There are certain high pressure water blasting applications where hot water is an advantage.

Conventional hot water systems have restricted operating pressures which limit performance. The water heating systems and associated maintenance problems result in high operational costs.

The Hammelmann Thermacon offers owners of UHP pump units an alternative, technically uncomplicated method of producing a high temperature, medium pressure water jet. It quite simply converts the energy of a UHP jet into heat by means of an adjustable internal splitter nozzle.

**Advantages**
- Only an accessory for your existing UHP pump unit required.
- No heat resistant items necessary
- No hot water gun
- No hot water hose
- The high temperature water is produced just where it is needed.
- Optional: use the heat produced by the diesel engine to increase the water temperature by adding a bypass heat exchanger.

**Application examples**
All typical hot water blasting applications such as:
- Graffiti removal
- Removal of oils, greases and tar based products
- Cleaning sensitive surfaces such as sandstone facades
- Cleaning machinery and machine parts etc.
Thermacon

The Thermacon converts UHP water to HOT water . . .

**Technical data**
- max. operating pressure: 50800 psig
- max. temperature: 203°F
- max. flow rate: 6.6 GPM
- length: 7" 
- weight: 1.7 lbs
- connection thread: M14 x 1.5 l

![Nozzle assembly]

The Thermacon is installed between the blasting gun and the selected nozzle.

**Performance examples:**

1. Inlet temperature 68°F - without engine heat exchanger

<table>
<thead>
<tr>
<th>at inlet</th>
<th>at outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating pressure: 43500 psig</td>
<td>Operating pressure: 5800 psig</td>
</tr>
<tr>
<td>Water temperature: 68°F</td>
<td>Water temperature: 185°F</td>
</tr>
</tbody>
</table>

2. Inlet temperature 104°F - with engine heat exchanger

<table>
<thead>
<tr>
<th>at inlet</th>
<th>at outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating pressure: 43500 psig</td>
<td>Operating pressure: 10200 psig</td>
</tr>
<tr>
<td>Water temperature: 104°F</td>
<td>Water temperature: 203°F</td>
</tr>
<tr>
<td>Operating pressure: 36300 psig</td>
<td>Operating pressure: 10200 psig</td>
</tr>
<tr>
<td>Water temperature: 104°F</td>
<td>Water temperature: 185°F</td>
</tr>
</tbody>
</table>