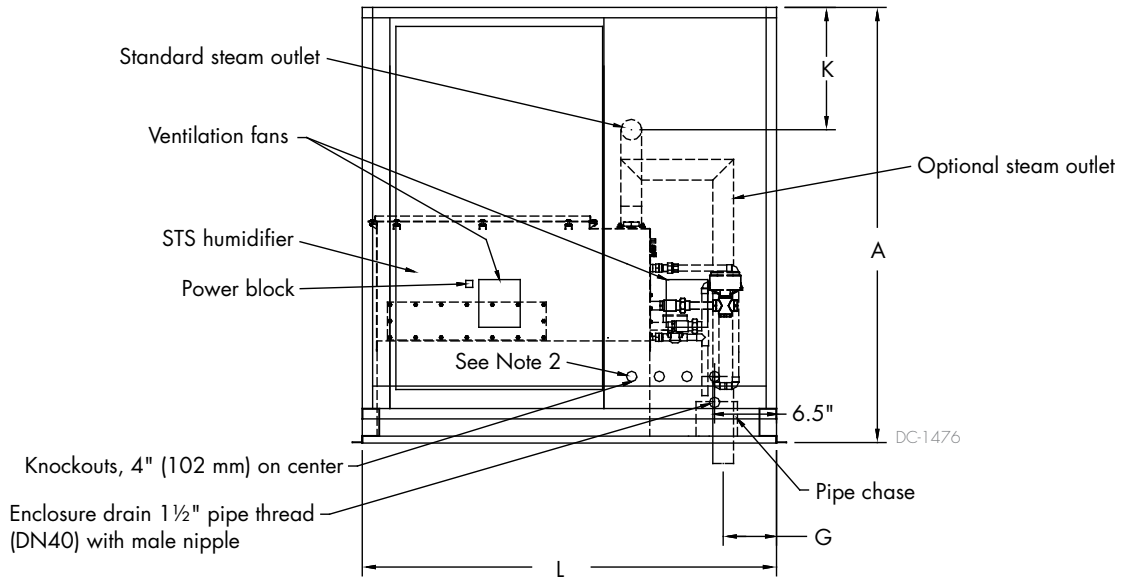


STS[®] humidifier outdoor enclosure dimensions

FIGURE 1-1: OUTDOOR ENCLOSURE WITH STANDARD OR OPTIONAL STEAM OUTLET, ELEVATION VIEW



Notes:

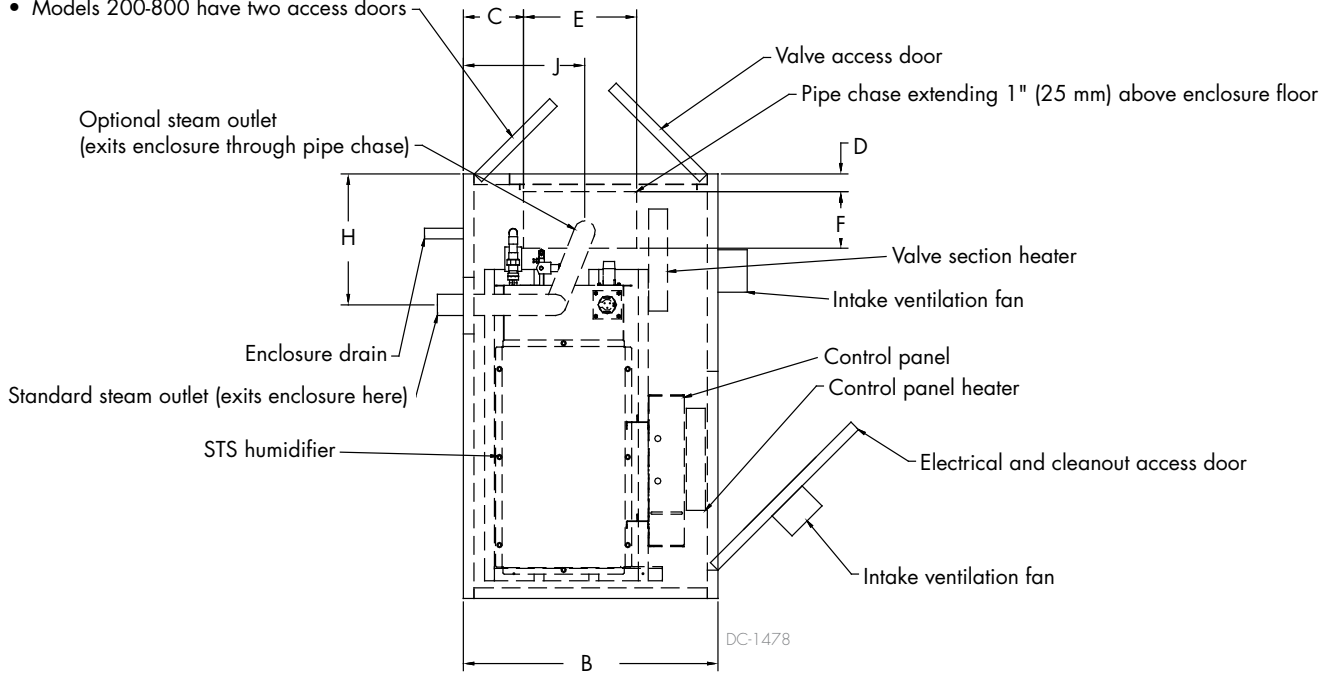
1. The Outdoor Enclosure has two available steam distribution configurations. The standard configuration has a steam outlet on the right side of the Outdoor Enclosure for connecting to steam dispersion unit piping. The optional internal steam distribution configuration routes steam within the Outdoor Enclosure and down through the enclosure pipe chase into a building.
2. There are four knockouts located on the right and left side of the enclosure. Knockout sizes are 1 1/2" (hole dia. 50 mm) for STS models 25-100, and 2" (hole dia. 63.5 mm) for STS models 200-800. Run the electrical power into the enclosure at these knockouts.
3. All piping from the STS unit to the steam outlet is stainless steel pipe. Depending on the application, tubing or DriSteem steam hose is recommended for interconnecting piping from steam outlet to dispersion assembly.
4. Install a riser trap in the branch line leading to the humidifier.
5. The preferred location for the STS steam control valve is inside the Outdoor Enclosure. If one of these valves must be located inside the building, it must be located within 6' (1.8 m) of the humidifier to reduce pressure drop.
6. See the dimensions in Table 2-1.

STS humidifier dimensions

FIGURE 2-1: OUTDOOR ENCLOSURE, TOP VIEW

Valve access door:

- Models 25-100 have one access door
- Models 200-800 have two access doors



**Table 2-1:
Outdoor Enclosure dimensions***

Item	Description	STS model			
		25-100		200-800	
		inches	mm	inches	mm
A	Enclosure height	56.00	1422	66.00	1676
B	Enclosure width	36.00	914	46.00	1168
C	Pipe chase position	4.50	114	4.50	114
D		2.00	57	3.50	89
E	Pipe chase size	20.00	508	32.00	312
F		8.00	203	10.00	254
G	Steam pipe position	6.00	152	8.50	216
H		18.63	473	22.00	559
J		14.50	368	20.50	521
K		12.25	311	11.00	279
L	Enclosure length	60.00	1524	78.00	1981

* See drawings in Figures 1-1 and 2-1.

**Table 2-2:
STS Outdoor Enclosure electrical specifications**

	Voltage	Current	Maximum disconnect
Outdoor Enclosure without heater package	120 Vac, 50/60 Hz	3.5 A	10 A
Outdoor Enclosure with heater package	120 Vac, 50/60 Hz	13.5 A	20 A

STS humidifier outlet sizes and types

**Table 3-1:
Outdoor Enclosure connection sizes**

Description	STS model	
	25 – 100	200 – 800
Water makeup (fill)	1/4" pipe thread (DN8)	1/4" pipe thread (DN8)
Drain	3/4" (DN20)	1" (DN25)
Condensate return	3/4" pipe thread (DN20)	3/4" pipe thread (DN20)
Steam outlet	See Table 3-1.	

**Table 3-2:
Outdoor Enclosure weights**

STS model	Shipping weight*		Operating weight*	
	lbs	kg	lbs	kg
25	600	272	680	308
50	625	284	840	381
100	640	290	860	390
200	1050	476	1650	748
400	1125	510	1750	794
800	1225	556	2250	1021

* Includes humidifier

Specifications:

- See your humidifier's catalog or installation, operation and maintenance manual for capacities and input requirements.
- Add 15 full load amps (120 VAC) when using an outdoor enclosure with a heater package.
- Add 2 full load amps (120 VAC) when using an outdoor enclosure without a heater package.

**Table 3-3:
STS steam outlet sizes and types**

STS model	Hose size	Flange size			
	2" (DN50)	3" (DN80)	4" (DN100)	5" (DN125)	6" (DN150)
25	X				
50	X	X			
100	X	X	X		
200		X	X	X	X
400		X	X	X	X
800			X	X	X

Note: For pipe thread steam outlet options, see DriCalc, DriSteeM's free sizing and selection software, available at www.drirsteem.com.