

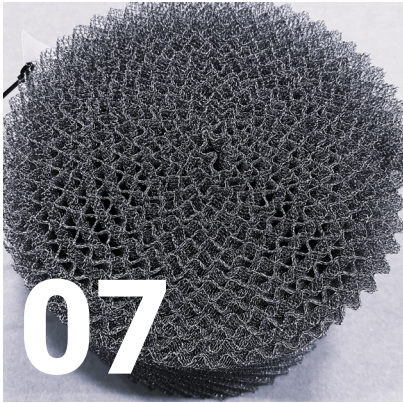
# **CWI TECH-MESH™**

## **WHITEPAPER**



**Tech-Mesh™ Unveiled:  
Central Wire's Trailblazing  
Knitted Wire Mesh Redefining  
Durability and Adaptability  
Across Key Industries**

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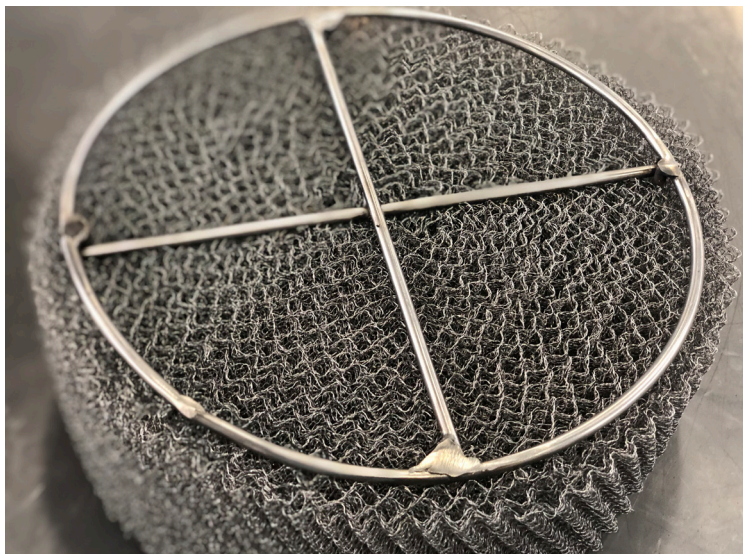
## Follow us on



# Abstract

Innovative solutions that redefine industry standards are not only desirable, but also necessary in a world of ongoing technological progress. We are pleased to introduce you to **CWI Tech-Mesh™**, an outstanding knitted wire mesh product from Central Wire that goes beyond the ordinary of durability, efficiency, and adaptability.

We recognize that the demands of the modern industry are as varied as they are complex. The need for reliable and adaptive solutions is crucial in the oil and gas industry, HVAC systems, hospitality, clean water treatment plants, waste management facilities, and many other critical industries.



Round demister pad.

This whitepaper provides a reference for one of our innovative manufacturing and product solutions. You will learn about the various benefits, applications, and technological intricacies of **CWI Tech-Mesh™**. With this whitepaper, we aim to give industry experts, decision-makers, and engineers a clear understanding of Tech-Mesh's™ potential and how it can revolutionize their projects, processes, and outcomes. You will gain a thorough understanding of the product and the unique manufacturing capabilities that are a large part of our ability to produce this product, to various customizations, for various industries.

We will look at the **"WHY factors"** that make this knitted wire mesh the right choice, such as its durability, lifespan, and high performance. We will describe the stringent manufacturing process that ensures the product's dependability, including details on annealing, knitting, crimping, and support frame construction.

As you learn about and discover Tech-Mesh™, you'll notice that it is more than just a product; it's an acknowledgement of our commitment to innovation, quality, and seamless integration within today's dynamic environments.

The sections that follow will go into the manufacturing process, Tech-Mesh's™ exceptional durability and lifespan, and the complex web of benefits that it knits across several industries.

# Introduction

In a world of growing technological advancement, new solutions that redefine industry norms have become not only desirable but also necessary. We are excited to announce **CWI Tech-Mesh™**, a fantastic, knitted wire mesh product that exceeds expectations in terms of durability, efficiency, and adaptability.

Central Wire acknowledges that modern industry demands are as broad as they are complex. Oil and gas, HVAC systems, hospitality, clean water treatment plants, and waste management facilities all encounter issues that require dependable and adaptive solutions. The effective separation of liquid droplets from vapor streams is a common difficulty throughout different industries. Failure to handle this issue may result in equipment damage, decreased operational efficiency, and environmental problems.

**It is critical to address the problem of separating liquid droplets from vapor streams efficiently for various reasons:**

- **Equipment Safety:** Failure to remove liquid droplets from vapor streams can cause corrosion and damage to downstream equipment, leading to costly repairs and downtime in industries such as oil and gas.
- **Process Efficiency:** Proper droplet separation ensures that downstream processes run smoothly, contributing to increased efficiency and production.
- **Environmental Compliance:** Environmental standards apply to many businesses. Failure to remove toxic droplets from vapor streams can result in dangerous compounds being released into the environment, resulting in compliance concerns and significant fines.
- **Health and Safety:** In businesses such as hospitality and clean water treatment, it is critical to ensure that the air and water are free of toxins to maintain health and safety standards.



Large, round demister pad.

Central Wire's innovative knitted wire mesh solution, Tech-Mesh™, was created specifically to address these issues. It performs effectively in demisting applications, efficiently removing droplets from vapor streams. Tech-Mesh™ provides a comprehensive solution to the separation of liquid droplets from vapor streams in a variety of industries due to its remarkable resilience, longevity, and high performance.

We will go into the technical specifics, benefits, and real-world applications of **CWI Tech-Mesh™** in the parts that follow. We will demonstrate why it is the top choice for industries looking for trustworthy and efficient mist elimination solutions.

# Problem Statement

The challenge of effectively separating liquid droplets from vapor streams in multiple industrial uses. The coexistence of liquid and vapor phases is common in many industries, and failing to manage this issue appropriately can lead to difficulties.

Consider an oil and gas processing plant with a separation tank where moist gas rises. This wet gas carries microscopic liquid droplets with it as it enters the demisting system, which is commonly made of knitted wire mesh. These droplets, if not eliminated efficiently, can have negative implications. They have the potential to damage equipment, disrupt downstream processes, degrade system efficiency, and potentially pose environmental risks.

Similarly, water droplets must be adequately separated from the air in HVAC systems used for indoor air quality control, cooling towers, and air handling units (AHUs) to maintain a clean and healthy environment. Failure to do so can lead to moisture-related difficulties such as mold growth and poor air quality.



Oil refinery.



Industrial kitchen.

The removal of grease, oil, and water droplets from exhaust air is critical in the hospitality business, notably in commercial kitchens and swimming pool ventilation systems, to reduce fire hazards, maintain hygiene standards, and assure the safety of customers and staff.

The challenge in clean water treatment plants is removing suspended particles and particulates from treated water to maintain compliance with regulatory criteria and the delivery of safe and clean water to communities.

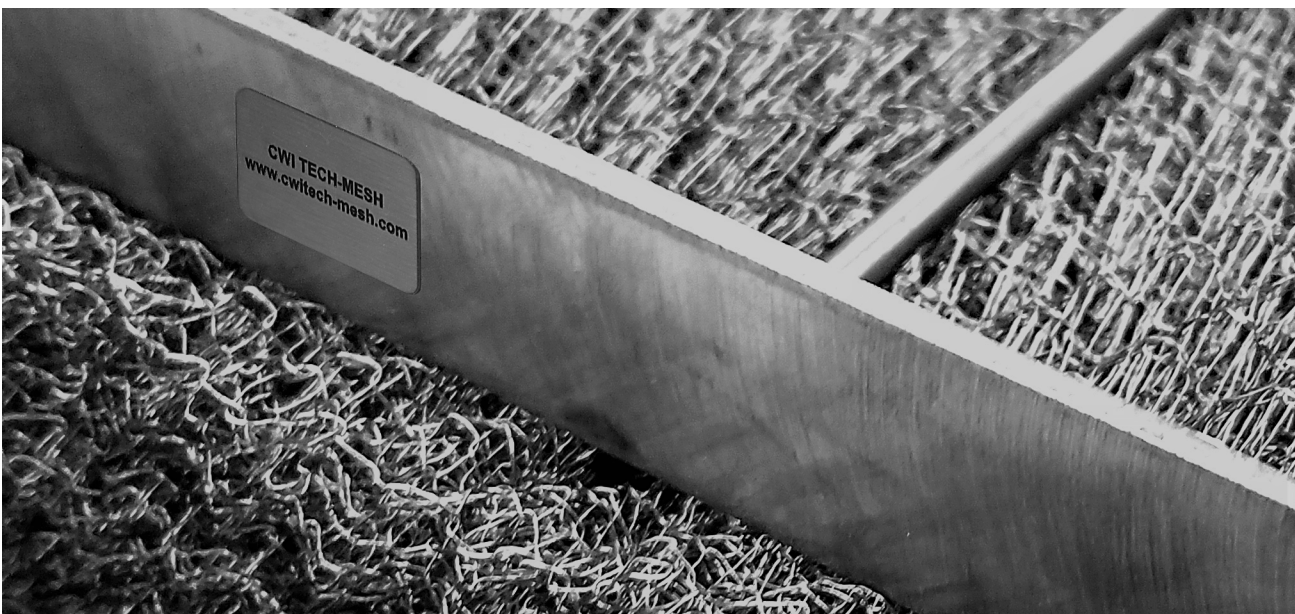
# Solution Overview

One key solution to effectively separate liquid droplets and vapor streams is the introduction of Demister pads, also known as mist eliminators, are specialized moisture filters used in industrial applications. They are commonly used to eliminate liquid droplets from vapor streams, protecting other pieces of downstream equipment and are normally installed beneath tank outputs. Depending on the equipment layout, they can be installed vertically or horizontally.

There are a variety of alloys that can be used when manufacturing the knitted wire mesh used in demister pads. Some of these alloys include stainless steel, specialty nickel, and copper. The choice of alloy largely depends on the environment and application the demister pad will be used in. For example, at a desalination plant where saltwater separation takes place, a Monel® alloy knitted wire mesh may be preferred. Whereas in an HVAC application, copper alloys may be chosen because of their known antimicrobial properties, making them ideal for applications that require exceptional cleanliness.

Demister pads are most commonly found in the oil and gas industry, prevalent in applications like vapor-liquid separators and distillation towers. In these applications, wet gas rises through the separation tank. Once the wet gas starts passing through the demister pad, the pad entraps even the most microscopic liquid droplets, allowing only the gas to fully pass through. This separation facilitates the movement of a dry gas stream to subsequent downstream equipment such as dry gas.

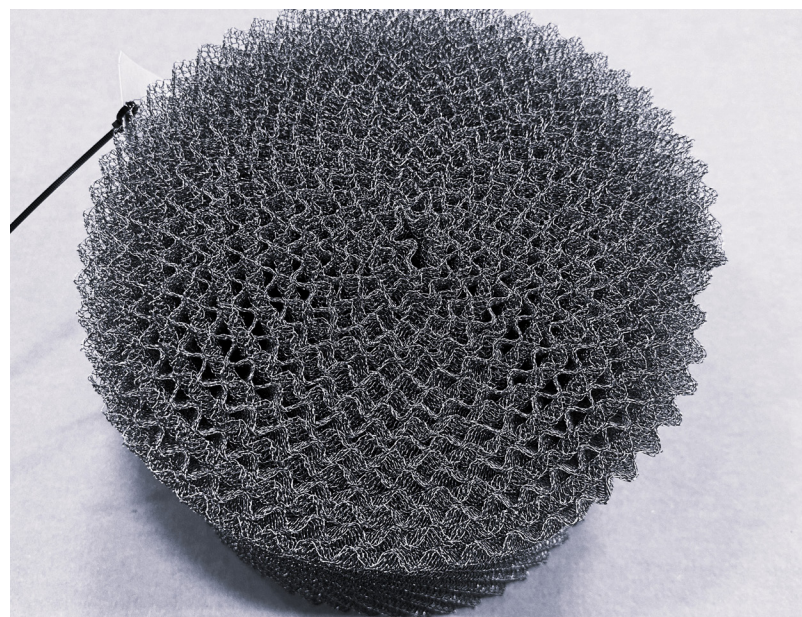
The wire used to make knitted wire mesh is normally 0.011" (0.28 mm) or 0.006" (0.15 mm) in diameter. The demister pads are tailored to each customer's needs and equipment geometry. They are sized and manufactured for specific process conditions, and their densities typically range from 5.0 to 12.0 lb./ft<sup>3</sup>.



CWI knitted wire mesh and support frame.

## What are they made from?

Demister pads consist of knitted wire mesh, which is made up of individual wires that have been knitted together. The wire mesh is produced utilizing cutting-edge technology and strict quality control procedures. Demister pads are made of a knitted wire mesh material that is chosen based on the application's specific requirements. Due to their outstanding corrosion resistance and mechanical strength, stainless steels such as AISI 304 or AISI 316 are the most used materials for creating demister pads. Other materials, such as Monel®, polypropylene, or PTFE (Teflon™), may be utilized in specialized applications requiring chemical resistance or non-stick qualities.



Knitted wire mesh.

## How are they manufactured?

Individual wires are knitted together to generate the necessary mesh density, mesh width, and product geometry throughout the manufacturing process. They are made in multiple phases:

First, multiple wires are fed to a knitting head with needles. We have different head sizes to produce different mesh widths. The number of needles will increase with the head size to keep the same stitch width. The product from this operation are rolls of flat knitted mesh.

After the wire mesh is knitted, the next step is to crimp or pleat the mesh. The crimped mesh, also called bulk mesh, is crimped carefully to create a uniform pattern to increase volume and improve mist removal efficiency. The bulk mesh is then fashioned into a frame or support structure. This final assembly creates the demister pad, made to the customer's final specifications.

To ensure optimal performance, demister pads are regularly subjected to rigorous quality inspections, which include dimensions measurements, visual inspection, and, in some cases, testing under simulated process conditions. This ensures that the demister pads comply with the specifications and effectively separate liquid droplets from gas streams.

# Benefits and Features

CWI's Tech-Mesh™, a cutting-edge wire product, offers a wide range of applications in a variety of industries, bringing innovative solutions for significant challenges. Its unique design and characteristics make it suitable for a variety of applications, giving efficient and dependable performance. Tech-Mesh™ has several key applications and functions:

- **Demisting and Droplet Removal:**  
Tech-Mesh™ excels in demisting applications, successfully eliminating droplets from vapor streams. This feature is critical in a variety of industries where separating liquid droplets from gases or vapors is important for smooth and efficient operations.
- **Particle Filtration:**  
Tech-Mesh™ functions as a particle filter, trapping and eliminating contaminants from gases or fluids. As a result, it is extremely useful in maintaining the quality and purity of air, water, and other substances in industrial processes and environmental control systems.
- **Mist Eliminators:**  
Tech-Mesh™ is used as a mist eliminator in industries such as oil and gas, chemical, and petrochemical, preventing the discharge of dangerous vapors into the environment. Because of its outstanding mist catching capabilities, it is a key component in assuring safe and ecologically compatible operations.
- **Noise Reduction:**  
Tech-Mesh™ can be used as an effective noise-reducing material. Its unique structure and qualities allow it to absorb sound waves, lowering noise levels in a variety of applications such as HVAC systems, industrial facilities, and transportation.
- **Vibration Dampening:**  
In machinery and equipment, Tech-Mesh™ acts as a vibration dampener, decreasing undesirable vibrations and improving the stability and reliability of critical systems.

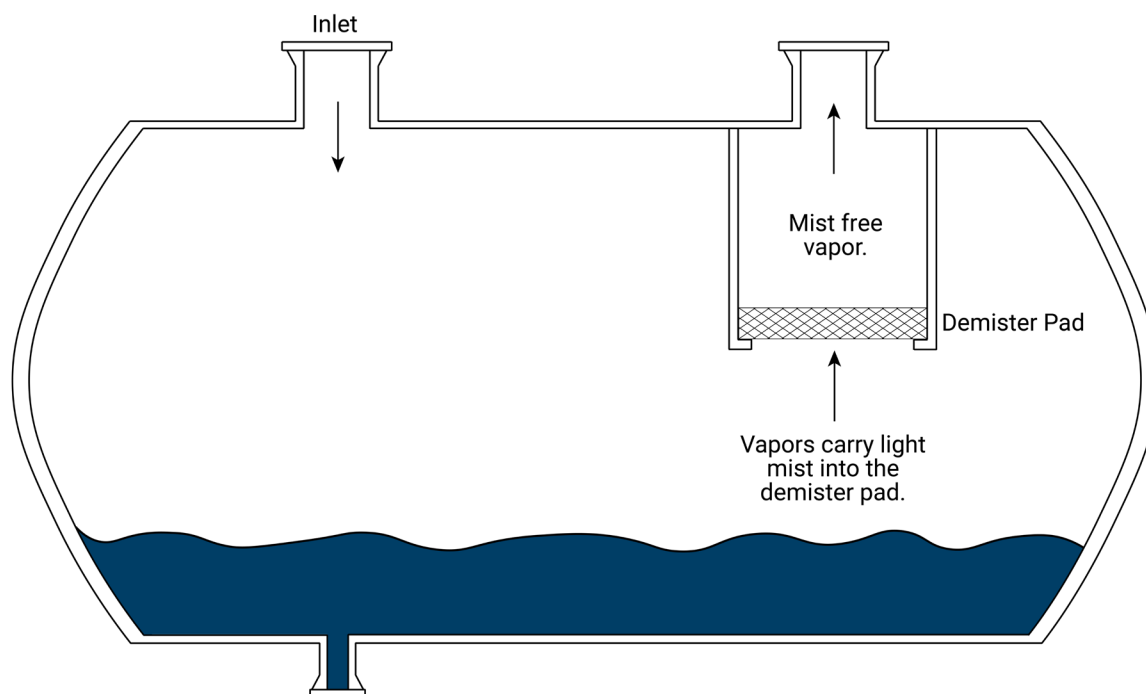
## How Tech-Mesh™ is used

Tech-Mesh™ is ideal for eliminating droplets from vapor streams. The wire arrangement efficiently collects and removes the liquid droplets present in the gas as it rises through the mesh structure. These droplets cluster on the wire surface and eventually fall to the bottom of the tank due to gravity, leaving the vapor free of liquid contaminants.

This demisting procedure is critical in several industries because it guarantees the effectiveness of downstream processes and protects downstream equipment. Tech-Mesh™, for example, is critical in the separation of oil and water droplets from vapor streams in oil refineries and chemical plants, reducing equipment damage, assuring product quality, and complying with environmental standards.



## Horizontal Vessel



How a demister pad works in a horizontal vessel.

### Why our product?

**Longevity and durability:** Stainless steel, Monel®, and other corrosion-resistant alloys are used to manufacture **CWI Tech-Mesh™**. This provides exceptional resistance and lifespan, even in the harshest environments. Our mesh's ability to endure corrosion, mechanical stress, and other situations guarantees its performance is maintained over time.

**Optimal Performance:** Our Tech-Mesh™ products are meticulously constructed and manufactured to provide optimum performance for their intended applications. Our knitted mesh solutions provide effective separation, filtration, and vapor removal, improving system performance.

**Proven History:** Our Tech-Mesh™ solutions have been successfully deployed in diverse industries and applications, gaining a reputation for dependability and efficiency. Central Wire has a record of manufacturing high-quality products that match or exceed our clients' expectations.

### Customization capabilities

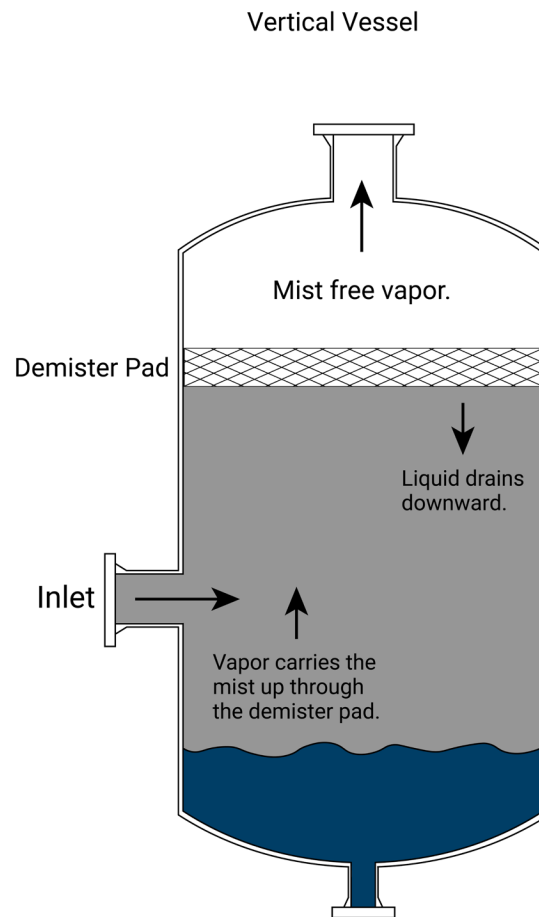
Central Wire understands that every industry and application has unique requirements. As a result, we offer a wide range of customization choices for our Tech-Mesh™ products. Our in-house technical group, which includes metallurgists and technicians, may collaborate with you to develop customized solutions that properly fit your project specifications and performance requirements.

We understand that the complexities of each industry and the peculiarities of each application require solutions that are as unique as they are effective. This is where our remarkable customization capabilities for Tech-Mesh™ come into play, opening a world of possibilities.

From alloy composition and mesh density to measurements and finishing touches, we can customize every aspect of Tech-Mesh™. Whether you need a specific tensile strength, improved corrosion resistance, or a one-of-a-kind mesh pattern, our experts will collaborate with you to create a solution that meets your expectations.

### Why approve our product(s) for your manufacturers list?

- Various stainless steel grades and nickel-based alloys available for use, depending on industry requirements.
- One stop-shop for manufacturing pads and frames (reduced time lead required).
- Unmatched wire diameter capabilities.
- Tech-Mesh™ follows strict internal manufacturing regulations and is subjected to rigorous testing.
- Domestically manufactured and supplied – North American Made.
- Flexibility allowing it to excel across a wide range of applications and industries.



How a demister pad works in a vertical vessel.

# Technical Details

Central Wire knitted wire mesh is manufactured in different stages that guarantee the production of high-quality wires. Here is a thorough explanation of the procedure:

- **Rod Processing:**

The manufacturing process begins with raw materials, typically wire rods. Incoming raw material (wire rod) is typically hot rolled, solution annealed, and acid pickled. The wire rod is then pre-coated in preparation for the breakdown stage.

- **Rod Breakdown:**

During the rod breakdown stage, the larger diameter wire mill rod coils are reduced to sizes suitable for further processing on equipment that produces small diameter output. Central Wire stocks a variety of redraw sizes that can be processed to the finished wire diameter.

- **Drawing Process:**

- \* **Dry Drawing:** In the dry drawing process the wire is coated in a dry lubricant to get the desired diameter and tensile strength. This method is most frequently used for bigger diameters (above .040") where surface area reductions are low and heat dissipation is not a primary concern. The surface of the wire takes on a matte appearance as a result, which may be preferred for some aesthetic reasons.

- \* **Wet Drawing:** The wire is processed in a liquid lubricant, such as water or petroleum-based grease. The bright, smooth surface quality produced by this technique reduces concerns about heat and die penetration, or heat damage. For completed diameters under .040", wet drawing is frequently employed.



Dry wire drawing.



Wet wire drawing.



Fine wire annealing furnace.

- **Annealing Process:**

The annealing process is used after the wire has been drawn to the desired diameter. This critical phase involves submitting the wire to regulated heating and cooling, which improves its mechanical properties and ensures maximum performance.

Work hardening happens as the wire is drawn to the desired diameter, increasing its strength. But the wire must be annealed to further improve its qualities. As the wire is cold-worked the mechanical properties of tensile and yield strength increase, while elongation and reduction of area decrease. To reduce any internal stresses that may have built up during the drawing process, this heat operation “softens” the wire. The wire gains higher ductility and flexibility as a result, which is essential for its performance under the many difficult environments or mechanical pressures found in its intended application.

To achieve the required mechanical properties and maintain consistency throughout all phases of wire manufacturing, strict monitoring and control is necessary throughout the annealing process.

Strong heat gradually causes the wire to change into a strong, robust, and durable product, preserving its integrity and enabling it to perform at its best. This transformation allows the wire to efficiently perform its intended purpose while maintaining the high standards required for a wide range of industrial, engineering, and practical applications.

- **Knitting Process:**

Each individual wire is knitted together in a precise and complex design during the knitting process. This procedure requires the use of specialized technology to meticulously connect the wires, assuring uniformity and accuracy in the mesh pattern.

The knitting process has a significant impact on the ultimate properties of the Tech-Mesh™, such as rigidity, flexibility, and strength. Different knitting patterns, such as openness or tightness in the mesh, can be used to satisfy the needs of specific applications.

- **Crimping Process:**

Crimping is used to improve structural integrity and life expectancy in some Tech-Mesh™ wire variations. During this technique, the woven wires are subjected to localized compression or distortion, resulting in mechanical interlocks between adjacent wires. Crimping fortifies the mesh structure, making it more resistant to deformation or damage.

Crimping is especially beneficial for Tech-Mesh™ wires that will be subjected to external forces or mechanical stress, such as safety barriers or protective enclosures. Crimping is meticulously managed to ensure consistent and dependable results, contributing to the overall quality and performance of Tech-Mesh™ wire.

- **Support Frame Construction and Attachment:**

A support frame is required in some Tech-Mesh™ wire applications to maintain the mesh's correct shape, structure, and stability. The support frame is constructed from robust materials such as metal or polymer to provide a frame that compliments the Tech-Mesh™ and provides structural support.

During the attachment process, the Tech-Mesh™ is securely attached to the support frame. Various methods such as welding, clamping, or mechanical fastening may be utilized to produce a strong and long-lasting connection between the Tech-Mesh™ and the support frame.



Wire drawing dies.

Central Wire manufactures Tech-Mesh™, guaranteeing that each wire fulfills the highest quality standards and meets the specific requirements of various applications. Our commitment to precision, quality, and metallurgical knowledge enables us to supply trustworthy and innovative Tech-Mesh™ solutions to a wide range of industries.

# Use Cases

## Oil and Gas:

**Gas Sweetening Units:** In natural gas processing plants, Tech-Mesh™ is used to remove acidic impurities from the gas stream, such as hydrogen sulfide and carbon dioxide. The mesh functions as a demister, catching droplets of liquid contaminants and preventing the corrosion of downstream equipment and pipes.

**Compressor Stations:** Tech-Mesh™ acts as an effective demister in compressor stations, reducing the residual amount of lubricating oil droplets into the gas stream. This ensures gas quality and extends the life of compressor components.

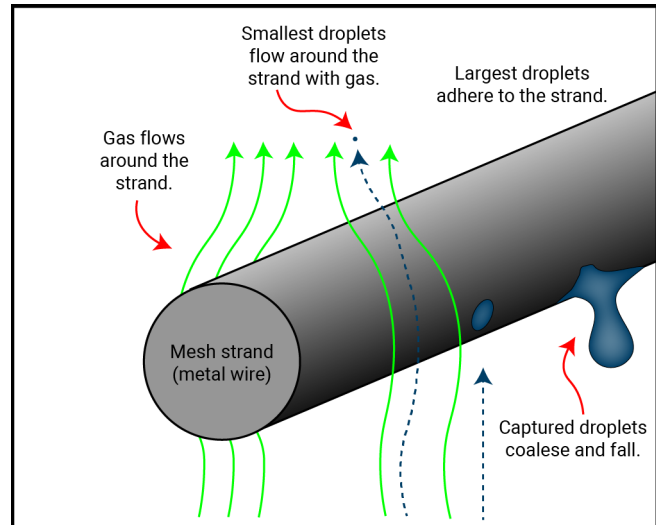
## HVAC:

**Cooling Towers:** Tech-Mesh™ is used in cooling towers to separate water droplets from the air, boosting tower performance and avoiding water loss due to spill.

**Air Handling Units (AHUs):** Tech-Mesh™ acts as a droplet eliminator in AHUs, guaranteeing that the conditioned air delivered to buildings is free of liquid pollutants, improving interior air quality.



Air handling units.



Droplet capture on a knitted wire mesh demister pad.

## Hospitality:

**Kitchen Systems:** Tech-Mesh™ is used in commercial kitchens to remove grease and oil droplets from exhaust air and acts as a filtering agent in grease traps. This prevents grease and oil droplets from collecting on neighboring surfaces and decreases fire hazards. In the case of a grease trap Tech-Mesh™ is used to separate food and solid particles from excess grease.

**Swimming Pool Ventilation:** Tech-Mesh™ acts as a mist eliminator in swimming pool ventilation systems, eliminating water droplets from the air and reducing moisture damage to building interiors.

## Clean Water:

**Water Treatment Plants:** Tech-Mesh™ is used to remove suspended solids and particulates from treated water, maintaining its quality and regulatory compliance.

**Desalination Facilities:** Tech-Mesh™ is used as a droplet eliminator in desalination plants, reducing the carryover of brine droplets from the desalination process and preserving the cleanliness of the fresh water produced.

# Product Integrity

Product integrity depends on the application, cleaner environments = less stress on the mesh.

Maintaining demister pads is vital for ensuring the equipment's lifespan and optimal operation. Regular maintenance extends the life of the demister pad and avoids potential problems such as reduced separation efficiency and plugging.

Plugging, also known as fouling, happens when solids build up on the demister pad, causing excessive pressure to drop and compromising performance. The risk of plugging can be decreased by performing routine cleaning and maintenance.

Depending on the application's strictness and needs, various cleaning processes can be used to maintain the demister pad. These methods include spraying a cleaning solution on the demister pad, boiling, soaking, or passing steam through the pad. Cleaning liquids or boiling the demister pad could be enough in less severe situations with no considerable solid accumulation. More severe plugging conditions, on the other



Oil & gas refinery.

hand, might require more aggressive cleaning approaches. Adapting the cleaning process to the unique application guarantees that the demister pad continues to function properly.

It may be essential to remove the demister pad from the device for complete cleaning. Keeping a spare demister pad on hand ensures that the operation continues while the plugged pad is cleaned. In some circumstances, significant plugging may make replacing the demister pad entirely more cost effective.

Monitoring pressure drops across the demister pad is an important performance measure. Increased pressure drop may suggest clogging, whereas decreasing pressure drop may indicate decreased mesh density or pad deterioration.

Regular cleaning inspections should involve looking for signs of corrosion and any reduction in wire diameter that could influence the pad's performance. When the wire mass is reduced by 20%, it is advised that the demister pad be replaced to maintain maximum efficiency.

**CWI Tech-Mesh™** demister pads can be made of high-quality stainless-steel, nickel, or red metal alloys, and have desirable mechanical properties, making them highly resistant to impact and damage attempts. Their toughness provides endurance and a longer lifespan even in severe environments.

The estimated lifespan of Tech-Mesh™ demister pads is determined by the type of application corrosivity type, and process conditions. Tech-Mesh™, might survive over a century in low to moderate corrosivity situations, but only a few years in extreme ones.

## Examples of metals per usage scenario:

### Oil & Gas:

- **Stainless Steel:** Stainless steel is commonly used in oil and gas applications because of its outstanding corrosion resistance and high mechanical strength. It has a lengthy lifespan and is strong, making it suitable for use in harsh and corrosive environments.
- **Monel®:** Monel® is a nickel-copper alloy that is recognized for its extraordinary corrosion resistance, especially in acidic environments. It is frequently utilized in oil and gas manufacturing facilities where seawater and harsh chemicals are found.

### HVAC:

- **Copper:** When it comes to HVAC applications, copper offers unique properties making it the material of choice within HVAC systems. Copper, in its various alloys such as C101, C102, and C110 shines and when paired with Tech-Mesh™, it delivers a combination of durability, corrosion resistance, and efficiency, ensuring optimal performance and longevity in HVAC applications.
- **Aluminum:** A lightweight choice with strong corrosion resistance that is appropriate in less demanding environments.

### Hospitality:

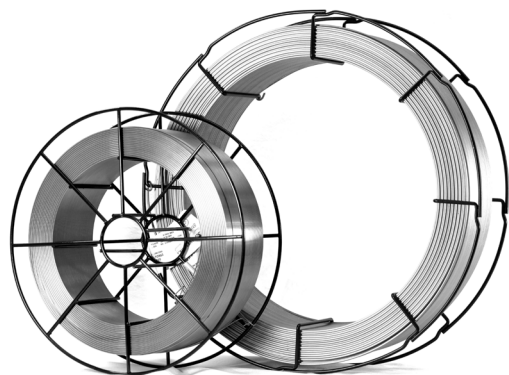
- **Stainless Steel:** In industrial kitchens and food processing plants, food-grade stainless steel is commonly used. It is known for being long-lasting, ensuring an extended lifespan while it adheres to rigorous health and safety regulations.

### Clean Water:

- **Non-metallic:** In clean water treatment applications where humidity and exposure to chemicals are primary concerns, non-metallic alternatives take center stage. Specifically, non-metallic solutions. These materials offer excellent corrosion resistance and are custom-made for specific clean water treatment applications.



Distilling vessel.



Stainless Steel welding wire spools.

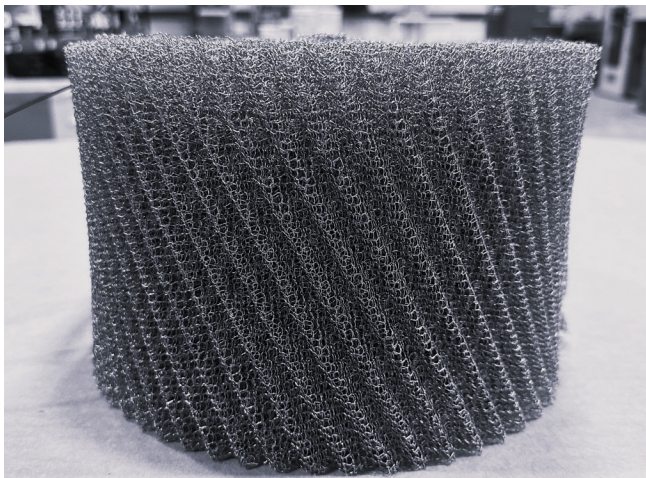


# Comparison with Alternatives

How does Tech-Mesh™ stand out from competitors or alternative solutions?

**CWI Tech-Mesh™** distinguishes itself from competitors and alternative solutions in several key aspects, making it the preferred choice for a wide range of industries and applications:

- Tech-Mesh™ has a significant advantage in that it manufactures many of the components used in our own facilities.
- Vertical integration enables quality control and a continuous supply chain, resulting in more consistent and dependable products.
- Other competitors may rely on third-party suppliers for these crucial components, introducing variability and quality difficulties.
- Strong technical experience in wire manufacture and knitted mesh applications.
- This knowledge enables us to provide significant insights and assistance to customers. We can troubleshoot challenges, address the technical aspects of new projects, provide product and maintenance advice, and engage in informative discussions about how Tech-Mesh™ connects with various pieces of equipment.
- Tech-Mesh™ offers the flexibility to customize to your specific requirements. Our in-house technical team, comprising metallurgists and technologists, collaborates closely with customers to create tailored solutions. Whether it involves modifying alloy selection, adjusting mesh density, fine-tuning measurements, or addressing other unique characteristics, this customization capability provides us with a significant competitive advantage.



Central Wire knitted wire mesh.



Fine wire spool.

# Conclusion

**CWI Tech-Mesh™** is a superb knitted wire mesh solution, providing plenty of convincing reasons to select and approve our products. The “**WHY factors**” that drive the decision to use Tech-Mesh™ are its remarkable durability, lifespan, and optimal performance. Our mesh products have unmatched resistance to corrosion, mechanical stress, and extreme weather conditions because they are constructed with high-quality materials and precision. This dependability and efficiency is enhanced by their longevity and performance, which maintains their integrity even after extended use.

The advantages of Tech-Mesh™ go far beyond its toughness. With a wide range of customization options, our mesh solutions can be adapted to match the unique needs of diverse projects and industries. Central Wire’s in-house technical staff, which includes qualified metallurgists and technicians, is always available to assist with application recommendations, process improvement, and root cause analysis. This specialist metallurgical expertise, together with our dedication to client satisfaction, guarantees that our products deliver unrivaled quality and functionality, efficiently meeting the needs of varied applications.

Tech-Mesh’s™ broad application makes it an attractive option in a variety of industries. It efficiently separates droplets from vapor in the oil and gas industry, improving process efficiency. It enhances air filtration and moisture removal in HVAC applications, creating a clean and comfortable environment. In the hotel industry, it aids in the preservation of clean water, which is essential for providing a first-rate guest experience. Tech-Mesh™ excels at removing pollutants in clean water treatment plants, providing a dependable option for water purification.

In conclusion, **CWI Tech-Mesh™** is a dependable, long-lasting, and high-performing knitted wire mesh solution that caters to a wide range of industries by offering customized alternatives backed by technical experience and manufacturing excellence. Choosing our products ensures not just quality performance but also a collaboration dedicated to success, integrity, and innovation.



An extra large outer diameter demister pad.



# CWI TECH-MESH™

## WHITEPAPER

### A brief overview of our company, its history, mission, and vision.

Central Wire, Inc. has 13 locations in 3 countries, 750+ employees and over 60 years of excellence, CWI is a market leader having the widest range of high-performance specialty alloys in nickel, stainless and red metal. We manufacture ultra-fine wire, shaped profile wire, wire rope strands and more. We have the widest range of finishes and packaging available on the market today.

### Our Commitment to Excellence

**Our Purpose:** To adapt and innovate, offering reliable wire and cable solutions that serve our customers for generations. With a solid commitment to manufacturing superior products, we enable customers to confidently meet their changing needs over time, fostering their path to success.

**Our Vision:** To become the global leader in wire and cable solutions, empowering our customers by unlocking infinite possibilities for their advancement and success.

**Our Mission:** We are dedicated to delivering adaptable, premium quality products through innovative and eco-friendly manufacturing practices. We believe in the power of investing in our people and expanding into new markets, all with the aim of achieving operational excellence and making a meaningful impact on our customers and the industries we serve.

**Our Position:** CWI Tech-Mesh™ positions itself as a world-class provider of reliable knitted wire mesh, designed for customers seeking dependable, superior quality products. Our commitment to customer satisfaction sets us apart in the market.

### Contact Information

For more information about this whitepaper, or to speak with our sales department please contact us.

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