

# 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.



## 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»

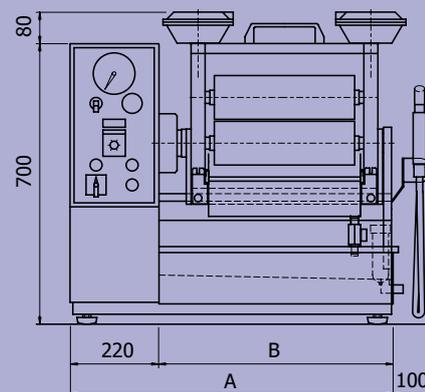
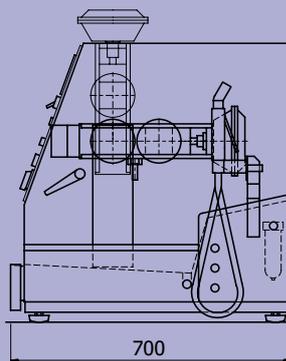
Continuous coating systems Type «KTF-S»

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	G3/8"	
(collecting vat)	G1/2"	
Drive output:	0.4 kW	
Dimensions:		
A	585 mm	735 mm
B	805 mm	955 mm
Weight:	220 kg	250 kg

**Werner Mathis AG**

Rütisbergstrasse 3  
 CH-8156 Oberhasli/Zürich, Switzerland  
 Telefon: 41(0)44-852 5050  
 Telefax: 41(0)44-850 6707  
 E-mail 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  
 E-mail: usa@mathisag.com

**Mathis (India) PVT. LTD.**

203, Swastic plaza  
 Pokhran Road No. 2, Thane 400 601  
 Phone: +91 22 2585 4304  
 E-mail: india@mathisag.com

**Aparelhos de laboratorio Mathis Ltda**

Estrada dos Estudantes 261  
 CEP 06700 COTIA S.P., Brasil  
 Phone: 55 (0)11-4612-2333  
 Fax: 55 (0)11-4612-2598  
 E-mail: brasil@mathisag.com