



AIC-HC DN25 Float & Thermostatic Steam Trap

AIC-HC DN25 Nodular Iron F&T Steam Trap, for Horizontal Installation, Screwed or Flanged PN16

Suitable up to 14 barg and 1024 kg/h

Armstrong **AIC-HC DN25** F&T trap is designed for industrial service up to 14 barg. It features all the benefits of Armstrong F&T traps, such as operation against back pressure, continuous drainage, high-capacity venting of air and CO₂, long life and dependable service and enjoys the convenience of in-line connections.

Armstrong **AIC-HC DN25** F&T trap is the perfect solution for applications where there is a need to vent air and non-condensable gases quickly at start-up.

Note: Float & Thermostatic steam traps should not be used in systems where freezing or excessive hydraulic shocks can occur.

Armstrong **AIC-HC DN25** is available with screwed connections (model AIC) or DIN flanged (model AICF having standard face-to-face dimensions).

Armstrong offers also DIN flanged Inverted Bucket, Bimetallic, Thermodynamic and Thermostatic steam traps with standard face-to-face dimensions.

How to Order the AIC-HC Series

Pressure	Model	Connection Size	Option
75	AIC-HC	2	VB
15 = 1 bar 30 = 2 bar 75 = 5 bar 125 = 8,5 bar 200 = 14 bar	AIC-HC = Screwed Connection	4 = 1"	VB = Vacuum Breaker (limited to 10 bar)
	AICF-HC = DIN Flanged Connection	4 = DN25	

Pressure / Temperature Rating:

- Maximum Allowable Pressure: 17 barg (AICF-HC model is limited to PN16)
- Maximum Allowable Temperature: 232°C
- Maximum Operating Pressure: 14 barg

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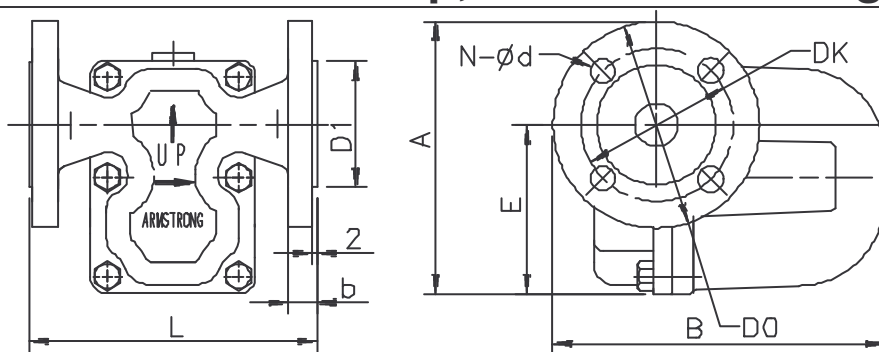
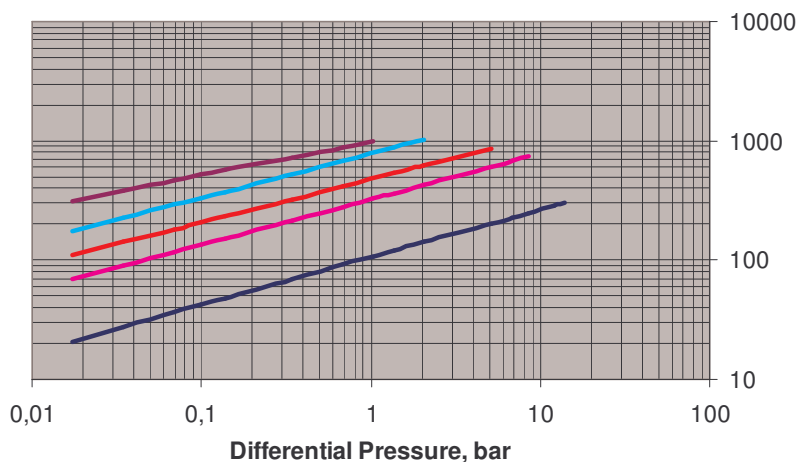


Table 2-1. Available Connections and Face-To-Face Dimensions

Connection	1" DN25
"A" (Height Screwed) in mm	135
"A" (Height Flanged PN16) in mm	152
"B" (Length Screwed) in mm	220
"B" (Length Flanged PN16) in mm	238
"L" (Face-to-face Screwed) in mm	160
"L" (Face-to-face Flanged PN16) in mm	160
"b" (Flange width) in mm	18
"E" (Bottom to centerline of inlet) in mm	96
"D ₁ " in mm	ø 68
"D ₀ " in mm	ø 115
"DK" in mm	ø 85
"N - ød" in mm	4 - ø 14
Vacuum Breaker (optional) in inch	3/8 "
Weight in kg screwed	4,6 kg
Weight in kg flanged	7,25 kg

This model complies with the Article 3.3 of the PED (97/23/EC)

Capacity Chart AIC-HC DN25



— 200-AIC-DN25 (1/8") — 125-AIC-DN25 (11/64") — 75-AIC-DN25 (7/32")
— 30-AIC-DN25 (5/16") — 15-AIC-DN25 (11/32")

Table 2-2. Materials

Body & Cap	EN-GJS-400-18U (EN1563)
Gasket	ASTM A395
Valve	17-4 PH
Seat	Stainless Steel 303
Valve Retainer	Stainless Steel 304
Lever	Stainless Steel 304
Guide Pin Assembly	Stainless Steel 304
Float	Stainless Steel 304
Thermostatic Air Vent	Hastelloy Wafer
Hex Bolt	SAE Grade B2

All dimensions and weights are approximate. Use certified drawings for exact dimensions. Design and materials are subject to change without notice.

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