

## 16 JACKETED HEATING & COOLING

Controlled Thermal Solutions  
for Heating and Cooling Applications

Dhara Jacketed Heating & Cooling Cylinders are designed for processes requiring accurate temperature regulation, uniform heat distribution, and controlled cooling performance. The jacketed construction allows efficient circulation of heating or cooling media, ensuring stable surface temperatures and consistent process conditions.

Manufactured with robust inner and outer shell configurations, these cylinders provide safe pressure operation, efficient thermal exchange, and reliable long-term performance, making them suitable for continuous industrial environments.

### Engineering Features

- » Jacketed construction for uniform heating or cooling
- » Optimized internal flow design for efficient thermal transfer
- » Stable pressure performance during continuous operation
- » Polished or Teflon-coated surfaces for easy maintenance
- » Compatible with steam, hot water, or cooling media
- » Designed for seamless integration into continuous processing lines

## Technical Specifications — Jacketed Heating / Cooling Cylinders

Parameter	Specification
Cylinder Diameter Range	400 mm – 800 mm
Working Width Range	1000 mm – 4000 mm
Hydraulic Test Pressure	3 Bar – 5 Bar
Operating Pressure	1 Bar – 3 Bar
Inner Shell Thickness	5 mm – 12 mm (SS / MS)
Outer Shell Thickness	2 mm – 4 mm
Surface Finish	Polished or Teflon Coated

## Typical Applications

- » Cooling zones in drying ranges
- » Heat stabilization and conditioning sections
- » Post-drying temperature control
- » Technical textile and industrial fabric processing

## Quality Assurance

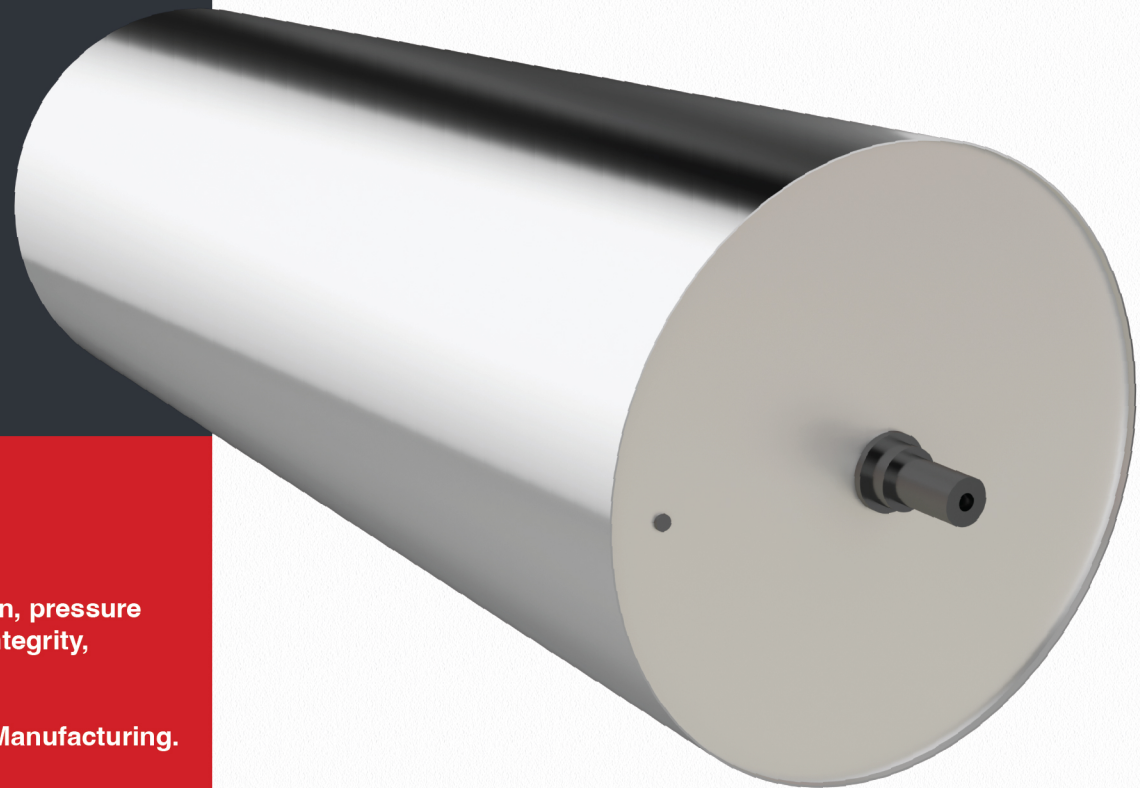
Each Dhara Drying Cylinder undergoes controlled fabrication, pressure testing, and dimensional inspection to ensure mechanical integrity, operational safety, and long-term reliability.

Dhara — Precision-Engineered Cylinders for Global Textile Manufacturing.

## Quality Assurance


Dhara Jacketed Cylinders are manufactured using certified raw materials, qualified welding procedures, and controlled inspection processes. Each unit is pressure tested and verified to ensure safe operation, dimensional accuracy, and process reliability.


Dhara — Advanced Thermal Engineering for Precision Textile Processing.






## CONTACT

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