

Bill Of Materials



Name	Item (Part #)	Humidifier	Qty
Zone(1)	Valve, SS, 3/4in, CV 6.20 (1594223)		1
Zone(1)	Actuator 0-10Vdc 1/2-2in (1/2-3/4in SS) (1507549)	1594223	1
Zone(1)	Wye Strainer, SS, 1.0 in. NPT (1599632)	1594223	1
Zone(1)	Trap Inv Bucket SS up to 75 psig (1599616)	1594223	1
Zone(1)	Humidistat, Control, 0-10V, Dig. Duct (2520266)	1594223	1
Zone(1)	Humidistat, Control, 0-10V, Dig. Duct (2520266)	1594223	1
Zone(1)	Dual Dem Controller for NHRS, RH2, LS (2558776)	1594223	1
Zone(1)	SP Switch Air Proving, Duct, mtd. (1329203)	1594223	1
Zone(1)	HEADER SAM-E 48, 3" CENTERS (SST) (2549912)	1594223	1
Zone(1)	Header Insulation, SAM-e 48in (2538915)	1594223	1
Zone(1)	Steam Tube, SAM-e, 24in Type B, 304SS (1503413)	1594223	13
Zone(1)	Insulation, Single Tube, SAM-e 24in (2538847)	1594223	13
Zone(1)	Mounting Frame, SAM-e 27in - 51in, SS (2521404)	1594223	1
Zone(1)	Inlet Kit SAM-e, Press 0.75NPT (1503474)	1594223	1
Zone(1)	SP Top Center Mounting Assembly (2591657)	1594223	1
Zone(1)	SP SAM-e Adjustable yoke,Side Frame qty2 (2591658)	1594223	1
Zone(1)	Steam Separator Model 300 (2593395)	1594223	1
Zone(1)	Trap, F&T up to 65 psig, SST (1599614)	1594223	1

Data Sheet - Zone(1)



LiveSteam



Project Name:
 Project Number:
 Salesperson:
 Date: 2019-10-02

Calculation Basis

Humidification Load (total)	291.6 lbs/h	Outside Air	Temperature	-2°F
Duct Size	50 x 40 in.		Relative Humidity	49 %
Total Air Volume	26000 CFM		Absolute Humidity	2.5 gr/lb
Outside Air	43 %	Before Humidification	Temperature	55°F
Air Velocity	1871.9 ft./min		Relative Humidity	40 %
Altitude	692 ft		Absolute Humidity	26.5 gr/lb
Air Pressure	14.3 psig	After Humidification	Temperature	55°F
Humidity Increase	42.1 gr/lb		Relative Humidity	68 %
			Absolute Humidity	44.6 gr/lb
		Space Design	Temperature	70°F
			Relative Humidity	40 %
			Absolute Humidity	44.6 gr/lb

Product Data

Valve, St. St. 3/4" CV=6.20

Supplied Steam Pressure:	30 psig	Width:	10.3 in.
Adjusted Maximum Capacity:	387.9 lbs/h	Height:	12.2 in.
Minimum Steam Pressure:	2 psig	Depth:	6 in.
Maximum Steam Pressure:	50 psig	Valve CV:	6.2

HEADER SAM-E 48, 3" CENTERS (SST)

Absorption Distance:	1.57 ft	Length:	46.25 in.
Width:	9 in.	Net Weight:	21.9 lbs
Height:	8.75 in.	Product Length:	48 in.



