The Tempest uses a combination of validated tested, and proven washing actions to effectively remove bio-burden from surgical instruments:

- Enzymatic soak – @120°
- Digital ultrasonics
- 2 phase hydrojet flush
- Exterior and Interior disinfection rinse – @190°
- Ozonated bacteria killing final rinse
**GENERAL SYSTEM FEATURES**

- Processes 24-lumened instruments in 30 minutes
- Special port adaptors accommodate:
  - Laparoscopic tools
  - ROBOTIC tools
  - Minimally invasive devices, accurate
  - Accurately doses appropriate ratio of enzymatic cleaner
- Drained between each cycle to prevent re-contamination
- Baskets can accommodate non-ported surgical instruments
- Programmable cycles for simple, one-touch start
- Automated lid lift and automated shelf loading/unloading
- Viewing window to see inside during operation
- Basket Dimensions: 26” x 10.5” – can accommodate 56cm bariatric tool

**UNIT OPTIONS**

<table>
<thead>
<tr>
<th>ITEM#</th>
<th>DESCRIPTION</th>
<th>MACHINE DIMENSIONS (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TW1000</td>
<td>1 Basket System</td>
<td>Approx. 55”W x 30”L x 63”H</td>
</tr>
<tr>
<td>TW2000</td>
<td>2 Basket System</td>
<td>Approx. 39”W x 47”L x 63”H</td>
</tr>
<tr>
<td>TW4000</td>
<td>4 Basket System</td>
<td>Approx. 61”W x 47”L x 63”H</td>
</tr>
</tbody>
</table>

**SYSTEM REQUIREMENTS**

<table>
<thead>
<tr>
<th>UTILITY</th>
<th>CONNECTION</th>
<th>PRESSURE</th>
<th>CONSUMPTION</th>
<th>UTILITY REQUIREMENT PER TEMPEST WASHER UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hot Water</td>
<td>3/4”NPT</td>
<td>60 psig</td>
<td>40 gpm</td>
<td>Min water temp.- 120˚ F</td>
</tr>
<tr>
<td>Cold Water</td>
<td>3/4 NPT</td>
<td>60 psig</td>
<td>10gpm</td>
<td>Ozone water rinse</td>
</tr>
<tr>
<td>Compressed Air</td>
<td>1/2”NPT</td>
<td>90psig</td>
<td>10SCFM</td>
<td>Air must be dry and oil free</td>
</tr>
<tr>
<td>Drain</td>
<td>1-1/2”NPT</td>
<td>Gravity</td>
<td>60 psig</td>
<td>Located in pit</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>UTILITY</th>
<th>CONSUMPTION (230V/3PH/60Hz)</th>
<th>CONSUMPTION (480V/3PH/60Hz)</th>
<th>UTILITY REQUIREMENT PER TEMPEST WASHER UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric</td>
<td>80 amps</td>
<td>40 amps</td>
<td>Electric heated unit</td>
</tr>
</tbody>
</table>

**THE TEMPEST PROCESS FLOW**

1. Bath fills w/ Enzymatic Cleaner and 120˚ Water
2. Lumen Instruments are seeded with same cleaner and soak for 3 minutes
3. First Hydrojet Flushing for Cannulated Instruments
4. Concurrent Ultrasonic Cleaning for outside of instruments
5. Second Hydrojet Flushing for Cannulated Instruments
6. Concurrent Ultrasonic Cleaning for outside of instruments
7. Third Hydrojet Flushing for Cannulated Instruments
8. Bath Drained
9. Instruments rinsed with 190˚ water both outside and inside the instruments
10. Ozonated water bacteria killing spray
11. Instruments are now cleaned and ready to be sterilized

**Consistent. Repeatable. Results.**

Hand cleaning or ultrasonics alone cannot duplicate.

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