

B R O C H U R E



# Desalination Plant Evaporators



Anping Web Wire Mesh Co.,Ltd.

# Demister Pads for Desalination Plant Evaporators



## Introduction

Filter elements and mist eliminator from WEB WIRE MESH are used in many different process stages in the desalination plant.

The mist eliminator in the desalination plant evaporators is very important for avoiding brine droplets entrained by the soaring vapor, thus ensure high vapor purity which is essential for the smooth process and the high purity water. Most of desalination plants have installed wire mesh mist eliminators in vapor bodies of larger evaporators.



## Why separate fresh water from seawater ?

Freshwater is becoming increasingly scarce, the conversion of seawater into fresh potable water and industrial water can help to solve the shortage of freshwater resource. Distillation is the earliest form of separation fresh water from seawater. In a distillation process, water is boiled and become steam, then cooled, and it is condensed back to water again. Thus distillation involves in adding heat energy to seawater in order to vaporize the water and then removing the heat energy from the steam to condense it into fresh water.

Idea for	Filter Elements	Features & Benefits
<ul style="list-style-type: none"><li>Evaporators</li></ul>	<ul style="list-style-type: none"><li>Demister Pads</li><li>Fiber Bed mist eliminator</li><li>Coalescers</li></ul>	<ul style="list-style-type: none"><li>Remove brine droplets</li><li>High vapor purity</li><li>Better separation efficiency</li><li>Protect downstream equipment</li><li>Reduce maintenance costs</li><li>Easy to install</li></ul>

# Technical Parameters

## When ordering, please specify:

### 1. Types

Demister pads, fiber bed mist eliminator, coalescers

### 2. Shape

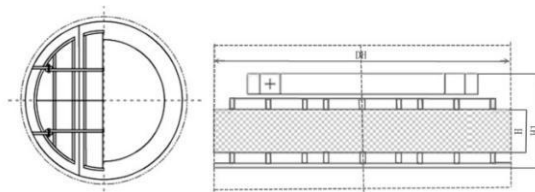
Round, rectangular, cylindrical

### 3. Size

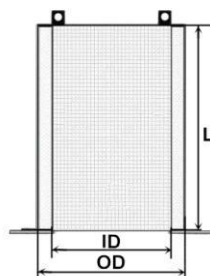
Diameter range from 300 mm to 5200mm

### 4. Material

Stainless steel 304, SS316L, monel, PP



Demister Pads



Fiber Bed Mist Eliminator

#### Headquarters

Web Wire Mesh Co.,Ltd.  
No.12 Weier Rd.  
EZD Industrial Park  
Hebei, China  
Tel: +86 0318 7568801  
Fax: +86 0318 7568802  
Website: www.webfiltergroup.com

#### Branch

Web Wire Mesh Co.,Ltd.-SJZ  
NO 2701 CYC  
Shijiazhuang City  
Hebei, China  
Tel: +86 0311 89255081  
E-mail: zhao@webwirecloth.com



**Anping Web Wire Mesh Co.,Ltd.**