

# MEMBRANE DRYERS

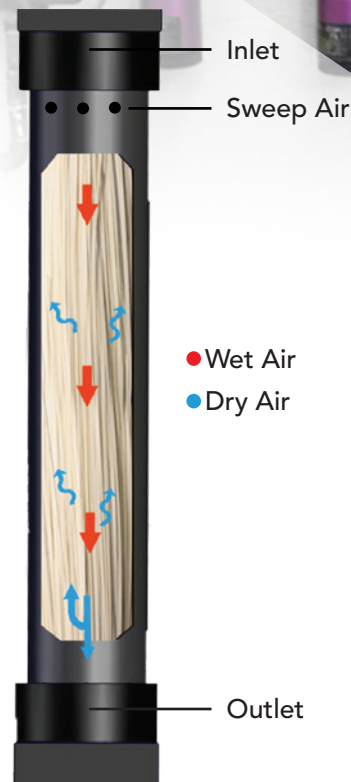
Tsunami Membrane Dryers provide an economical solution for supplying clean, dry air without the need for electricity. The molecular makeup of the hollow tubes allows water vapor to pass. The greater the pressure differential between the inlet and outlet pressures, the drier the air downstream.

- Low relative humidity - down to .01% RH
- Great dew point suppression - up to 140°F swing
- Easy, low-cost maintenance - \$160/year
- Includes Tsunami Water Separator and Oil Coalescing Filter pre-filtration with automatic drains

## HOW IT WORKS

### The Drying Process

- 1 The molecular makeup of the hollow tubes allows certain gases to pass through the membrane quicker than the desired gas.
- 2 As compressed air travels through the hollow tubes, water vapor passes through the membrane pores.
- 3 The water vapor collects within the housing until it is removed.
- 4 A fixed orifice at the bottom of the hollow tubes allows dry air to pass up the housing, around the hollow tubes, to sweep the water vapor out the sweep holes at the top of the housing.



## MEMBRANE DRYER

Includes:

- 2-Stage Pre-filtration
- Outlet Regulator

Max Pressure: 175 psi  
Max Temperature: 100°F



## PRECISION MEMBRANE DRYER

Includes:

- 3-Stage Pre-filtration
- Electronic Drain
- Outlet Regulator

Max Pressure: 175 psi  
Max Temperature: 100°F



PART NUMBER	MAX CFM	PORT SIZE	WEIGHT	DIMENSIONS (HWD)
21999-0889	15	¼" NPT	9 lbs	22" x 12" x 3½"
21999-0357	20	½" NPT	16½ lbs	23" x 20" x 4½"

PART NUMBER	MAX CFM	PORT SIZE	WEIGHT	DIMENSIONS (HWD)
21999-0957	15	¼" NPT	12 lbs	24½" x 18½" x 5½"
21999-0524	20	½" NPT	22 lbs	23" x 23½" x 5½"