



BENNINGER

SynthMaster

For the most gentle treatment
of heavy, sensitive fabrics



Datasheet SynthMaster

Capacity	150 kg	1 Port
	300 kg	2 Ports
	450 kg	3 Ports
MOM	AISI 316 L (Liquor contact parts)	
Liquor ratio	1:6 Synthetics, 1:8 Cellulosic	
Dyeing Temp.	Up to 140 °C	
Application	<input checked="" type="checkbox"/> Knit <input checked="" type="checkbox"/> Woven	
Fibers	PES, PA, non heatsetted PES & PA, Microfibers, Wool, CV, Modal, Tencel and Lycra blends	
Controllers	Sedo Treepoint, Setex	



The Essentials

Operator friendly

All operational elements such as reel, nozzle, chamber and plaiter can be viewed during operation. Loading can be done without loading tape.



'Smoothflow'

Round shaped with automatic setting of gap guarantees widest range of fabric

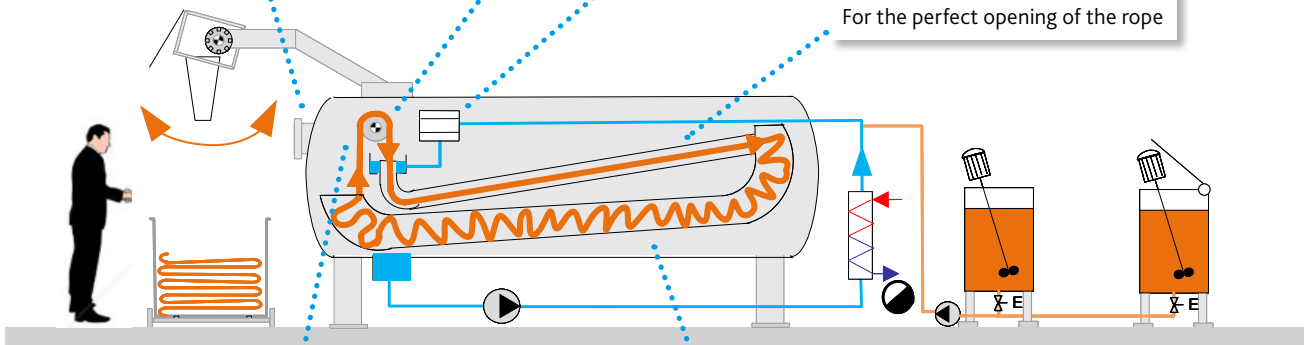
Automatic filter

Unique and only 100% inbuilt self-cleaning filter



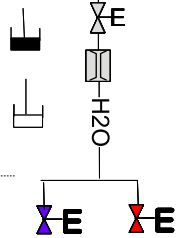
Plaiter

For the perfect opening of the rope



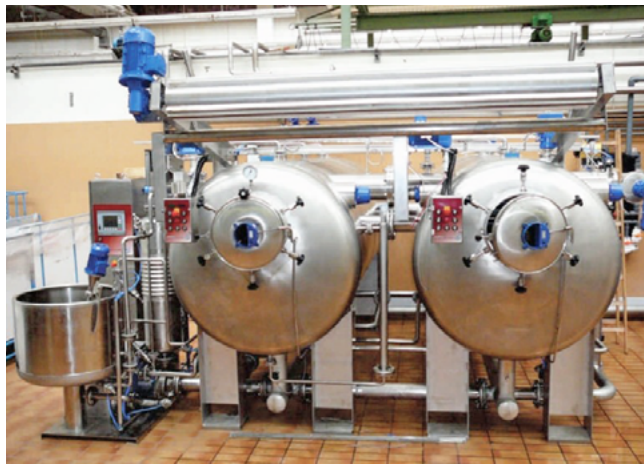
Highest wrapping angle in the industry

with lowest lift and stretch of fabric



Double conical shaped storage chamber

guarantees perfect fabric running conditions with no compression



The SynthMaster operates by extremely low stretch and twist. Creases and rotation of the fabric are avoided thanks to plaiting device and the rectangular exit section of the plaiter arm.

Furthermore the SynthMaster works thanks to the innovative dewatering and chamber design at lower liquor ratio than any other horizontal or longtube JET dyeing machine.

Customers have decided for SynthMaster due to the ability to dye difficult PES, PA (not preheatsetted) fabrics without any rope marks or edge curling.



BENEFITS

- Lowest liquor ratio of any hydrodynamic driven long tube dyeing machine through optimized chamber
- Highest wrapping angle in the industry with lowest lift and stretch of fabric
- «Smooth flow» variable nozzle
- Unique and 100 % inbuilt self-cleaning filter
- Plaiting device over full width of chamber
- «Plug and Play»

Benninger AG
info@benningergroup.com
www.benningergroup.com

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