# HIGH PRESSURE STEAM TRAP

**DISCHARGE INTO PUMPED CONDENSATE RETURN LINE**

**NOTES:**
1. 15mm [1/2"] PERFORATED TUBE SHALL HAVE 40 - 16mm [1/8"] DIAMETER HOLES SPACED 40mm [1-1/2"] O.C. IN 4 ROWS.

2. 20mm [3/4"] PERFORATED TUBE SHALL HAVE 78 - 6mm [1/8"] DIAMETER HOLES SPACED 40mm [1-1/2"] O.C. IN 6 ROWS.

3. HOLES IN TUBE SHALL BE SPACED EQUALLY AROUND PERIMETER.

**DESIGNER’S NOTE:**
THIS DETAIL SHALL ONLY BE USED FOR LIMITED SITUATIONS WHERE THE DESIGNER CONDUCTS A FULL ANALYSIS OF THE SYSTEM AND ITS IMPACTS, TO ENSURE THAT CONDENSATE DOES NOT FLASH AND CREATE A WATER HAMMER. REFERENCE THE STEAM DESIGN MANUAL VOLUME 3.