-2.2 µS/cm at 25°C
Designed for production of distilled water (non-pyrogenic)

- Body and main parts are made of AISI 321 high-alloy stainless steel
- Automatic water level control in the evaporation chamber. Automatic low water shutdown
- Energy and water saving system
- CO₂ degassing system
- Separate circuit water feed modification enables separate water feeding for evaporation and cooling

AE series Water Stills with two water supply circuits:
- Low water consumption through the use of recycling water for distillate cooling (if there is a recycling water supply at a customer’s site)
- Reduced scale formation on heating elements in the evaporation chambers through possible use of preliminary purified water for evaporation
- Significantly increased service life of heating elements
- Increased cleaning intervals for evaporation chambers and condensers

- Double shell protects operating personnel from thermal burns and contact with working elements
- Removable cooler enables distillate cooling. The cooler can be mounted to the distiller
- Demountable design of the condensation chamber enables visual inspection of scale formation, easy sediment cleaning, maintenance and repair
- Standard set includes spare tubular heating elements, a spare electrode of the water sensor, supply water hoses and distillate collection hoses, connecting clamps
- Desktop or wall mountable. Optional wall bracket
- Distillers can be combined with a purified water storage tank into an automatically operating system ensuring automatic water and power supply turning off when the storage tank is full and its turning on when it is empty
- Lifetime: above 8 years, warranty period: 12 months
## Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity L / h</th>
<th>Cooling water requirement L / h approx.</th>
<th>Exterior dimensions mm approx.</th>
<th>Electrical connection</th>
<th>Weight kg approx.</th>
<th>Packing volume approx m³</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Width</td>
<td>Depth</td>
<td>Height</td>
<td>Voltage, V (50...60 Hz)</td>
</tr>
<tr>
<td>AE-4</td>
<td>4</td>
<td></td>
<td>260</td>
<td>215</td>
<td>370</td>
<td>230</td>
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<tr>
<td>AE-5</td>
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<td>260</td>
<td>215</td>
<td>370</td>
<td>230</td>
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<tr>
<td>AE-10</td>
<td>10</td>
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<td>335</td>
<td>275</td>
<td>460</td>
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<td>AE-15</td>
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<td>AE-25</td>
<td>25</td>
<td></td>
<td>365</td>
<td>310</td>
<td>580</td>
<td>400</td>
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</tbody>
</table>
AE series
Water Stills
with built-in
distillate storage tank

Electrical conductivity of distillate:
2.0-2.2 µS/cm at 25°C
Designed for production of distilled
water (non-pyrogenic)
followed by its accumulation
in a built-in storage tank

• Body and main parts are made of AISI 321
  high-alloy stainless steel
• Fully automatic control system:
  – regulates amount of water for evaporation
  – stops water and power supply when water tank
    is full
  – turns on when distillate is drawn off from the
    storage tank
• Energy and water saving system
• Low water consumption to produce 1 liter of
distilled water
• High distillate quality
• CO₂ degassing system
• Small dimensions and weight compared to ana-
  logues
• Stainless steel panels protect operating person-
  nel from thermal burns and contact with working
  elements
• Demountable design of the condensation cham-
  ber enables visual inspection of scale formation,
  easy sediment cleaning, maintenance and repair
• Standard set includes spare tubular heating
  elements, a spare electrode of the water sensor,
  supply water hoses and distillate collection hoses,
  connecting clamps
• Power connection cable with a shock-proof plug
• Lifetime: above 8 years, warranty period:
  12 months
### Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity L/h</th>
<th>Tank, L</th>
<th>Cooling water requirement L/h approx.</th>
<th>Exterior dimensions mm approx.</th>
<th>Electrical connection</th>
<th>Weight kg approx.</th>
<th>Packing volume approx m³</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Width</td>
<td>Depth</td>
<td>Height</td>
<td>Voltage, V (50...60 Hz)</td>
</tr>
<tr>
<td>AE-4/8</td>
<td>4</td>
<td>8</td>
<td>30</td>
<td>320</td>
<td>290</td>
<td>570</td>
<td>230</td>
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<tr>
<td>AE-10/20</td>
<td>10</td>
<td>20</td>
<td>75</td>
<td>425</td>
<td>425</td>
<td>775</td>
<td>400</td>
</tr>
</tbody>
</table>
**BE series**

**Double Distillation Water Stills**

Electrical conductivity of double distillate:
1.0-1.2 µS/cm at 25°C

Designed for production of distilled and double distilled water (non-pyrogenic)

- Body and main parts are made of AISI 321 high-alloy stainless steel
- Automatic water level control in the evaporation chamber. Automatic low water shutdown
- Energy and water saving system
- CO₂ degassing system
- Stainless steel panels protect operating personnel from thermal burns and contact with working elements
- Built-in cooler chills double distillate to t, max = +40°C
- Demountable design of condensation chambers enables visual inspection of scale formation, easy sediment cleaning, maintenance and repair
- Standard set includes spare tubular heating elements, a spare electrode of the water sensor, supply water hoses and distillate collection hoses, connecting clamps
- Power connection cable with a shock-proof plug
- Reagents can be placed in the evaporation chamber at the 2-nd distillation phase
- Lifetime: above 5 years, warranty period: 12 months
## Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity L/h</th>
<th>Cooling water requirement L/h approx.</th>
<th>Exterior dimensions mm approx.</th>
<th>Electrical connection</th>
<th>Weight kg approx.</th>
<th>Packing volume approx m³</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Width</td>
<td>Depth</td>
<td>Height</td>
<td>Voltage, V (50...60 Hz)</td>
</tr>
<tr>
<td>BE-2</td>
<td>2</td>
<td></td>
<td>470</td>
<td>280</td>
<td>300</td>
<td>230</td>
</tr>
<tr>
<td>BE-4</td>
<td>4</td>
<td></td>
<td>550</td>
<td>360</td>
<td>400</td>
<td>230</td>
</tr>
</tbody>
</table>
UPVA series
Reagent Grade Water Generation Systems

Electrical conductivity of product water: 
0.8-1.0 µS/cm at 25°C
Designed for production of ultra pure 
non-pyrogenic reagent grade water 
(Type II)

• Body and main parts are made of AISI 321 
high-alloy stainless steel
• Automatic water level control in the evaporation 
chamber. Automatic low water shutdown
• Energy and water saving system due to distillation of 
the heated cooling water
• CO₂ degassing system
• Multi-stage cleaning system
• High quality of product water with a very low content 
of inorganic, organic or colloidal contaminants
• Product water quality control in real time
• Stainless steel panels protect operating personnel 
from thermal burns and contact with working 
elements
• Built-in cooler chills product water to \( t, \max = +25°C \)
• Demountable design of the condensation chamber 
enables visual inspection of scale formation, easy 
sediment cleaning, maintenance and repair
• Standard set includes spare tubular heating ele-
ments, a spare electrode of the water sensor, supply 
water hoses and distillate collection hoses, connecting 
clamps
• Power connection cable with a shock-proof plug
• Units can be combined with a purified water storage 
tank into an automatically operating system ensuring 
automatic water and power supply turning off when 
the storage tank is full and its turning on when it is 
empty
• Lifetime: above 8 years, 
warranty period: 12 months
## Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity L / h</th>
<th>Cooling water requirement L / h approx.</th>
<th>Exterior dimensions mm approx.</th>
<th>Electrical connection</th>
<th>Weight kg approx.</th>
<th>Packing volume approx m³</th>
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</thead>
<tbody>
<tr>
<td>UPVA-5</td>
<td>5</td>
<td>36</td>
<td>424 417 454</td>
<td>230 3.6</td>
<td>20 26</td>
<td>0.17</td>
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<tr>
<td>UPVA-15</td>
<td>15</td>
<td>110</td>
<td>550 500 625</td>
<td>400 9.1</td>
<td>39 56</td>
<td>0.37</td>
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<tr>
<td>UPVA-25</td>
<td>23</td>
<td>180</td>
<td>660 550 760</td>
<td>400 16.3</td>
<td>50 72</td>
<td>0.47</td>
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</tbody>
</table>
UPVA series
Reagent Grade Water Generation Systems

Electrical conductivity of product water: approx. 0.05 µS/cm at 25°C
Designed for production of ultra pure non-pyrogenic reagent grade water (Type I)

- Body and main parts are made of AISI 321 high-alloy stainless steel
- Automatic water level control in the evaporation chamber. Automatic low water shutdown
- Energy and water saving system
- CO₂ degassing system
- Multi-stage cleaning system
- High quality of product water with a very low content of inorganic, organic or colloidal contaminants
- Stainless steel panels protect operating personnel from thermal burns and contact with working elements
- Built-in cooler chills product water to \( t_{\text{max}} = +25°C \)
- Demountable design of the condensation chamber enables visual inspection of scale formation, easy sediment cleaning, maintenance and repair
- Standard set includes spare tubular heating elements, a spare electrode of the water sensor, supply water hoses and distillate collection hoses, connecting clamps
- Power connection cable with a shock-proof plug
- Desktop or wall mountable. Optional wall bracket
- Units can be combined with a purified water storage tank into an automatically operating system ensuring automatic water and power supply turning off when the storage tank is full and its turning on when it is empty
- Lifetime: above 8 years, warranty period: 12 months

UPVA-5-1
### Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity L/h</th>
<th>Cooling water requirement L/h approx.</th>
<th>Exterior dimensions mm approx.</th>
<th>Electrical connection</th>
<th>Weight kg approx.</th>
<th>Packing volume approx m³</th>
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<tr>
<td>UPVA-5-1</td>
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<td>40</td>
<td>Width 670, Depth 470, Height 490</td>
<td>Voltage, V (50...60 Hz)</td>
<td>230</td>
<td>35, 56, 0.32</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Power consumption kW net gross cardboard box</td>
<td>3.6</td>
<td>35, 56, 0.32</td>
</tr>
</tbody>
</table>
ADE series
Water Stills

Electrical conductivity of distillate:
2.8-3.0 µS/cm at 25°C
Designed for production of distilled water

- Body and main parts are made of AISI 321 high-alloy stainless steel
- Automatic water level control in the evaporation chamber. Automatic low water shutdown
- Energy and water saving system
- CO₂ degassing system
  - Stainless steel panels protect operating personnel from thermal burns and contact with working elements
  - Demountable design of the condensation chamber enables visual inspection of scale formation, easy sediment cleaning, maintenance and repair
  - Standard set includes spare tubular heating elements, a spare electrode of the water sensor, supply water hoses and distillate collection hoses, connecting clamps
- Power connection cable with a shock-proof plug
- Tubular heating elements made of stainless steel
- Distillers can be combined with a purified water storage tank into an automatically operating system ensuring automatic water and power supply turning off when the storage tank is full and its turning on when it is empty
- Lifetime: above 8 years, warranty period: 12 months
Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity L/h</th>
<th>Cooling water requirement L/h approx.</th>
<th>Exterior dimensions mm approx.</th>
<th>Electrical connection</th>
<th>Weight kg approx.</th>
<th>Packing volume approx. m³</th>
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</thead>
<tbody>
<tr>
<td>ADE-40</td>
<td>40</td>
<td>320</td>
<td>700  500  800</td>
<td>400  27.0</td>
<td>40  62</td>
<td>0.57</td>
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<tr>
<td>ADE-50</td>
<td>50</td>
<td>380</td>
<td>700  500  800</td>
<td>400  31.5</td>
<td>40  62</td>
<td>0.57</td>
</tr>
</tbody>
</table>
DE series
Water Stills

Electrical conductivity of distillate:
2.5-3.0 µS/cm at 25°C
Designed for production of distilled water

- Body and main parts are made of AISI 321 high-alloy stainless steel

- Automatic water level control in the evaporation chamber. Automatic low water shutdown

- Energy and water saving system

- Two separate water supply circuits enable low water consumption through the use of recycling water for distillate cooling (if there is a recycling water supply at a customer’s site)

- CO₂ degassing system

- Stainless steel panels protect operating personnel from thermal burns and contact with working elements

- Demountable design of the condensation chamber enables visual inspection of scale formation, easy sediment cleaning, maintenance and repair

- Standard set includes spare heating electrodes, a spare electrode of the water sensor, supply water hoses and distillate collection hoses, connecting clamps

- Power connection cable with a shock-proof plug

- Distillers can be combined with a purified water storage tank into an automatically operating system ensuring automatic water and power supply turning off when the storage tank is full and its turning on when it is empty

- Lifetime: above 8 years, warranty period: 12 months
## Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity L/h</th>
<th>Cooling water requirement L/h approx</th>
<th>Exterior dimensions mm approx</th>
<th>Electrical connection</th>
<th>Weight kg approx</th>
<th>Packing volume approx m³</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Voltage, V (50...60 Hz)</td>
<td>Power consumption kW</td>
<td>net</td>
</tr>
<tr>
<td>DE-40</td>
<td>40</td>
<td>320</td>
<td>560</td>
<td>400</td>
<td>26.5</td>
<td>43</td>
</tr>
<tr>
<td>DE-50</td>
<td>50</td>
<td>360</td>
<td>560</td>
<td>400</td>
<td>30.0</td>
<td>43</td>
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<td>DE-70</td>
<td>70</td>
<td>500</td>
<td>740</td>
<td>400</td>
<td>42.0</td>
<td>65</td>
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</tbody>
</table>
DE series
Water Stills

Electrical conductivity of distillate:
3.0-3.5 $\mu$S/cm at 25°C
Designed for production of distilled water

• Body and main parts are made of AISI 321 high-alloy stainless steel

• Automatic water level control in the evaporation chamber. Automatic low water shutdown

• Energy and water saving system

• Two separate water supply circuits enable low water consumption through the use of recycling water for distillate cooling (if there is a recycling water supply at a customer’s site)

• CO₂ degassing system

• Stainless steel panels protect operating personnel from thermal burns and contact with working elements

• Demountable design of the condensation chamber enables visual inspection of scale formation, easy sediment cleaning, maintenance and repair

• Standard set includes spare heating electrodes, a spare electrode of the water sensor, supply water hoses and distillate collection hoses, connecting clamps

• Power connection cable with a shock-proof plug

• Distillers can be combined with a purified water storage tank into an automatically operating system ensuring automatic water and power supply turning off when the storage tank is full and its turning on when it is empty

• Lifetime: above 8 years, warranty period: 12 months
**Technical Data**

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity L / h</th>
<th>Cooling water L / h approx.</th>
<th>Exterior dimensions mm approx.</th>
<th>Electrical connection</th>
<th>Weight kg approx.</th>
<th>Packing volume approx. m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE-100</td>
<td>100</td>
<td>750</td>
<td>810 630 1270</td>
<td>400 60</td>
<td>82 127</td>
<td>0.88</td>
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<td>DE-140</td>
<td>140</td>
<td>1000</td>
<td>810 630 1420</td>
<td>400 84</td>
<td>88 135</td>
<td>0.89</td>
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<tr>
<td>DE-210</td>
<td>210</td>
<td>1800</td>
<td>1195 850 1915</td>
<td>400 128</td>
<td>208 303</td>
<td>2.58</td>
</tr>
</tbody>
</table>
Purified Water Storage Tanks

 Designed for purified water storage

- Body and main parts are made of AISI 321 high-alloy stainless steel
- Tanks can be combined with water distillers for convenient collection of distilled water
- Tanks are equipped with:
  - device cutting off the water distiller when the tank is full
  - bactericidal air filter
  - water level gauge
  - distillate valve
  - mobile platform with wheels for an empty tank moving
- Voltage (connection to the water distiller): ~220-240 V (50-60 Hz, single phase AC) or 12 V (DC)
- Lifetime: above 8 years, warranty period: 12 months

### Technical Data

<table>
<thead>
<tr>
<th>Model Order No</th>
<th>Capacity, L</th>
<th>Overall dimensions, mm</th>
<th>Weigh, kg</th>
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<tr>
<td></td>
<td></td>
<td>Length and width</td>
<td>Height (with a platform)</td>
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<tr>
<td>C-30</td>
<td>30</td>
<td>450x500</td>
<td>605</td>
</tr>
<tr>
<td>C-60</td>
<td>60</td>
<td>450x500</td>
<td>905</td>
</tr>
<tr>
<td>C-100</td>
<td>100</td>
<td>560x580</td>
<td>850</td>
</tr>
<tr>
<td>C-180</td>
<td>180</td>
<td>690x660</td>
<td>1015</td>
</tr>
<tr>
<td>C-240</td>
<td>240</td>
<td>690x660</td>
<td>1245</td>
</tr>
<tr>
<td>C-300</td>
<td>305</td>
<td>805x780</td>
<td>1185</td>
</tr>
<tr>
<td>C-500</td>
<td>500</td>
<td>805x780</td>
<td>1590</td>
</tr>
</tbody>
</table>
TC series

Injection Water Thermal Tanks
Designed for collection, storage, transportation and delivery of injection water and sterile solutions

- Body and main parts, piping and valves are made of high-alloy AISI 321 stainless steel
- Circulation pump with a wetted part made of stainless steel
- Thermal tanks are equipped with a:
  - heating element
  - sprinkler
  - temperature measuring and regulating device
  - bactericidal air filter
- Fully automatic control and safety system
- Platform trolley for convenient transportation and handling
- Capacity - 30, 60, 100, 180
- Custom manufacturing is possible

Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Effective tank capacity, l</th>
<th>Dimensions (LxWxH), mm</th>
<th>Weight, kg</th>
<th>Power consumption, kW</th>
<th>Water temperature in the tank, °C</th>
<th>Current direction, type and frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>TC-30</td>
<td>30</td>
<td>1015×510×1000</td>
<td>45.0</td>
<td>6.0</td>
<td>85-95</td>
<td>380-420 V, three-phase AC, 50-60 Hz</td>
</tr>
<tr>
<td>TC-60</td>
<td>60</td>
<td>1015×510×1100</td>
<td>48.0</td>
<td>6.0</td>
<td>85-95</td>
<td></td>
</tr>
<tr>
<td>TC-100</td>
<td>100</td>
<td>1200×585×1120</td>
<td>55.0</td>
<td>9.0</td>
<td>85-95</td>
<td></td>
</tr>
<tr>
<td>TC-180</td>
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<td>1350×660×1240</td>
<td>68.5</td>
<td>9.0</td>
<td>85-95</td>
<td></td>
</tr>
</tbody>
</table>
UPVD series
Water Purification Systems

Electrical conductivity of product water: <1.0 \mu S/cm
Designed for production of Type II water

- Designed to deliver the highest pure water quality for your regular laboratory applications and instrument feed
- Multistage cleaning system
- The systems comply with the purified water requirements from the European, Japanese and US Pharmacopeias providing consistent, reliable pure water
- Energy and water saving system
- Demountable design of the system enables visual inspection of scale formation, easy sediment cleaning, maintenance and repair
- Standard set includes a spare ion resin kit and filters
- Desktop or wall mountable. Optional wall bracket
- Optional installation of devices for the purification process control
- Optional installation of a UV lamp and a finishing filter for pyrogen-free water
- Systems can be combined with a purified water tank into an automatically operating system
- Lifetime: above 10 years, warranty period: 12 month

Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity L/h</th>
<th>Tap water requirement L/h approx.</th>
<th>Exterior dimensions mm approx.</th>
<th>Power consumption kW / h</th>
<th>Inlet Pressure bar</th>
<th>Weight kg approx.</th>
<th>Packing volume approx m³</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Width</td>
<td>Depth</td>
<td>Height</td>
<td></td>
<td>net</td>
</tr>
<tr>
<td>UPVD-5</td>
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<td>20</td>
<td>810</td>
<td>630</td>
<td>1270</td>
<td>0</td>
<td>3.0</td>
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<tr>
<td>UPVD-10</td>
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<td>30</td>
<td>810</td>
<td>630</td>
<td>1420</td>
<td>0</td>
<td>3.5</td>
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<tr>
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<td>30</td>
<td>60</td>
<td>1195</td>
<td>850</td>
<td>1915</td>
<td>0.2</td>
<td>7.2</td>
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<tr>
<td>UPVD-60</td>
<td>60</td>
<td>120</td>
<td>1195</td>
<td>850</td>
<td>1915</td>
<td>0.5</td>
<td>9.0</td>
</tr>
</tbody>
</table>
Industries

**Medicine and Pharmaceutics:**
- Hospitals/maternity hospitals (laboratories, sterilization departments)
- Dental clinics
- Pharmacies
- Pharmaceutical companies
- Health improvement centers (spa & resorts)

**Agricultural companies:**
- Companies engaged in crop cultivation and animal breeding
- Fodder plants
- Agricultural products processing companies

**Industrial companies:**
- Nuclear industry servicing companies
- Aircraft plants and shipbuilding yards
- Metallurgical plants (filling distillate into equipment for process lines cooling)
- Food and beverages production companies (dairy, bakery, distilling, meat-processing plants)
- Poultry farms
- Electronic components manufacturing companies
- Jewelry factories
- Cosmetics manufacturing companies
- Sewing workshops

**Laboratories of educational and research institutions:**
- Universities/colleges
- Research institutions
- Hygiene and epidemiology centers

**Transport companies:**
- Motor transport companies (topping up batteries, antifreeze dilution)
- Railway depots
- Tram and trolleybus depots

**Chemical companies:**
- Battery factories
- Gas production companies
- Oil refineries

**Service companies:**
- PVC windows producing companies
- Processing equipment maintaining companies (filling distillate into circulation and cooling systems)
- Batteries servicing companies

**Individuals:**
- Filling into home appliances (irons, steam generators, humidifiers)
- Filling into heating systems
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