HEAT TRANSFER FLUID
& OIL FILTRATION SYSTEM

- Patented System Cleans Fluids Without Disrupting Process Operation
- Reduce Wear of Seals, Pumps, Valve Stems, etc.
- Reduce Fouling in Heat Exchanger Surfaces
- Minimize Unscheduled Maintenance Down Time
- Reduce Overall Heat Transfer Fluid Costs
- Increase Heat Transfer Efficiency
- Increase Production Rates

HTF SERIES

Flow Rates 5 USGPM or 19 LPM to 100 USGPM or 379 LPM

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TO 650°F or 345°C
& 150 PSIG or 10.5 BAR
## HTF SERIES SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>FLOW RATE</th>
<th>INLET/OUTLET</th>
<th>ESTIMATED DIMENSIONS HxW/IN/CM</th>
<th>ESTIMATED WEIGHT LBS/KG</th>
<th>NO. of ELEMENTS*</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTFA10C</td>
<td>5 USGPM/19 LPM</td>
<td>1” or 25.4 mm NPT or SW</td>
<td>24” x10”/51x19</td>
<td>40 LBS or 18 KG</td>
<td>1</td>
</tr>
<tr>
<td>HTFB10C</td>
<td>15 USGPM/57 LPM</td>
<td>1” or 25.4 mm NPT or SW</td>
<td>44” x10”/102x19</td>
<td>60 LBS or 27 KG</td>
<td>1</td>
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<tr>
<td>HTFC10C</td>
<td>30 USGPM/114 LPM</td>
<td>1.5” or 38 mm SW or FLG</td>
<td>50” x15”/117x28</td>
<td>175 LBS or 80 KG</td>
<td>2</td>
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<tr>
<td>HTFD10C</td>
<td>60 USGPM/227 LPM</td>
<td>2” or 51 mm SW or FLG</td>
<td>53” x19”/117x38</td>
<td>250 LBS or 114 KG</td>
<td>4</td>
</tr>
<tr>
<td>HTFE10C</td>
<td>100 USGPM/379 LPM</td>
<td>2” or 51 mm SW or FLG</td>
<td>53” x22”/134x46</td>
<td>350 LBS or 159 KG</td>
<td>7</td>
</tr>
</tbody>
</table>

*Elements range from 100, 50, 25 and 10 microns particle size removal.

### PARALLEL INSTALLATION

Install filter between the “To Process” and “From Process” pipes for maximum differential pressure utilization. This also ensures side stream filtration, throttling the flow through the filter using the outlet valve on the filter. Install 1” NPT or Socket weld isolation valves on the pressure inlet and outlet. Purge all air from the filter using the vent valve on top. Note the inlet and outlet pressures to monitor loading of the equipment. Replace the element when the \((\Delta P)\) (differential pressure) reaches 25 PSID.

### SERIES INSTALLATION

Install filter on the “From Process” pipe. Install 1” NPT or Socket weld isolation valves on the filter inlet and outlet. Install a by pass around the filter including a by pass throttle valve. Throttle valve must always be partially or fully open, never closed to ensure side stream filtration of the oil. Purge all air from the filter using the vent valve on top. Note the inlet and outlet pressures to monitor the loading of the element. Replace the element when the \((\Delta P)\) (differential pressure) reaches 25 PSID.

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