



8 PADDER UNIT

Intelligent Padding & Dewatering System

The Dhara Padder Unit is an advanced padding solution designed for precise chemical application, controlled dewatering, and consistent finishing quality. Built with heavy-duty mechanical construction and intelligent process control, it ensures uniform liquor pick-up, stable fabric handling, and repeatable results across a wide range of textile applications.

Now enhanced with an integrated high-efficiency chemical filtration system, the Dhara Padder Unit delivers cleaner operation, reduced chemical wastage, and improved process stability, making it ideal for modern, export-oriented textile finishing plants.

Advanced Chemical Filtration System

- » Closed-type stainless steel body construction for durability and hygiene
- » Maintains chemical purity and bath consistency
- » Reduces re-dosing and chemical wastage
- » Extends bath life and lowers operating costs
- » Ensures stable processing temperatures
- » Improves fabric-to-fabric consistency

Padder Configurations

Dhara Two Bowl Padder

Compact and efficient design for standard finishing operations. Ideal for light to medium squeezing applications, offering precise chemical application with gentle fabric handling.

Dhara Three Bowl Padder

Designed for high-throughput and multi-stage finishing lines. Provides enhanced pressure uniformity and improved liquor penetration for demanding processes.

Squeezing Configuration Comparison LOW vs HIGH SQUEEZING OPTIONS

Model	Model	Model
Fabric Type	Delicate / Lightweight	Medium to Heavy Fabrics
Mechanical Stress	Very Low	High & Controlled
Chemical Application	Precision pick-up	Maximum dewatering
Squeezing System	Standard nip control	Swimming rolls + nip control
Drying Load	Moderate	Significantly reduced
Energy Efficiency	Standard	High
Typical Use	Fine knits, sensitive fabrics	High-speed finishing lines

Technical Specifications

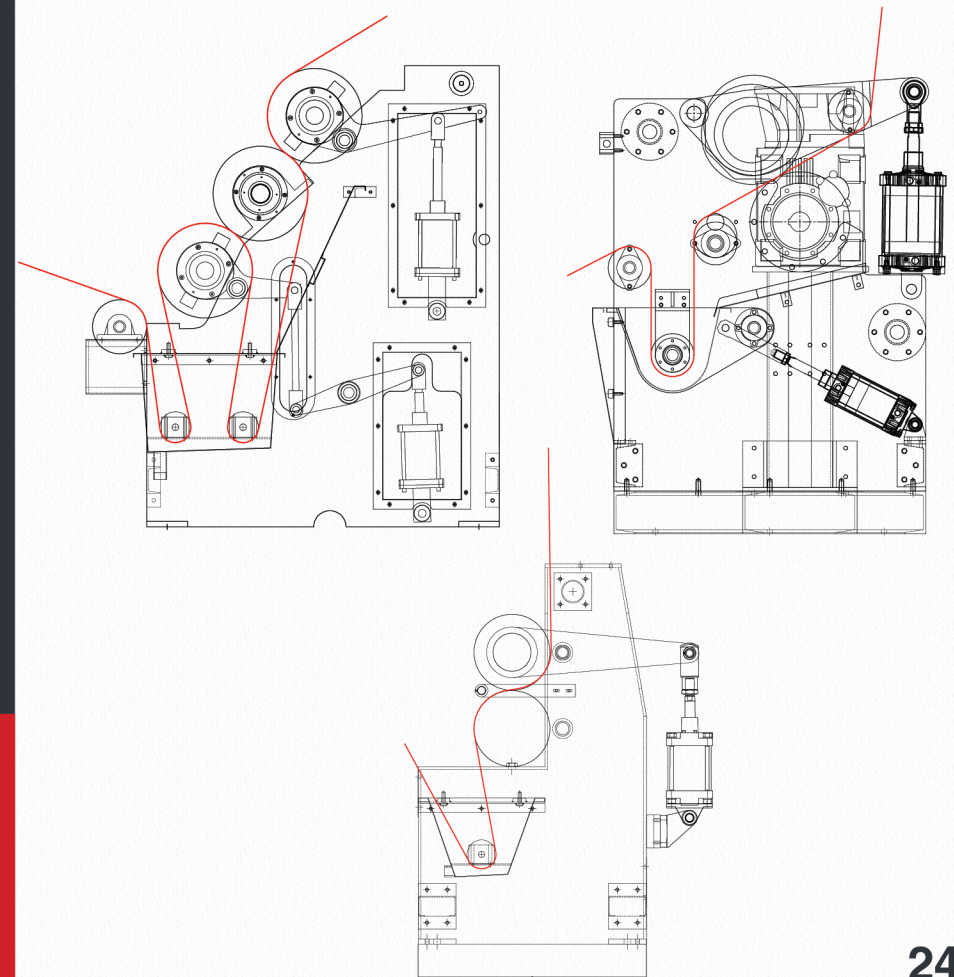
Parameter	Specifcaton(Two)	Specification (Three)
Application	Dewatering & chemical finishing	As per fabric & application
Number of Bowls	2	3
Max. Squeezing Pressure	Up to 12 Tons	Up to 15 Tons
Nip Pressure	Up to 50 N/mm	Up to 50 N/mm
Roller Design	Crowned & counter-pressure rollers	Crowned & counter-pressure rollers
Rubber Hardness	As per fabric & application	As per fabric & application
Fabric Expansion	Bow roller (curved bar expander)	Bow roller (curved bar expander)
Curl Control	Driven scroll rollers	Lifting & Lowering
Trough Types	Sliding / Tilting / Lowering	Pneumatic compensator / Load cell
Immersion Path	Standard / Long	Standard / Long
Trough Construction	Standard / Jacketed	Optional level & pH control
Temperature Control	Optional	Optional tank with stirrer & pump
Control System	PLC with Touch Screen	PLC with Touch Screen
Frame Material	MS / Optional SS 304	MS / Optional SS 304 / SS 316
Working Width	1400 – 3600 mm	1400 – 3800 mm

Applications

- » Dyeing pre-treatment
- » Chemical finishing
- » Resin & softener application
- » Moisture control and dewatering
- » Continuous textile finishing lines


Key Engineering Features


- » Integrated Filtration Unit – cleaner bath, lower chemical consumption
- » Thermal Stability System – consistent bath temperature
- » Adjustable Nip Pressure – up to 50 N/mm
- » PLC-Controlled Operation – accurate and repeatable process control
- » Available Working Widths – 1400 mm to 3600 mm
- » Durable Roller Surfaces – special coatings for long service life






CONTACT

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