

DIMENSIONS & DATA CERTIFIED FOR:

Representative:

Order:

Customer:

Order:

Project:

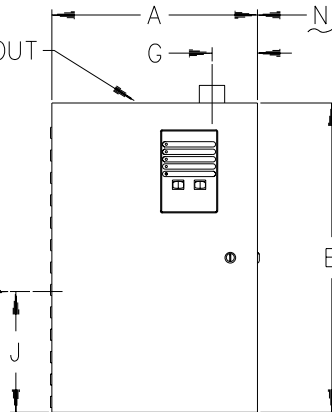
Requirements:

By:

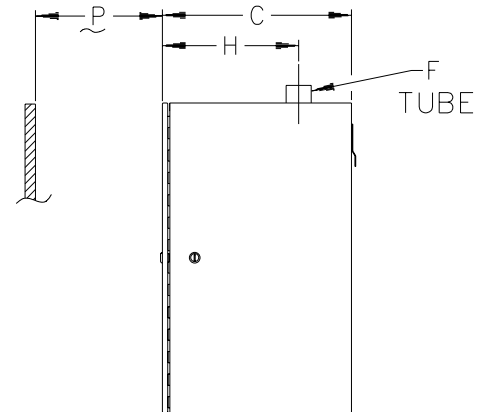
Date:

OPTIONAL KNOCK-OUT FOR HUMIDISTAT

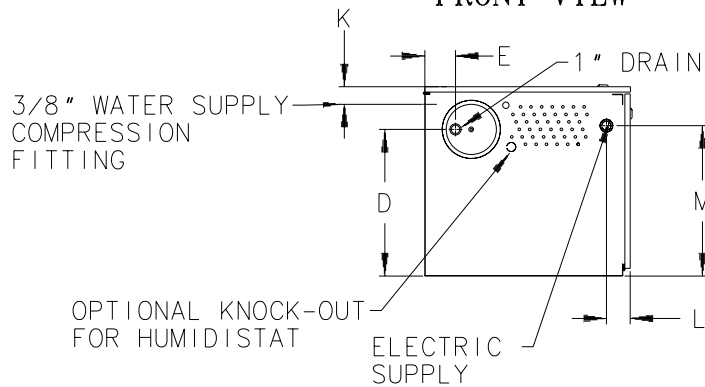
3/8" WATER SUPPLY COMPRESSION FITTING



FRONT VIEW



SIDE VIEW



BOTTOM VIEW

STANDARD PACKAGE INCLUDES:

- Humidifier
- Mounting Bracket & Bolts
- Hose Cuffs
- Hose Clamps
- 0-10 Vdc Room or Duct Humidistat (HC4100/HC4300)
- ON/OFF Room or Duct Humidistat (HC4145)

OPTIONS AVAILABLE:

- Dwyer Duct Pressure Switch
- 0-135 OHM Humidistat
- ON-OFF Control Humidistat **
- 1.9 - 3.9 Vdc Control Humidistat
- ON-OFF High Limit Humidistat
- Modulating High Limit Humidistat
- Remote Indicator Panel Of Humidifier Status
- EHF III Fan Package

**Note HC4145 only for use with ON/OFF Control

MODEL HC4100, HC4145 & HC4300	
CABINET DESCRIPTION	DIMENSION[mm]
A Width	19-7/16" [494]
B Height	29-1/4" [743]
C Depth	17-7/8" [454]
D Drain/Back	13-13/16" [351]
E Drain/Side	2-29/32" [74]
F Steam Discharge Tube(OD)	2-3/8" [60]
G Steam Outlet- Side	4-5/16" [109]
H Steam Outlet- Front	12-7/8" [327]
J Water Supply- Bottom	11-7/16" [290]
K Water Supply- Front	1-21/32" [42]
L Electric Supply- Side	2-1/4" [57]
M Electric Supply-Back	14-7/32" [361]
N Clearance- Side	24" [645]
P Clearance- Front	

LIST OF MATERIALS

Generator Tank	T304 Stainless Steel
Cabinet	18 GA Steel
Cabinet Finish	Powder Coated Epoxy Enamel
Elements	Stainless Steel
Ionic Bed Module	Inert Fiber *
Ionic Bed Frame	T304 Stainless Steel *
Hose Cuffs	EPDM Rubber
Dispersion Tube	18-8 Stainless Steel
Tank Gasket	Closed Cell Silicone

* Not Used In Deionized Water (DI) Applications

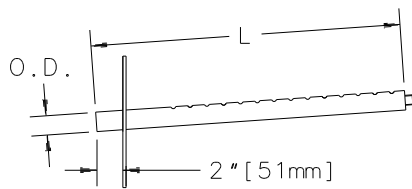

 Armstrong International, Inc.
 Three Rivers Division
 Three Rivers, MI 49093
Armstrong (616) 273-1415 Fax(616) 278-6555
 Posted on Armstrong's homepage www.armstrong-intl.com

Product	CD No.	Date
HUMIDICLEAN SERIES 4000	1098	9/3/97
		Rev. C

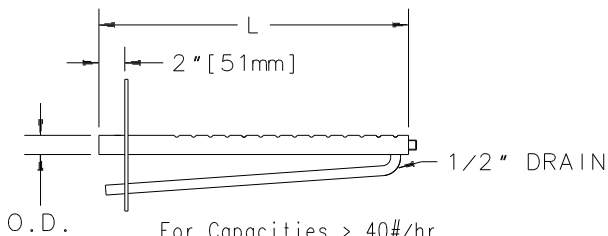
Steam Capacities & Nominal Amperage Ratings

MODEL # HC4100 HC4100 DI		MODEL # HC4100/HC4100 DI HC4145/HC4145 DI				MODEL # HC4300/HC4300 DI						
VOLTAGE (VAC)	3 KW Unit			9 KW Unit			15 KW Unit		18 KW Unit		30 KW Unit	
	Nominal AMPS		Steam Output	Nominal AMPS		Steam Output	Nominal AMPS	Steam Output	Nominal AMPS	Steam Output	Nominal AMPS	Steam Output
	Single Phase	Three Phase	lbs[kg] hr	Single Phase	Three Phase	lbs[kg] hr	Three Phase	lbs[kg] hr	Three Phase	lbs[kg] hr	Three Phase	lbs[kg] hr
208	13.3	7.7	8.3[3.8]	39	22	24[11]	37	40[18]	44	48[22]	74	80[36]
240	12.9	7.5	9.0[4.1]	38	22	27[12]	36	45[20]	44	54[25]	72	90[41]
380	-	4.7		-	14		23		28		46	
480	-	3.8		-	11		18		22		36	
600	-	3.0		-	9		15		18		30	

NOTE: When unit has capacity of above 40 lb/hr [18] use steam dispersion tube with 1/2" drain



For Capacities < 40#/hr



For Capacities > 40#/hr

DISPERSION TUBES

Recommended Branch Circuits		
NOMINAL AMP RATING	WIRE (GAGE)	CIRCUIT BREAKER
1-12	14	15
13-15	12	20
16-20	10	25
21-24	10	30
25-32	8	40
33-40	8	50
41-48	6	60
49-64	4	80
65-80	3	100
81-100	1	125

SELECTING PROPER DISPERSION TUBE

MODEL # HC4100/HC4100 DI HC4145/HC4145 DI	O.D.	MODEL # HC4300 HC4300 DI	O.D.	LENGTH (L) [cm]	DUCT WIDTH		WEIGHT (LBS.) [kg] 1-1/2" O.D.	WEIGHT (LBS.) [kg] 2-3/8" O.D.
					MIN.	MAX.		
D-1	1-1/2" [38]	DL-1	2-3/8" [60]	12" [30]	11" [28]	16" [41]	2 [1]	2.7 [1.2]
D-1.5		DL-1.5		18" [46]	17" [43]	22" [56]		3.4 [1.5]
D-2		DL-2		24" [61]	23" [58]	34" [86]	3 [1.4]	4 [2]
D-3		DL-3		36" [91]	35" [89]	46" [117]		6 [3]
D-4		DL-4		48" [122]	47" [119]	58" [147]	4 [2]	8 [3.6]
D-5		DL-5		60" [152]	59" [150]	70" [178]		5 [2.3]
D-6		DL-6		72" [183]	71" [180]	82" [208]	6 [3]	12 [5.5]
D-7		DL-7		84" [213]	83" [211]	94" [239]	7 [3.2]	14 [6.4]
D-8		DL-8		96" [244]	95" [241]	106" [269]	8 [3.6]	16 [7.3]
D-9		DL-9		108" [274]	107" [272]	118" [300]	9 [4]	18 [8.2]
D-10	DL-10	120" [305]	119" [302]	130" [330]	10 [4.5]	20 [9.1]		

MODEL # HC4100/4145/4300	WEIGHT [kg]
Approx. Shipping Weight	112 lb. [51]
Tank (Dry)	28 lb. [13]
Cabinet	84 lb. [38]
Maximum Operating Weight - Full	186 lb. [84]
EHF-3 Fan Package	33 lb. [15]

Armstrong International, Inc.
Three Rivers Division
Three Rivers, MI 49093
Armstrong (269) 273-1415 Fax (269) 278-6555
Posted on Armstrong's homepage www.armstrong-intl.com

Product	CD No.	Date
HUMIDICLEAN SERIES 4000 (Cont'd)	1098	7/30/03
		Rev. D