

2-ROLL PADDER TYPE «HVF»

Vertical and horizontal padding

Various applications

The «HVF» is a very versatile padder. The vertical or horizontal working position can be easily adjusted making the «HVF» suitable for multifunctional use.

Short samples as well as complete batches with several metres of material, can be uniform and reproducibly impregnated, dyed, rendered hydrophobic and finished.



www.mathisag.com



Combination options

The «HVF» can be operated as an independent unit as well as in combination with other MATHIS AG machines. Regardless of the type of operation, padding processes must be reproduced precisely every time.

Often, the combination of «HVF» – «KTF» – «TPS» is used for the practical development and checking of continuous dye processes in the laboratory.

Scopes of application

The «HVF» can be used universally in the chemical and dyestuffs industries, the textile industry as well as in research institutes and development departments for single tests and tests in series.

Well-engineered functionality with impressive action

Very easy handling

- Changing over from horizontal to vertical position is possible without using any tools.
- All operating components are clearly arranged on an operating panel.
- The fabric speed is infinitely variable between 0.2 to 10 m/min. The current speed is displayed digitally.

Maintenance-friendly construction

The use of standardised electronic and pneumatic components reduce maintenance to a minimum.

The rollers and collecting vat of the «HVF» can be easily cleaned with the spray is attached to the machine.

The rollers are interchangeable. Furthermore, the driven and squeezing roller are identical in construction which again makes maintenance easier.



«HVF» – «KTF» – «TPS» combination for practical, continuous dyeing processes in the laboratory.

Operating components arranged clearly



Reliable and safe

Two safety rollers with cloth guiding plate enable safe feeding of the short sample both in the vertical and horizontal working position.

Short samples are preferably treated through the nip using the horizontal working position.

In the vertical working position which is intended for the treatment of longer samples, the material is fed through a dye trough.

Options

- Various roller rubber qualities and rubber hardnesses.
- Steel rollers.
- Heated rubber and steel rollers. Electrically or with thermofluids.

Accessories

Upwinding and unwinding device:	For padding of longer samples or complete batches (cold pad batch - CBP)
Gear wheels:	For driving of both rollers
Distance adjusting device:	Adjustable from 0 to 5 mm, for treatment of thick materials
Trough heating:	With electronic temperature regulator.
Economic trough:	Content 200 ml
Automatic pressure release when web run stops	



Simple change over from vertical to horizontal working position



Unwinding and upwinding device



Dye trough with trough heating, electronically regulated

Other documentation

Continuous Dryer Type «KTF»

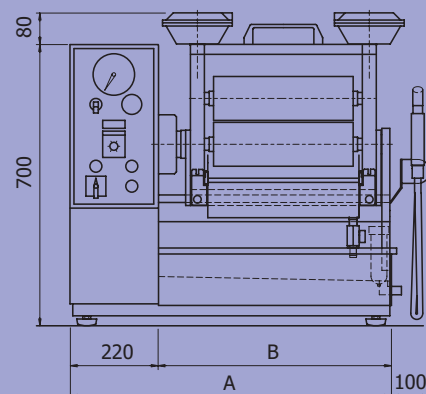
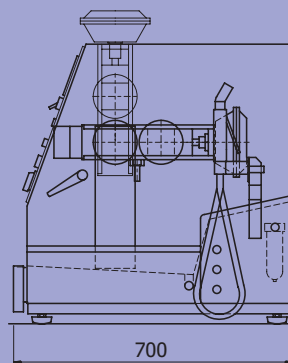
Continuous coating systems Type «KTF-S»

Pad steam range Type «TPS»

Continuous Coating Systems Type «BA»

Technical information

	Typ «HVF 350»	Typ «HVF 500»
Roller width:	350 mm	500 mm
Roller diameter:	Ø 110 mm	
Rubber hardness:	~70° Shore	
Fabric speed:	0.2 – 10 m/min	
Liquor content:		
Nip max.	250 ml	350 ml
Trough max.	1200 ml	1700 ml
with displacement body max.	800 ml	1100 ml
Compressed air connection:	G1/4"	
Working pressure:	0.5 – 6 bar	
Linear pressure:	max. 300 N/cm	
Water connection:		
Inflow (spray) outflow (collecting vat)	G3/8" G1/2"	
Drive output:	0.4 kW	
Dimensions:		
A	805 mm	955 mm
B	585 mm	735 mm
Weight:	220 kg	250 kg

**Werner Mathis AG**

Rütisbergstrasse 3
CH-8156 Oberhasli/Zürich, Switzerland
Telefon: +41 44 852 50 50
Telefax: +41 44 850 67 07
info@mathisag.com
www.mathisag.com

Werner Mathis U.S.A. Inc.

2260 HWY 49 N.E./P.O. Box 1626
Concord N.C. 28026, U.S.A.
Phone: +1 704 786 6157
Fax: +1 704 786 6159
usa@mathisag.com

Mathis (India) PVT. LTD.

No.01, Shreeji Arcade
1st Floor, Opp. Nitin Co.
Almeida Road, Thane 400 602
Phone/Fax: +91 22 2538 5472
india@mathisag.com

Aparelhos de laboratorio Mathis Ltda

Estrada dos Estudantes 261
CEP 06707-050 COTIA S.P., Brasil
Phone: +55 11 3883 6777
Fax: +55 11 3883 6750
brasil@mathisag.com