



Patented Fishbone Wick



Patented Inverted Slot Technology

ultimateSteam

Direct Injection Steam Humidifier

The ultimateSteam is the world's highest efficiency direct steam humidifier, using hi-tech insulation to reduce condensate and minimize duct heat gain.

Due to our patented Inverted Slot technology, the ultimateSteam is the champion of short evaporation distance.

FEATURES:

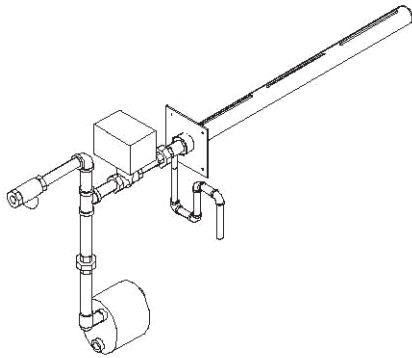
- Patented Inverted Slot Design with 100% Air to Steam Contact
- Patented Internal Fishbone Wick - Absolutely NO Spitting
- 316 Stainless Steel Construction
- Standardized Sizes Through 120" x 120"
- Hi-Tech Insulation Coating (120°F Maximum Surface Temp)
- Minimal Condensate Production and $<2^{\circ}$ Air ΔT
- Simple and Easy Assembly Using Slip Fittings
- No O-Rings, Gaskets or Plastic Parts to Replace - Zero Maintenance

APPLICATIONS:

- Hospitals
- Libraries
- Museums
- Offices

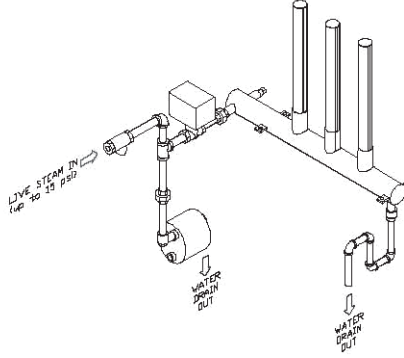
Technical Specifications

**DS0 - Single Pipe System
To 100 lbs/hr**



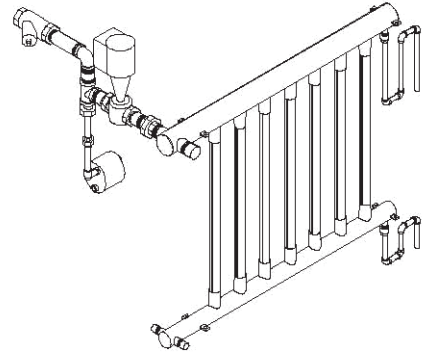
Width from 12 to 72 inches

**DSB - Multipipe System
To 500 lbs/hr**



Width from 18 to 120 inches
Height from 12 to 120 inches

**DST - Multipipe System
To 2200 lbs/hr**



Width from 36 to 120 inches
Height from 24 to 120 inches

Model Selection				
DS	B	H	F	0000
DS = ultimateSteam	Type	Width = In. (mm)	Height = In. (mm)	Version
	0=single pipe	A=12 (300)	A=12 (300)	Internal Use Only
	B=bottom fed	B=18 (450)	B=18 (450)	
	T=top fed	C=24 (600)	C=24 (600)	
		D=36 (900)	D=36 (900)	
		E=48 (1200)	E=48 (1200)	
		F=60 (1500)	F=60 (1500)	
		G=72 (1800)	G=72 (1800)	
		H=84 (2100)	H=84 (2100)	
		I=96 (2400)	I=96 (2400)	
		L=108 (2700)	L=108 (2700)	
		M=120 (3000)	M=120 (3000)	

Construction: Type 316 Stainless Steel

Insulation: Proprietary high R value pliable coating, plenum safe, non-toxic

Maximum temperature: 500°F (260°C)

Maximum manifold pressure: 1 psi (0.07 Bar)

Control valves:

Electric: Siemens or other, full pressure drop

Pneumatic: Siemens or other, full pressure drop

(CAREL uses Siemens valves as standard with maximum 60 psi (4 Bar) inlet pressure)

Steam traps: float & thermostatic standard



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