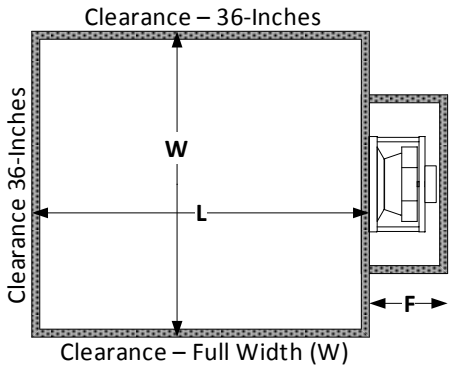
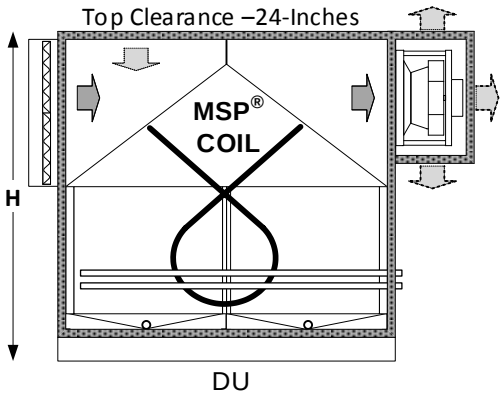
SERIES *DU*
DEHUMIDIFYING AIR HANDLERS
(IP VERSION)



- **Reliable—No Moving Parts except a simple Direct Drive (Beltless) Fan**
- **Automatic Air Volume Control**
- **Sanitary—No Standing Water**
- **No Heating Energy Source Is Required**
- **Chilled Water and Refrigerant Models**
- **Refrigerant Models Uses Traditional Condensing Units**
- **Multiple Return and Discharge Locations**



MODEL DU-	f³/m	DIMENSIONS (In) (a)						FAN (g)		CAPACITY (lb/hr) (h)		TONS (h)		FILTERS (a)	WEIGHT (a)
		L	W	H (f)	F	RETURN	SUPPLY	Qty-Size	kW	80/60%	75/50%	80/60%	75/50%	Qty - Size	lb
0202	500	19	36	64	16	32x6	22x8	1-280	1.6	15.4	6.7	1.6	0.9	2- 6x16x2	564
0203	750	27	36	64	16	32x10	22x12	1-280	1.6	23.1	10.1	2.4	1.3	2-10x16x2	760
0204	1,000	34	36	64	16	32x12	22x15	1-280	1.6	30.8	13.5	3.2	1.8	2-12x16x2	994
0206	1,500	49	36	65	16	32x18	22x23	1-280	1.6	46.2	20.2	4.8	2.6	2-18x16x2	1,602
0404	2,000	34	57	65	16	53x12	43x15	1-315	2.5	61.6	26.9	6.5	3.5	2-12x25x2	1,222
0406	3,000	49	57	68	16	53x18	43x23	1-355	2.5	92.3	40.4	9.7	5.3	2-18x25x2	1,897
0804	4,000	34	100	70	19	96x12	86x15	1-400	3.6	123.1	53.9	12.9	7.1	4-12x24x2	1,734
0806	6,000	49	100	70	19	96x18	86x23	2-400	6.6	184.7	80.8	19.4	10.6	4-18x24x2	2,546
0808	8,000	66	100	74	19	96x24	86x30	2-400	6.6	246.3	107.8	25.9	14.1	4-24x24x2	3,341
0810	10,000	81	100	82	25	96x32	86x38	2-560	12.0	307.8	134.7	32.3	17.6	8-16x24x2	4,433
0812	12,000	96	100	86	25	96x36	86x45	2-560	12.0	369.4	161.6	38.8	21.2	8-18x24x2	5,239
0814	14,000	113	100	98	25	96x48	86x53	2-560	12.0	431.0	188.6	45.2	24.7	8-24x24x2	6,154
0816	16,000	128	100	122	25	96x72	86x60	3-560	18.0	492.5	215.5	51.7	28.2	12-24x16x2	7,468
0818	18,000	143	100	122	25	96x72	86x68	3-560	18.0	554.1	242.5	58.2	31.7	12-24x18x2	8,218

(a) Weight and Dimensions are subject to change without notice

(g) Fans data based on 1.0" ESP

(h) Based on sea level operation with 45f supply air dew point.

CONTACT US TODAY! **msp@kccmfg.com** **502.491.9881 ext 1161** **www.msptechnology.com**

SERIES *DU*
DEHUMIDIFYING AIR HANDLERS
(IP VERSION)

ABOUT MSP® DEHUMIDIFICATION TECHNOLOGY

MSP® Dehumidification Technology is offered in a wide range of super-efficient, industrial grade dehumidification equipment under the MSP Technology brand, and others. Designed specifically for green applications, MSP products are engineered for high performance, guaranteed.

SOME APPLICATIONS FOR MSP TECHNOLOGY

INDOOR FARMING
Produce • Medical Marijuana

ATMOSPHERIC WATER GENERATION

CONDENSATION CONTROL
Supermarkets •Indoor Ice Rinks • Water Treatment
Wastewater Treatment Facilities

PRODUCT DRYING
Leather • Food Drying • Paper Production
Investment Casting • Lumber

PRESERVATION
Dry Storage Warehouses •Paper Storage
Museums • Archives • Libraries • Film Storage

EXPLOSIVE & FLAMMABLE ENVIRONMENTS
Paint Spray Booths • Military • Munitions Storage

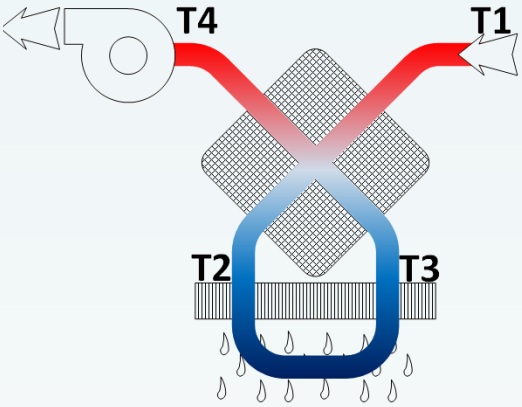
CRITICAL ENVIRONMENT
Semiconductor Manufacturing • Pharmaceuticals
Health Care• Laboratories • Clean Rooms

OUR CLIENTS INCLUDE

and many more...

HOW IT WORKS

MSP® DEHUMIDIFICATION AND ATMOSPHERIC WATER GENERATION TECHNOLOGY



STEP 1 Warm, humid incoming air (T1) flows through the first pass of the plate type air-to-air heat exchangers for pre-cooling and initial condensing and water production. This is accomplished by regenerative thermal exchange with the cooler air that is leaving the heat exchanger. (see step 3)

***Advantage**: Pre-cooling , condensing and water production by regenerative thermal exchange are "free" and involve no additional equipment.*

STEP 2 Pre-cooled air (T2) then passes twice over conventional cooling coils for final cooling, condensing and water production

***Advantage:** Pre-conditioned air can be treated much more efficiently, using smaller compressors that require as little as one-half the power.*

STEP 3 The cool, now dry air (T3) is then drawn back through the opposite side of the heat exchanger where it absorbs some heat from incoming air (see step 1) and continues on to possibly serve a secondary purpose.

***Advantage:** No heating coil—and no energy penalty—needed to reheat the dehumidified air before it enters the conditioned environment.*

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