MAX-FLO
SUPER HIGH CAPACITY FLOAT & THERMOSTATIC STEAM TRAPS

Pressures to 175 PSIG (12.1 barg)
Temperatures to 377°F (192°C)

- High Capacities
- Rugged cast iron body and cover
- Stainless steel thermostatic element eliminates air binding
- Stainless steel float and lever mechanism
- Below condensate level seat design prevents steam leakage
- Resistant to water hammer and corrosion
- In-Line repairable

MODELS
HC-15 - Steam pressures to 15 PSIG
HC-30 - Steam pressures to 30 PSIG
HC-75 - Steam pressures to 75 PSIG
HC-125 - Steam pressures to 125 PSIG
HC-175 - Steam pressures to 175 PSIG

APPLICATIONS
- Very High Condensate Loads
- Continuous Drainage With High Air Venting Capacity Requirements
- Industrial And Commercial Applications
- Absorption Systems
- Air Handling Coils
- Heat Exchangers
- Dryers Evaporators
- Hot water Generators
- Rendering Machines
- Steam Process Equipment
- Air Make-up Coils
- Unit Heaters And Cooking Kettles

OPERATION
During startup, air and non-condensible gases enter the trap and are automatically vented through an accurate balanced pressure internal thermostatic air vent. As condensate enters the trap, the float and lever mechanism is raised, lifting the valve off the seat, discharging the condensate. Condensate will continue to be discharged at the same rate at which it is entering. Any air or non-condensible gas that may accumulate will be continually and efficiently passed by the thermostatic air vent.

Installation Tip: Always install STV Test & Block Valve as part of trap station
SEE PAGE 354

Installation Tip: Add Uniflex Pipe Coupling for ease of maintenance
SEE PAGE 374
Steam trap shall be of float and thermostatic design. Float shall actuate the valve via a hinged lever and linkage. Air vent shall be of balanced pressure design with stainless steel welded encapsulated bellows capable of discharging air and noncondensable gases continuously. Trap shall be cast iron bodied suitable for pressures to 175 PSI and shall be a _______ NPT connection.

**MAXIMUM OPERATING CONDITIONS**
- **PMO**: Max. Operating Pressure see orifice selection
- **TMO**: Max. Operating Temperature saturated at pressure
- **PMA**: Max. Allowable Pressure 175 PSIG (12.1 barg)
- **PMA**: Max. Allowable Pressure 377ºF (192ºC)

**MATERIALS OF CONSTRUCTION**
- **Body & Cover**: Cast Iron 30,000 psi tensile
- **Valve Pin and Seat**: Stainless Steel (Hardened)
- **Float**: Stainless Steel
- **Lever Assembly**: Stainless Steel
- **Thermostatic Air Vent**: Stainless Steel Cage & Thermal Element
- **Cover Bolts**: Grade 5
- **Baffle**: Stainless Steel (2-1/2 (65mm) units only)

**Dimensions**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>NPT Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
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<td>30</td>
<td>45</td>
<td>35</td>
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**Maximum Capacity-lbs/hr**

| Trap     | Orifice| Max. g | 1/4 | 1/2 | 1 | 6 | 3 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 75 | 100 | 125 | 150 | 175 |
|----------|--------|--------|-----|-----|--|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| HC-175, 2" | 0.875 | 6500  | 8000| 9500|10800|15500|20900|24000|
| HC-175, 2 1/2" | 1.687 | 17000| 20000|27000|36000|46000|55000|60000|
| HC-30, 2" | 0.876 | 3400  | 4600|6400|8400|12500|16900|21500|23590|24000|
| HC-30, 2 1/2" | 1.624 | 14000| 17000|20900|25500|33200|40500|49400|52700|55600|
| HC-75, 2" | 0.858 | 2550  | 3150|4300|5450|7600|10400|11400|12500|13500|14250|15600|17150|18600|20500|
| HC-75, 2 1/2" | 1.031 | 5900  | 7700|10000|13000|18600|24200|28300|31600|34400|36800|41100|44800|48040|52300|
| HC-125, 2" | 0.448 | 2300  | 2800|3450|4200|5450|6600|7450|8050|8600|9850|10350|11950|13400|15600|18850|21800|
| HC-125, 2 1/2" | 0.797 | 4000  | 5300|6900|9100|13000|17100|20000|22400|24500|26300|29400|32100|34650|37600|42100|46000|
| HC-175, 1 1/2" | 0.210 | 260  | 350|480|640|940|1190|1450|1560|1670|1750|1910|2040|2100|2300|2500|2900|3140|3240|
| HC-175, 2" | 0.210 | 260  | 350|480|640|940|1190|1450|1560|1670|1750|1910|2040|2100|2300|2500|2900|3140|3240|
| HC-175, 2 1/2" | 0.375 | 2100 | 2600|3000|3500|4400|4900|5350|5900|6250|6700|7600|8600|9550|11000|12000|14750|16500|18000|
| HC-175, 2 1/4" | 0.888 | 2460  | 3350|4600|6200|9400|12800|15400|17500|19300|21000|23800|26300|28060|31600|35900|39700|43100|46200|

For Kg/HR Multiply by .454