

- ◆ Direct Drive Fan—No belts or pulleys
- ◆ Automatic Constant Air Volume Control
- ◆ Reliable—No Moving Parts (except fan)
- ◆ Sanitary—No Standing Water
- ◆ Chilled Water or Refrigerant Models
- ◆ Uses Traditional Condensing Units
- ◆ No Heating Energy Source Is Required
- ◆ Post Cooling / Heating Coil Option
- ◆ Multiple Discharge Locations

MODEL DV_A- (e)	ft <sup>3</sup> /m	DIMENSIONS (a)					FAN (g)		CAPACITY (lb/hr) (h)		TONS (h)		FILTERS (a)	WEIGHT (a)
		L	W	H (f)	Return	Supply	Qty-Size	Watts	80/60%	75/50%	80/60%	75/50%	Qty - Size	lb
4B0202	500	19	33	72	10x20	19x19	1-W280	596	15.4	6.7	1.6	0.9	1-10x20x2	616
4B0204	1,000	34	33	77	14x25	19x19	1-W280	887	30.8	13.5	3.2	1.8	1-14x25x2	884
4B0304	1,500	34	44	77	12x40	19x19	1-W280	1,330	46.2	20.2	4.8	2.6	2-12x20x2	1,085
4B0404	2,000	34	55	81	18x48	23x23	1-W355	1,570	61.6	26.9	6.5	3.5	2-18x24x2	1,326
4B0406	3,000	49	55	90	18x48	23x23	2-W280	2,640	92.3	40.4	9.7	5.3	2-18x24x2	1,780
4B0606	4,500	49	77	90	20x72	23x46	2-B355	2,940	138.5	60.6	14.5	7.9	3-20x24x2	2,390
4B0608	6,000	66	77	91	24x72	23x46	2-B400	3,560	184.7	80.8	19.4	10.6	3-24x24x2	2,924
4B0708	7,000	66	89	96	25x84	25x50	2-B400	4,400	215.5	94.3	22.6	12.3	6-14x25x2	3,368
4B0808	8,000	66	100	95	24x96	25x50	2-B400	5,320	246.3	107.8	25.9	14.1	4-24x24x2	3,683
4B0710	8,750	81	89	107	36x80	25x50	2-B400	6,140	269.4	117.9	28.3	15.4	8-18x20x2	4,113
4B0810	10,000	81	100	107	36x96	25x50	2-B500	6,080	307.8	134.7	32.3	17.6	8-18x24x2	4,638
4B0712	10,500	96	89	111	40x84	25x50	2-B500	6,420	323.2	141.4	33.9	18.5	12-14x20x2	5,014
4B0812	12,000	96	100	107	36x96	25x75	3-B400	7,980	369.4	161.6	38.8	21.2	8-18x24x2	5,318

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

(e) Insert "I" for indoor construction or "O" for outdoor construction. Example DVIA or DVOA

(f) Consult factory for Height with post cool/heat coils installed

(g) Fans data based on 1.0" ESP

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

## 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

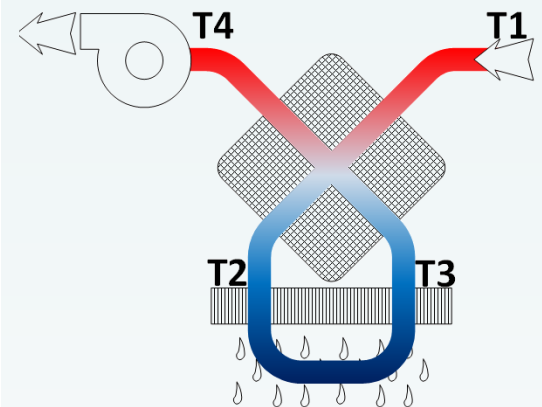
## OUR CLIENTS INCLUDE



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.