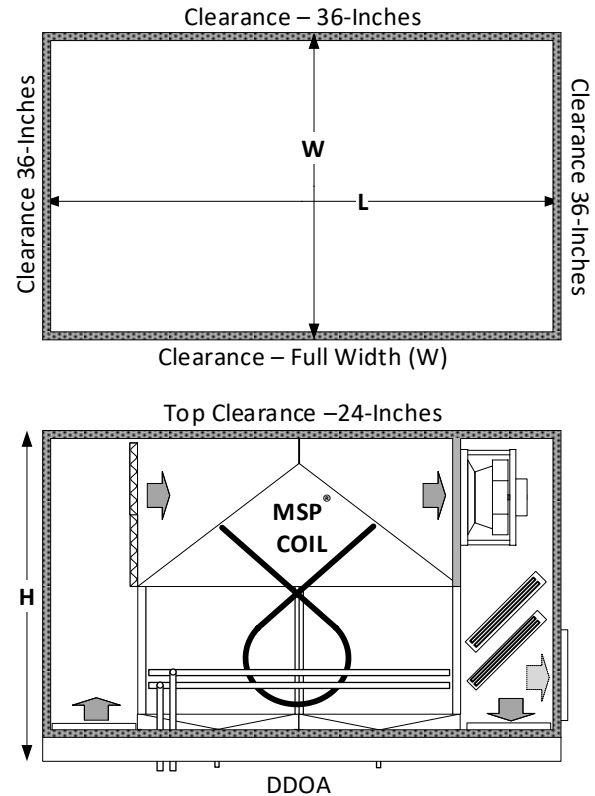


- ◆ **Reliable—No Moving Parts except a simple Direct Drive (Beltless) Fan with Automatic Air Volume Control**
- ◆ **Sanitary—No Standing Water**
- ◆ **No Heating Energy Source Is Required**
- ◆ **Chilled Water and Refrigerant Models**
- ◆ **Refrigerant Models Uses Traditional Condensing Units**
- ◆ **Post Cooling / Heating Coil Options**
- ◆ **Multiple Return and Discharge Locations**
- ◆ **Roof Curb Options**
- ◆ **Exhaust Air Energy Recovery Options**



MODEL DDOA-	ft <sup>3</sup> /m	DIMENSIONS (In) (a)					FAN (g)		CAPACITY (lb/hr) (h)		TONS (h)		FILTERS (a)	WEIGHT (a)
		L	W	H (f)	RETURN	SUPPLY	Qty-Size	kW	80/60%	75/50%	80/60%	75/50%	Qty - Size	lb
4B0202	500	44	36	64	32x5	22x8	1-R280	0.7	15.4	6.7	1.6	0.9	2-16x 6x2	797
4B0203	750	54	36	64	32x7	22x12	1-R280	0.7	23.1	10.1	2.4	1.3	2-16x10x2	935
4B0204	1,000	66	36	64	32x9	22x15	1-R280	0.9	30.8	13.5	3.2	1.8	2-16x12x2	1,100
4B0206	1,500	94	36	65	32x14	22x23	1-R280	1.3	46.2	20.2	4.8	2.6	2-16x18x2	1,452
4B0404	2,000	68	57	65	53x11	43x15	1-Z315	1.5	61.6	26.9	6.5	3.5	2-25x12x2	1,570
4B0406	3,000	97	57	68	53x17	43x23	1-Z355	2.2	92.3	40.4	9.7	5.3	2-25x18x2	2,136
4B0804	4,000	69	100	70	96x12	86x15	1-Z400	3.1	123.1	53.9	12.9	7.1	4-24x12x2	2,535
4B0806	6,000	98	100	70	96x18	86x23	2-Z400	2.7	184.7	80.8	19.4	10.6	4-24x18x2	3,479
4B0808	8,000	128	100	74	96x24	86x30	2-Z400	5.9	246.3	107.8	25.9	14.1	4-24x24x2	4,380
4B0810	10,000	149	100	82	96x30	86x27	2-Z560	7.1	307.8	134.7	32.3	17.6	8-24x16x2	5,414
4B0812	12,000	176	100	86	96x36	86x32	2-Z560	8.3	369.4	161.6	38.8	21.2	8-24x18x2	6,426
4A0814	14,000	205	100	98	96x42	86x38	2-Z560	9.7	431.0	188.6	45.2	24.7	8-24x24x2	7,607
4B0816	16,000	232	100	98	96x48	86x43	3-Z560	11.3	492.5	215.5	51.7	28.2	12-24x16x2	8,695
4B0818	18,000	259	100	104	96x54	86x49	3-Z560	12.5	554.1	242.5	58.2	31.7	12-24x18x2	9,782

(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.

### 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

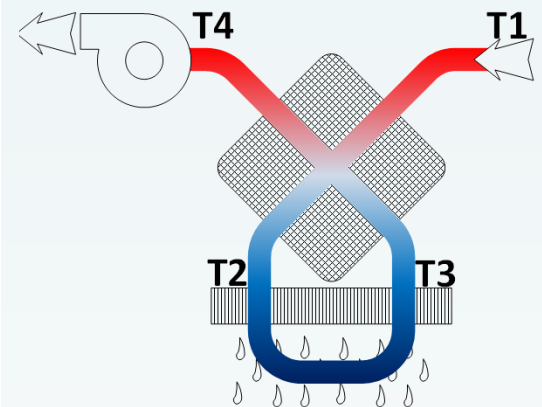
Semiconductor Manufacturing • Pharmaceuticals  
Health Care • Laboratories • Clean Rooms

### OUR CLIENTS INCLUDE



### 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.