

CS Steam Capacity Ratings					
Steam Pressure psig [bar]	Model CS Output Ibs/hr [kg/hr] -12S -13S				
	-12DI	-13DI	-13C		
2 [0.14]	4 [2]	5 [2.3]	-		
5 [0.35]	30 [14]	50 [23]	50 [23]		
10 [0.69]	80 [36]	100 [45]	175 [80]		
13 [0.90]	105 [48]	150 [68]	210 [95]		
15 [1] Maximum	120 [55]	180 [82]	240[109]		

Capacity Based On Steam Pressure Down Stream Of Control Valve. Pressure Drop Through Control Valve Is Approximately 2 psi[.13 bar].

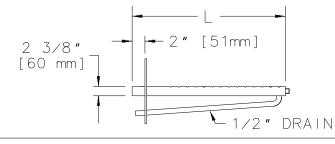
01	OPTION LIST			
Humidistat	Control (Room Or Duct) High Limit			
Switch, <u>Pressure</u> Air Flow Sail				
Heat Exchanger	TFE (Teflon Coated) ★ Phenolic (DI Water)			
Lid Type, Steam Outlet	(2) 2-3/8 Dia. <180 lb/hr [82 kg/hr] (3) 2-3/8 Dia. (1) 4" RF Flg. →180 lb/hr[82 kg/hr]			
Water Inlet Group <u>Electrode</u> Float				
Support Legs Insulation, Tank				

* Coated Heat Exchanger May Have Reduced Capacity

	STANDARD OPERATORS					
Туре	Model & Manufacturer	Control Signal				
	AM Armstrong C1801	Adjustable Start Point, 3-6 psi Standard Range, 10 psi Optional Range, 5 psi				
Pneumatic	HAM Honeywell MP953D	Operating Range, 4-11 psi Standard 8-13 psi 3-7 psi				
	HAM Honeywell MP953F	Adjustable Start Point Standard Range, 5 psi (Has Pilot Optional Range, 10 Or 3 psi Positioner)				
<u>Electric</u>	HEM Honeywell M9182A	0-135 ohm Standard; 4-20 mA w/A9847 & 2-10 Vdc w/ Optional Module A10024				
Electric	BLEM Belimo AF24-SR BNVEM Belimo NVF24	2-10 Vdc/4-20Ma				

	SELECTING PROPER DISPERSION TUBE							
Model	Length "L" in [mm]		Duct Width			Weight		
CS-11			Min.		Max.		lb [kg]	
DL-1	12	[305]	11	[279]	16	[406]	2.7	[1.2]
DL-1.5	18	[457]	17	[432]	22	[559]	3.4	[1.5]
DL-2	24	[610]	23	[584]	34	[864]	4	[1.8]
DL-3	36	[915]	35	[889]	46	[1168]	6	[2.7]
DL-4	48	[1219]	47	[1194]	58	[1473]	8	[3.6]
DL-5	60	[1524]	59	[1499]	70	[1778]	10	[4.5]
DL-6	72	[1829]	71	[1803]	82	[2083]	12	[5.5]
DL-7	84	[2134]	83	[2108]	94	[2388]	14	[6.4]
DL-8	96	[2438]	95	[2413]	106	[2692]	16	[7.3]
DL-9	108	[2743]	107	[2718]	118	[2997]	18	[8.2]
DL-10	120	[3048]	119	[3023]	130	[3302]	20	[9.1]

DISPERSION TUBE



Armstrong International, Inc. Three Rivers Division Three Rivers, MI 49093						
Armstrong (616) 273-1415 Fax(616) 273-9500						
Posted on Armstrong's homepage www.armstrong-intl.com						
Product	CD No.					
HUMIDIFIER,		02/08/02				
STEAM TO STEAM	1213	Rev				
CS-12 & 13	Sht. 3	D				

DIMENSIONS & DATA CERTIFIED FOR:

