

BENNINGER



DyeMaster

Central dyehouse supply systems

- 20% less processing time on dyeing machines
- No waiting time for the machine
- Higher reproducibility
- Pay back less than 1 year

Swiss Engineering and Technology 

A Jakob Müller
Company

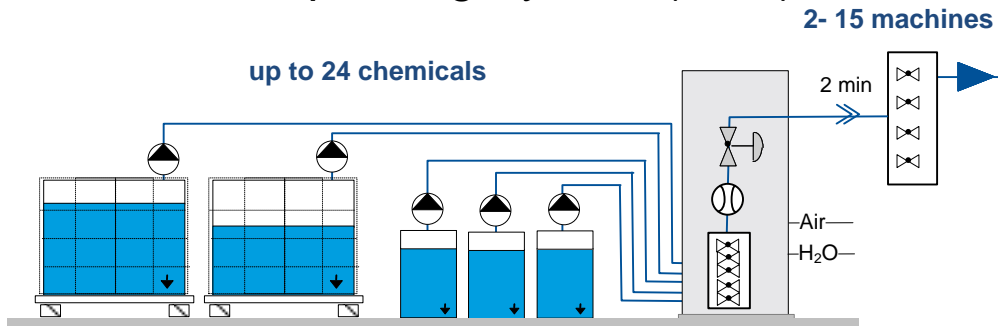


Chemical Dispensing (CDS) Dyestuff Dissolving & Dosing (DDS) Powder Dissolving, Storing and Dosing (PDSD) Water Supply System (WSS)

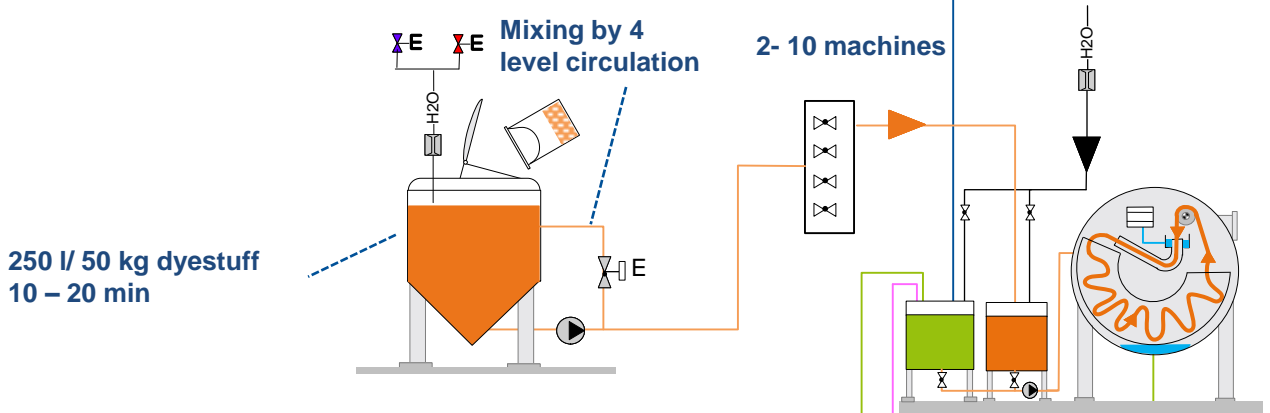
Applications	<ul style="list-style-type: none">• Liquid chemical dispensing for dyeing machines and stenter frames• Dyestuff dissolving• Soda & Soda dissolving, storage and distribution• Waste water heat recovery systems
Chemical preconditions	0.7-1.5 g/cm ³ / 0 -12000 mPas
MOM	AISI 316 L (Liquor contact parts) PVC or EPDM hose pipe
Controllers	Sedo Treepoint, Setex
Host systems	Sedomaster/ Sedo Treepoint, Orgatex /Setex



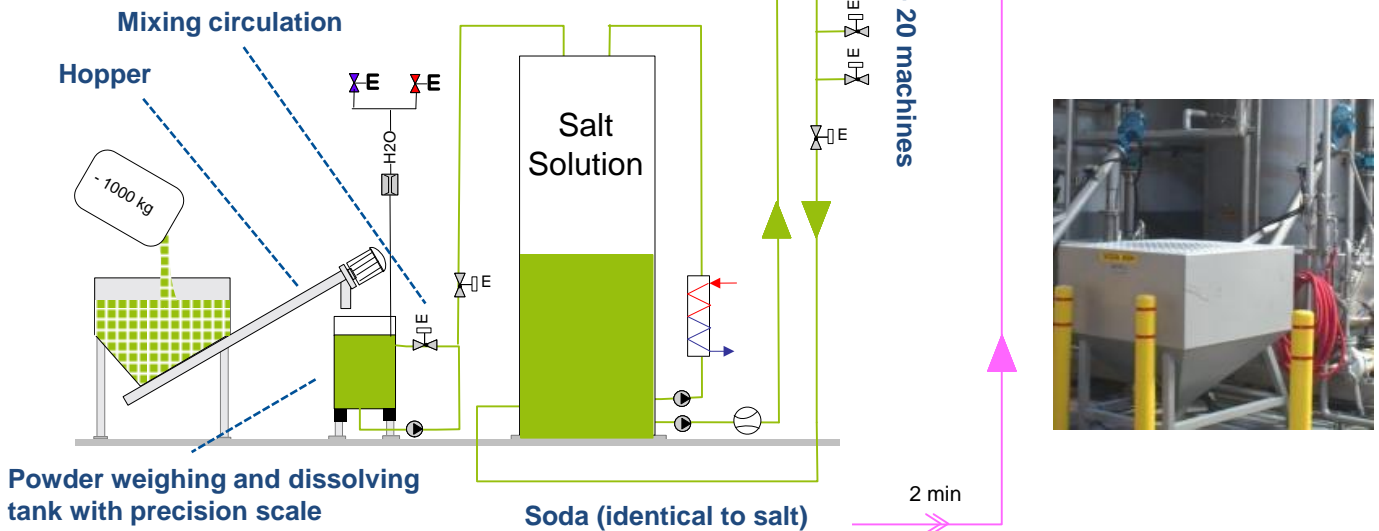
Chemical Dispensing System (CDS)



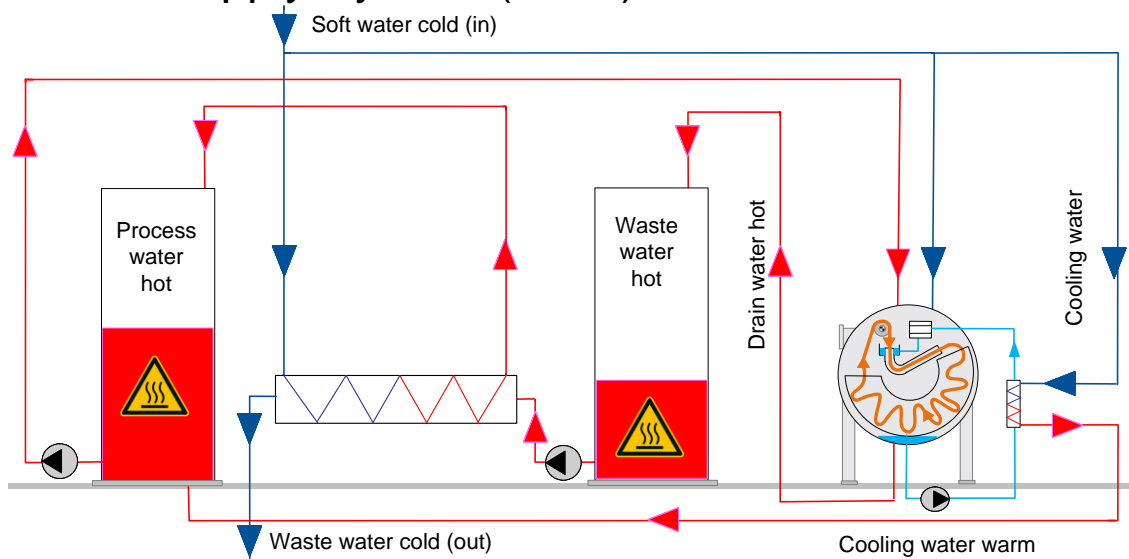
Dyestuff Dissolving and Dosing (DDS)



Powder Dissolving (PDSD)



Water Supply System (WSS)



FACTS

- No dyestuff dust contamination outside of dyestuff kitchen
- Centralized chemicals store in protected environment
- IBC or original chemical suppliers container can be used and therefore no manual manipulation and dangerous handling in workshop
- “Just in Time” supply, not waiting time at machine and therefore high reproducibility on dyeing process
- Human error elimination
- Permanent hot water availability – shorter heating up time
- No preheating tank at Jet dyeing machine required (less cost, less space)
- High degree of heat recovery and 40% saving of heating energy (steam)
- No hot discharge to effluent treatment plant
- HOST System manages complete dyehouse equipment including the sub systems.



The Water Supply System WSS provides the dyehouse permanently with hot water at constant temperature and pressure. Incorporated heat recovery cools down the process water by counterflow principle and heats up cold fresh water to 50 °C with a pay back of less than 1 year. Furthermore discharging water is cooled down to fulfill local discharge regulations and/or the requirement of the biological effluent treatment plants.



Headquarter

Benninger AG

9240 Uzwil, Schweiz
T +41 71 955 85 85

info@benningergroup.com
www.benningergroup.com



Benninger Reiden

Kreuzmatte 1c
6260 Reiden, Schweiz
T +41 62 745 16 00

info@lab-pro.ch



Benninger Zittau

Küsters Textile GmbH
02763 Zittau, Deutschland
T +49 3583 83 0

kuesters@benningergroup.com



Benninger India Private Ltd.

Mumbai 400 014, Indien
T +91 22 2417 5361

benindia@benningergroup.com