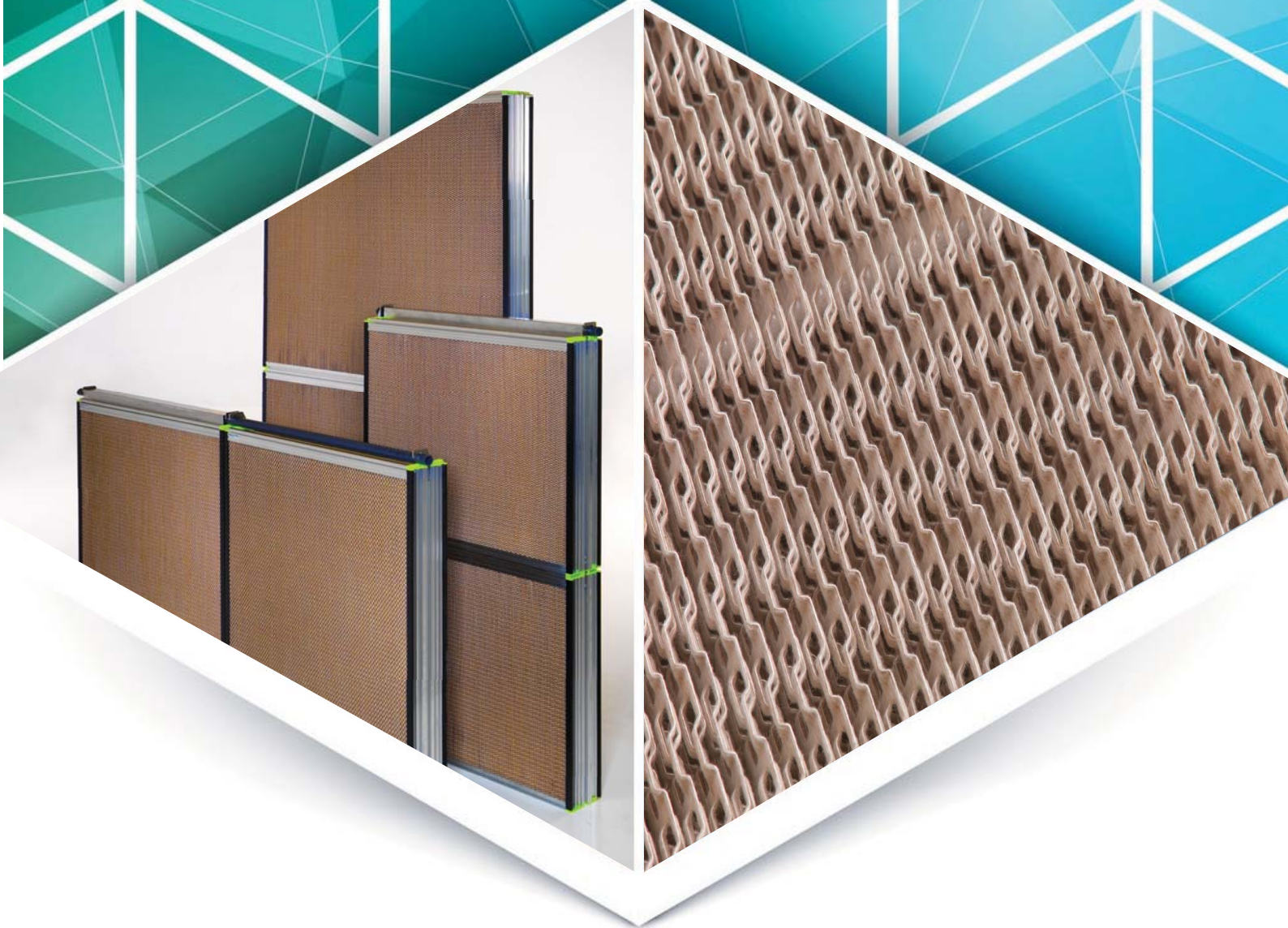


OXYVAP

DIRECT EVAPORATIVE MEDIA



OXYCOM
NATURAL AIR CONDITIONING

OXYVAP



- ✓ EFFICIENCY, LONGEVITY AND HYGIENE IN TOTAL HARMONY
- ✓ ANTIMICROBIAL AND SUPER-EFFICIENT EVAPORATIVE MEDIA
- ✓ EXCELLENT EFFICIENCY/PRESSURE DROP RATIO
- ✓ MODULAR, SELF-SUPPORTING DESIGN WITH INTEGRATED WATER DISTRIBUTION AND COLLECTION

INTRODUCTION

The OXYVAP evaporative media have been designed to provide adiabatic cooling and humidification for high performance applications such as evaporative coolers, air handling units and data center cooling. These applications require the highest possible performance with minimal maintenance and must comply with high hygiene standards.

The media are made of non-organic aluminum HydroChill fins with a anticorrosion coating. The HydroChill fin technology is a combination between a special fin structure and thin water-retaining coating, designed to keep pressure drop at minimum while delivering evaporation efficiencies that exceed 90%.

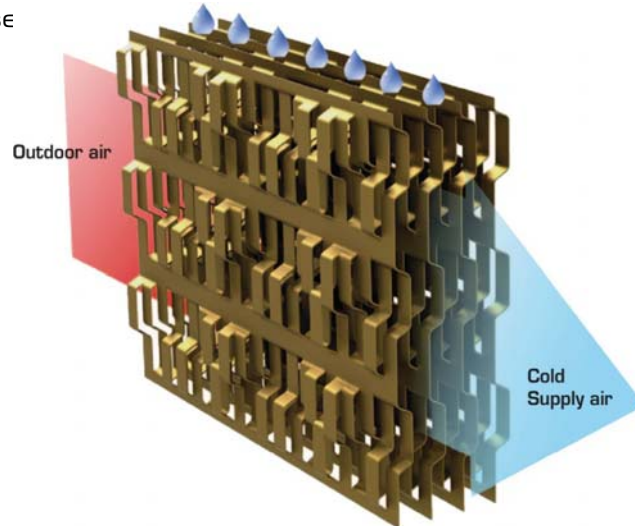
Its modular design offers customers the necessary flexibility to accommodate for different airflow capacities as required in their product portfolios while maintaining the individual component performance characteristics.

On top of this, the permanent antibacterial and antimicrobial coating reduces microbial activity with 99.99% during its entire lifetime.

COOLING PRINCIPLE

Direct evaporative cooling is a natural cooling method that cools and humidifies the airstream.

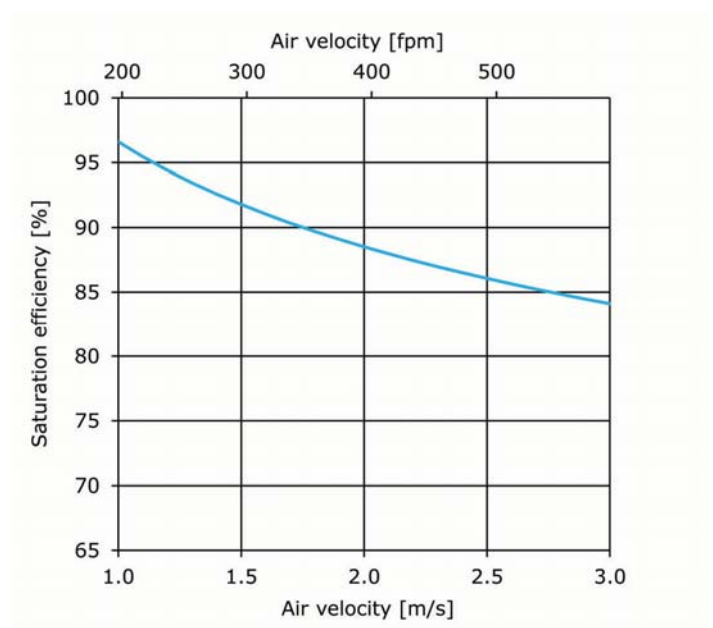
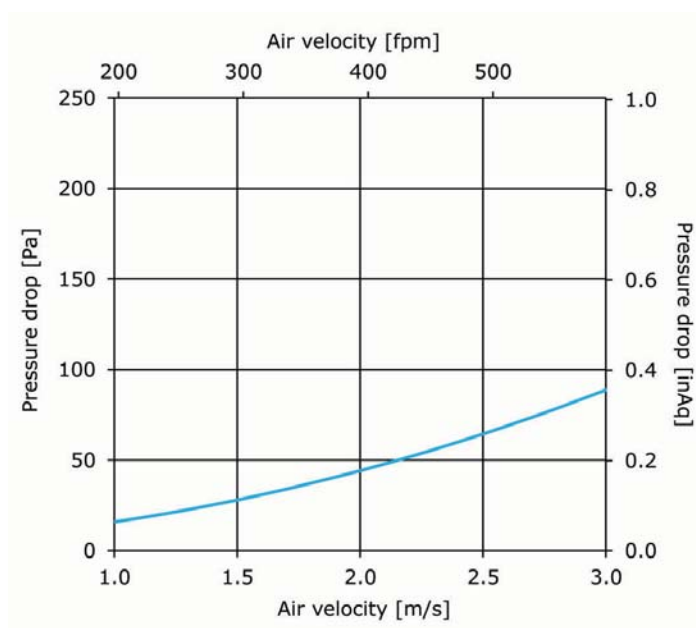
During the cooling season hot intake (outdoor) air flows through the soaked OXYVAP® media and is cooled down by the adiabatic evaporation process whereby the energy to evaporate the water comes from the air itself. The cool and saturated supply air approached the wet-bulb temperature and can be provided to the indoor environment or used for other purpose



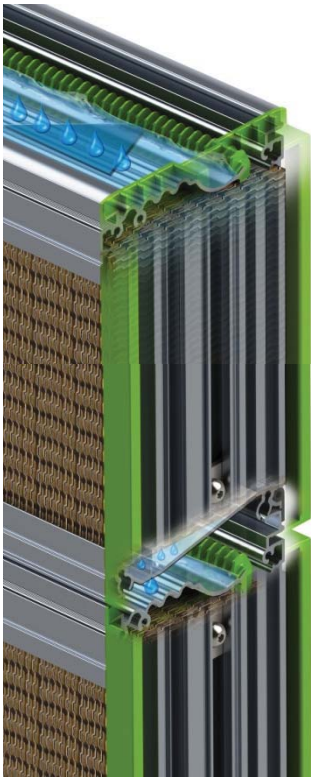
FEATURES

- ✓ Marine grade aluminum finned sheets with anticorrosion coating
- ✓ Hydrophilic and hygroscopic water-retaining coating
- ✓ Permanent antibacterial coating
- ✓ Fully modular and self-supporting frame
- ✓ Integrated non-organic water distribution and collection tray
- ✓ Self-cleaning properties due to vertical fin structure

PERFORMANCE



MODULAR SYSTEM



STANDARD SIZES

	OXYVAP Mod. 303/301/96	OXYVAP Mod. 303/601/96	OXYVAP Mod. 303/901/96	OXYVAP Mod. 505/601/96	OXYVAP Mod. 505/901/96	OXYVAP Mod. 601/601/96	OXYVAP Mod. 601/901/96	OXYVAP Mod. 892/601/96	OXYVAP Mod. 892/901/96	OXYVAP Mod. 892/937/96
Dimension A in mm (inch)	303 (11.9)	303 (11.9)	303 (11.9)	505 (19.9)	505 (19.9)	601 (23.7)	601 (23.7)	892 (35.1)	892 (35.1)	892 (35.1)
Dimension B in mm (inch)	301 (11.9)	601 (23.7)	901 (35.5)	601 (23.7)	901 (35.5)	601 (23.7)	901 (35.5)	601 (23.7)	901 (35.5)	937 (36.9)
Dimension C in mm (inch)	96 (3.8)	96 (3.8)	96 (3.8)	96 (3.8)	96 (3.8)	96 (3.8)	96 (3.8)	96 (3.8)	96 (3.8)	96 (3.8)
Total Surface in m ² (ft ²)	0.09 (0.98)	0.18 (1.96)	0.27 (2.94)	0.30 (3.27)	0.46 (4.90)	0.36 (3.89)	0.54 (5.83)	0.54 (5.77)	0.80 (8.65)	0.84 (9.00)
Eff. Surface in m ² (ft ²)	0.07 (0.72)	0.15 (1.61)	0.23 (2.50)	0.26 (2.79)	0.40 (4.33)	0.31 (3.35)	0.48 (5.20)	0.47 (5.05)	0.73 (7.84)	0.76 (8.17)
Weight - Dry in kg (lb)	1.5 (3.2)	2.9 (6.4)	3.4 (7.5)	4.1 (9.0)	5.7 (12.6)	4.7 (10.4)	6.6 (14.6)	6.5 (14.3)	9.2 (20.3)	9.4 (20.7)
Weight - Wet* in kg (lb)	2.2 (4.9)	4.4 (9.7)	5.7 (12.6)	6.7 (14.8)	9.7 (21.4)	8.3 (18.3)	12.0 (26.5)	11.2 (24.7)	16.5 (36.4)	17.0 (37.5)
Nominal Water Flow** in L/min (gpm)	2.4 (0.63)	2.4 (0.63)	2.4 (0.63)	4.0 (1.06)	4.0 (1.06)	4.7 (1.24)	4.7 (1.24)	7.0 (1.85)	7.0 (1.85)	6.7 (1.77)

* Wet weight is based on the effective surface of the pad: 10 liters / m² effective surface (0.245 gal/ft²)

** Water flow is based on the width of the pad: 7.85 liters / minute / meter width (471 L/h/m or 38 gal/h/ft)