Automatic Vertical Steam
TUBELESS BOILER with
Built-in Condensate Receiver and Pump

OIL, GAS OR COMBINATION FIRED
Sizes 7, 12 & 16 HP,
Design Pressure 125 PSI
Sizes 20 and 30 HP,
Design Pressure 150 PSI
Add 10% to output with
Built-In Condensate Receiver and Pump

ALL YORK-SHIPLEY SERIES 300 VTB BOILERS CARRY A
ONE-YEAR LIMITED WARRANTY AGAINST
DEFECTIVE MATERIAL AND WORKMANSHIP

York - Shipley Global
Division of AESYS Technologies, LLC
Cutaway Vertical Tubeless Boiler...

Shell built to ASME code Section I.

Lifting lug for easy handling of unit.

Low water cut-off —
McDonnell Miller #157.
Cuts burner off in event of
low water condition, operates
feed-water pump and
provides low water alarm
switch.

Safety controls meet
latest U.L. require-
ments.

Large steam space for dry steam
quality in large quantity.

125 pounds per square inch
pressure.

Steel flue vent — no expensive
chimney required because of
forced draft principle.

Make-up water feeder valve to
maintain water level in condens-
ate receiver.

Jacket and insulation.

Condensate receiver.

Thermal fins direct flue gases
... increase heat transfer area
... pick-up the last penny of
your fuel dollar.

Quick access to fire side of unit
for easy inspection and main-
tenance.

Handhole openings 3\(\frac{3}{4}\)" x 4\(\frac{3}{4}\)
elliptical for easy cleaning of
water-side of boiler.

Integral base — needs no spe-
cial foundation.

Refractory base protects mud leg and keeps
base cool for installation on ordinary non-
combustible floor.

Heavy gauge jacket keeps boiler looking new
for years.

Heavy gauge furnace for long trouble-free
operation.

Minimum floor space required only
12 square feet on largest size.

20 HP MODEL ILLUSTRATED
**LIMITED WARRANTY**
York-Shipley warrants against defective material and workmanship on the entire unit for a period of one year from the date of original installation but not to exceed 18 months from the date of shipment. A detailed Limited Warranty Certificate is furnished in conjunction with the shipment of equipment.

**New DESIGN CONCEPT**
30 HP. Boiler will fit through a 34" doorway

**Automatic safety controls** — burner and boiler have automatic safety and operating controls — all factory tested prior to shipment.

15 minutes from start-up to full operating pressure. Saves time... Saves you money.

**A.S.M.E. construction** — all pressure vessel joints are fully welded and carefully stress relieved, X-rayed and built in accordance with the ASME Boiler & Pressure Vessel Construction Code.

**Packaged FEEDWATER ASSEMBLY**
Available in sizes 7 to 16 hp. 125 PSI 20 & 30 hp. 150 PSI includes pump, motor, coupling, base, motor starter (as required), make-up water feeder valve, gauge glass.

**Cabinet is painted** with heat resistant lustrous paint to keep your boiler looking new for years.

<table>
<thead>
<tr>
<th>Model</th>
<th>Tank Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>22S-1</td>
<td>22 Gal.</td>
<td>26&quot;</td>
<td>30&quot;</td>
<td>16%&quot;</td>
<td>28&quot;</td>
<td>18%&quot;</td>
<td>6&quot;</td>
</tr>
<tr>
<td>22S-2</td>
<td>22 Gal.</td>
<td>25&quot;</td>
<td>30&quot;</td>
<td>16%&quot;</td>
<td>28&quot;</td>
<td>18%&quot;</td>
<td>6&quot;</td>
</tr>
<tr>
<td>40S-1</td>
<td>40 Gal.</td>
<td>30&quot;</td>
<td>40&quot;</td>
<td>18%&quot;</td>
<td>29&quot;</td>
<td>19%&quot;</td>
<td>7&quot;</td>
</tr>
</tbody>
</table>
LIMITED WARRANTY
York-Shipley Division of AESYS Technologies LLC warrants against defective material and workmanship on the entire unit for a period of one year from the date of original installation but not to exceed 18 months from the date of shipment. A detailed Limited Warranty is furnished in conjunction with the equipment.

A SPECIFIC LIMITED WARRANTY CERTIFICATE WILL BE PROVIDED TO EACH CUSTOMER UPON SHIPMENT OF THEIR EQUIPMENT.

SERIES 300 VTB Specifications and Dimensions

<table>
<thead>
<tr>
<th>RATINGS:</th>
<th>VTB-7</th>
<th>VTB-12</th>
<th>VTB-16</th>
<th>VTB-20</th>
<th>VTB-30</th>
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</thead>
<tbody>
<tr>
<td>Approx. Boiler HP</td>
<td>7</td>
<td>12</td>
<td>16</td>
<td>20</td>
<td>30</td>
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<tr>
<td>Output lbs/hr. from &amp; at 212°</td>
<td>240</td>
<td>415</td>
<td>592</td>
<td>650</td>
<td>1,035</td>
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<tr>
<td>Output BTU/hr</td>
<td>235,000</td>
<td>402,000</td>
<td>536,000</td>
<td>670,000</td>
<td>1,005,000</td>
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<tr>
<td>Specifications:</td>
<td></td>
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<tr>
<td>Approximate oil G.P.H</td>
<td>2.1</td>
<td>3.5</td>
<td>4.75</td>
<td>6.0</td>
<td>9.0</td>
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<tr>
<td>Firing rate gas C.F.H</td>
<td>300</td>
<td>510</td>
<td>690</td>
<td>860</td>
<td>1,250</td>
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<tr>
<td>Design press. P.S.I.G</td>
<td>125</td>
<td>125</td>
<td>125</td>
<td>150</td>
<td>150</td>
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<tr>
<td>Burner motor size HP</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
<td>1/4</td>
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<tr>
<td>Oil pump capacity G.P.H</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>20</td>
<td>20</td>
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<tr>
<td>Weight dry lbs</td>
<td>1600</td>
<td>2050</td>
<td>2350</td>
<td>3150</td>
<td>3500</td>
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<tr>
<td>Weight wet lbs</td>
<td>1850</td>
<td>2365</td>
<td>2825</td>
<td>3700</td>
<td>4050</td>
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<tr>
<td>Dimensions:</td>
<td></td>
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<tr>
<td>A Dia. boiler shell</td>
<td>25</td>
<td>26</td>
<td>30</td>
<td>32</td>
<td>32</td>
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<tr>
<td>B Overall width</td>
<td>*38</td>
<td>*38</td>
<td>*42</td>
<td>*44</td>
<td>51</td>
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<tr>
<td>C Overall depth (Oil)</td>
<td>48</td>
<td>48</td>
<td>51</td>
<td>61</td>
<td>52</td>
</tr>
<tr>
<td>D Overall depth (Gas)</td>
<td>48</td>
<td>52</td>
<td>57</td>
<td>61</td>
<td>52</td>
</tr>
<tr>
<td>E Overall height</td>
<td>67</td>
<td>77</td>
<td>85</td>
<td>97</td>
<td>97</td>
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<tr>
<td>F Boiler height</td>
<td>58</td>
<td>68</td>
<td>76</td>
<td>88</td>
<td>88</td>
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<tr>
<td>G Height flue outlet</td>
<td>43</td>
<td>53</td>
<td>51</td>
<td>63</td>
<td>63</td>
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<tr>
<td>H Height feedwater conn</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>10</td>
<td>Two-BDia</td>
</tr>
<tr>
<td>I Size feedwater conn L.P.S</td>
<td>1 1/8</td>
<td>1 1/4</td>
<td>1 1/4</td>
<td>1 1/4</td>
<td>1 1/4</td>
</tr>
<tr>
<td>J Size steam outlet L.P.S</td>
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<td>1 1/4</td>
<td>1 1/4</td>
<td>2</td>
<td>2</td>
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<tr>
<td>K Height blowdown conn</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
</tbody>
</table>

Specifications and dimensions subject to change without notice.
*This Dimension includes the feedwater pump set and piping.

Minimum width with alterations 20 & 30 HP, 36°

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