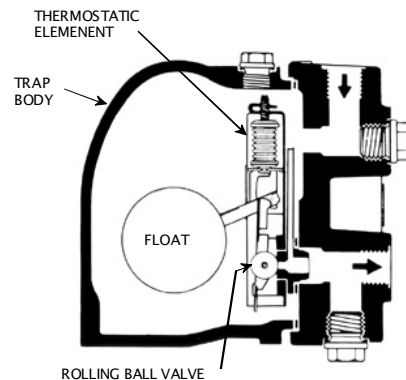


# DONAHUE STEAM SYSTEMS

## DAII 26E and 26H Steam Traps

The DAII 26E and DAII 26H steam traps are specially engineered for the varying loads on process machinery. They are float traps featuring duplex control. A rolling ball valve is operated by a float and thermostatic element. The float moves as a function of the condensate level inside the trap body. When the body fills, the ball valve opens allowing the condensate to discharge. The thermostatic element expands and contracts as a function of saturated steam temperature. Low temperature non-condensable gases are expelled at start up and whenever they accumulate in the trap body during operation. The thermostatic element holds the valve open until the process equipment returns to the saturation temperature. A small venturi tube continuously bleeds naturally occurring non-condensable gases and establishes a constant flow across the thermostatic element. The traps benefit from compact design, large capacity, automatic operation, and rugged construction. They require little routine maintenance and have proven they can operate flawlessly for years. If service is required, the traps can be easily repaired by replacing the internal duplex control mechanism.



### MATERIALS:

Body and Cover:

DAII 26E—Gray Cast Iron

DAII 26H—Cast Steel

All Internal Trap Components made of Stainless Steel (assorted grades)

### CONNECTIONS:

DAII 26E— 3/4" (DN 20)

DAII 26H— 1-1/2" (DN 40)

(Flanged connections also available)



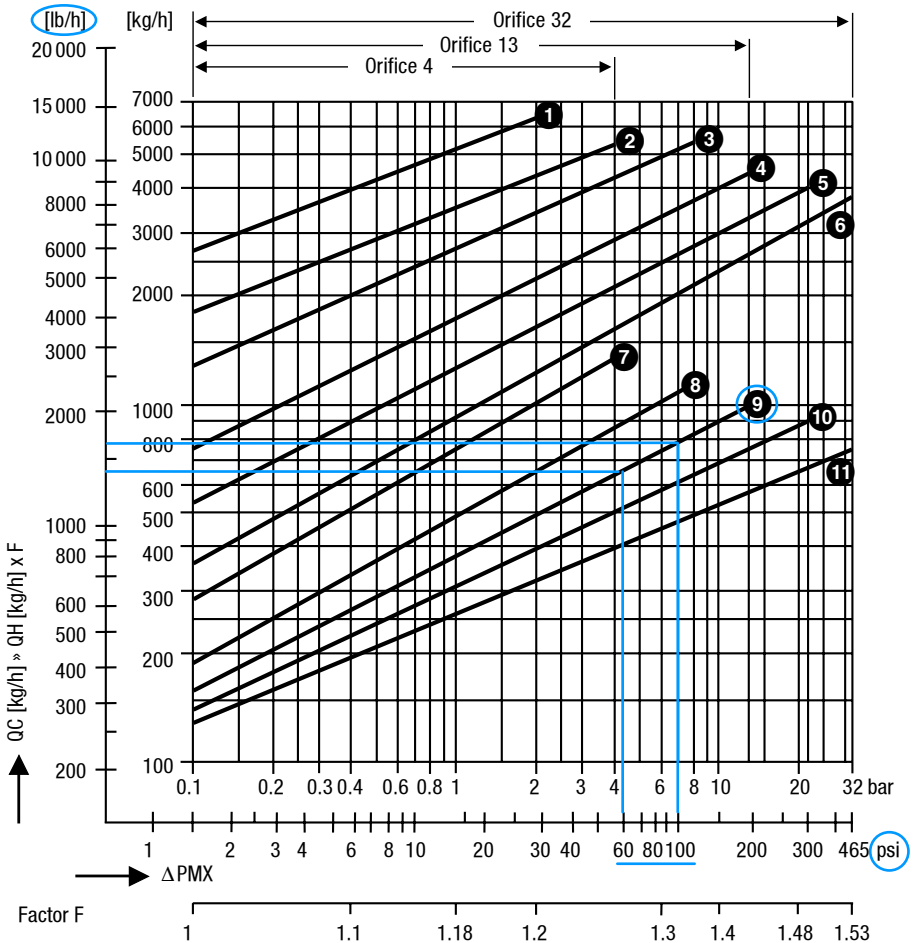
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# Capacity Chart



- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| ① Orifice 2, DN 40 + 50 mm (1½ + 2")  | ⑥ Orifice 32, DN 40 + 50 mm (1½ + 2") |
| ② Orifice 4, DN 40 + 50 mm (1½ + 2")  | ⑦ Orifice 4, DN 15 – 25 mm (½ – 1")   |
| ③ Orifice 8, DN 40 + 50 mm (1½ + 2")  | ⑧ Orifice 8, DN 15 – 25 mm (½ – 1")   |
| ④ Orifice 13, DN 40 + 50 mm (1½ + 2") | ⑨ Orifice 13, DN 15 – 25 mm (½ – 1")  |
| ⑤ Orifice 22, DN 40 + 50 mm (1½ + 2") | ⑩ Orifice 22, DN 15 – 25 mm (½ – 1")  |
| ⑤ Orifice 2, DN 15 – 25 mm (½ – 1")   | ⑪ Orifice 32, DN 15 – 25 mm (½ – 1")  |

Fig. 1