



MCS

DYEING & FINISHING MACHINERY

*Your ideal partner since 1963,
which means reliability, research and innovation.*

SOFTFLOW 100

HORIZONTAL HT ROPE DYEING MACHINE

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La SF 100 es el modo ideal de teñir tejidos de trama/urdimbre y calcetería con estructura sensible y delicada, a temperatura elevada. Esta máquina es la confirmación definitiva de la indiscutible versatilidad de la técnica de la tincura con "depósito horizontal". Esta característica de base, permite el empleo del SOFT FLOW SF100 a temperatura elevada con tejidos de Poliéster 100% Poliéster/ Viscosa, Poliéster/Nailon, 100% Nailon, y con otros tejidos elásticos como: Jersey de Algodón/Lycra, Nailon/Lycra, Acetato/Viscosa, Lana/Seda/Viscosa.

Por lo tanto, la versatilidad del SOFT FLOW SF 100 se manifiesta tanto en el uso para tejidos con malla, como para tejidos de trama/urdimbre.

Usado especialmente para la tincura de los crepes de viscosa y del poliéster bielástico además de para los artículos mixtos de lana, lino, lyocell, cupra-viscosa y mixtos.

SF 100 represents the best way for high temperature dyeing of woven and knitted fabrics with sensitive and delicate structure. It is the final confirmation of the undisputed versatility of "horizontal dyeing" machines.

This basic feature allows the use of our SOFTFLOW SF 100 at high temperature for woven fabrics such as: 100% Polyester, Polyester/Viscose, Polyester/Nylon, 100% Nylon elastic fabrics such as: Cotton/Lycra/Jersey, Nylon/Lycra, Acetate/Viscose, Wool/Silk/Viscose.

The use of our SOFT FLOW SF 100 with both woven and knitted fabrics is the clear demonstration of machine versatility. Our machine is particularly used for dyeing viscose crepes and bielastic polyester, apart from wool blends, linen blends and recently asl tencel and cupro/viscose.

SF 100

LA EXCELENCIA
ENTRE LAS MÁQUINAS
CON DEPÓSITO
HORIZONTAL

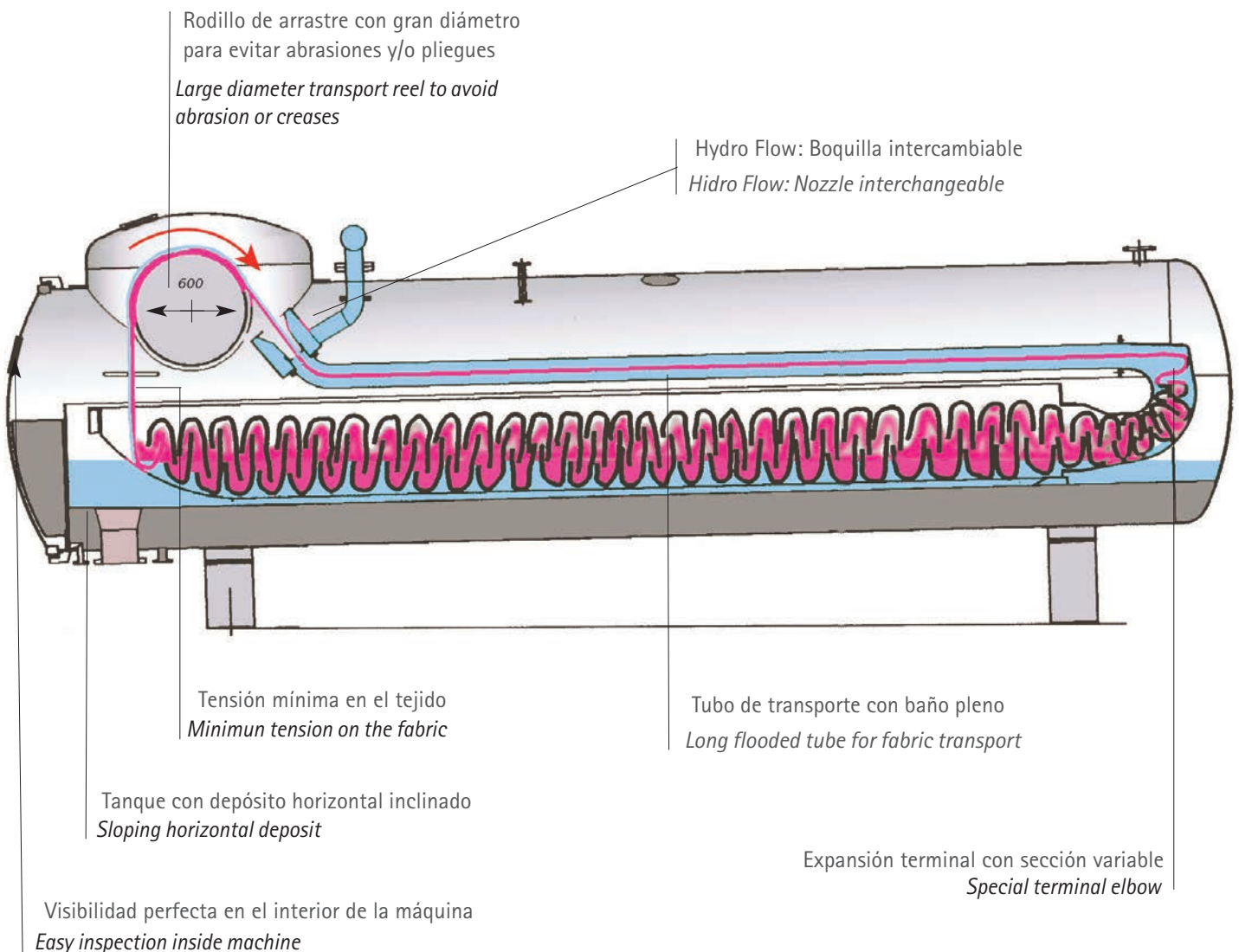


SF 100
EXCELLANCE
IN HORIZONTAL
DYEING
MACHINES

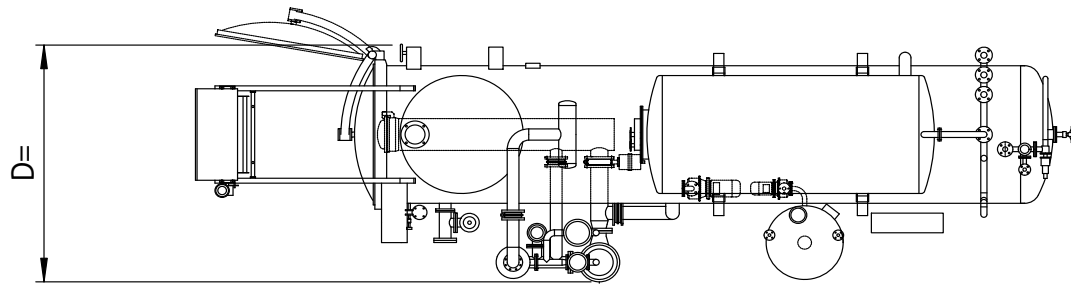
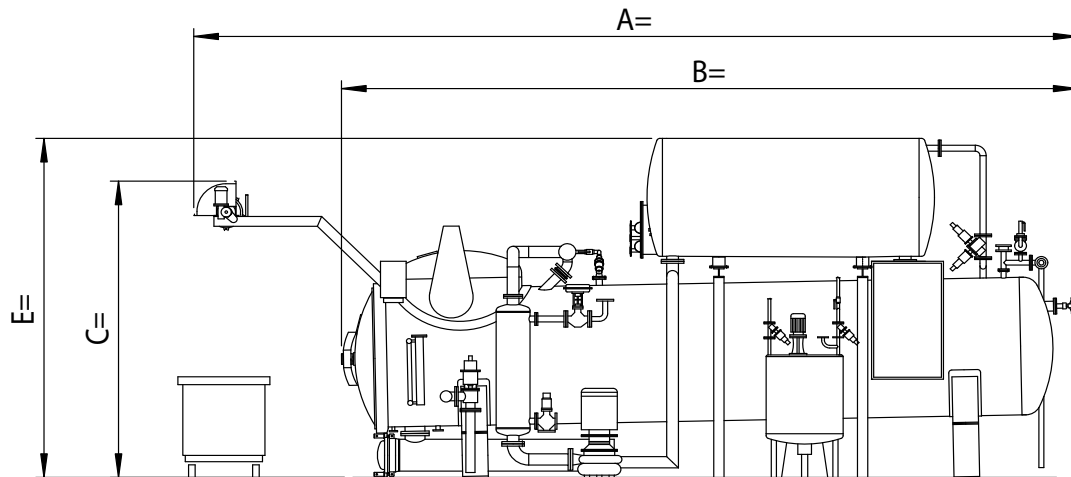
TECNICAL DATA

- Método de transporte tradicional, confirmado y evolucionado por la experiencia con atención a la apremiante temática energética
- El rodillo de arrastre motorizado con gran diámetro para evitar problemas de abrasión y pliegues
- Tubo largo de transporte con tejido a pleno baño
- Expansión terminal del tubo de transporte en curva de sección adecuada para "ralentizar" el tejido en el depósito
- Distancia reducida entre rodillo de arrastre y depósito del tejido
- Automatización simple y funcional
- Temperatura máxima de empleo 143° C con presión de 3 bar
- Relación baño de 1/7 - 1/12
- Velocidad del tejido hasta 450 m/1'
- Modelos estándar de 170-510 kg.
- Máquina controlada mediante microprocesador PCX/TEX
- Posibilidad de acabado con chorreado de arena o floreado

- Traditional fabric transport system, but with adequate solutions for energy saving
- The motorized reel with a large diameter to avoid problems of abrasion and folds
- Fully flooded long transport tube
- Larger transport tube end into a transmission elbow with adequate shape for an easy deposit of the fabric into the trough
- Reduced distance between dragging roller and fabric deposit
- Easy and functional automation
- Max. temperature 143°C with 3 bar pressure
- Liquor ratio 1/7 - 1/12
- Fabric speed up to 450 m/1'
- Standard models from 170-510 kg.
- Machine controlled via microprocessor PCX/TEX
- Machine finishing: either sand-blasted or spaghetti



MODELS DATA



	Loading [Kg]	Loading [Lbs]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
SF100-1S18	20	44	4200	3550	3000	2050	4000
SF100-1S28	50	110	5550	4550	3000	2050	4000
SF100-1S44	110	240	7150	6150	3000	2050	4000
SF100-1S54	130	290	8150	7150	3000	2050	4000
SF100-2S54	260	570	8600	7150	3000	2600	4000
SF100-3S54	390	860	8700	7300	3000	3000	4000
SF100-4S54	520	1140	8700	7400	3000	3700	4000

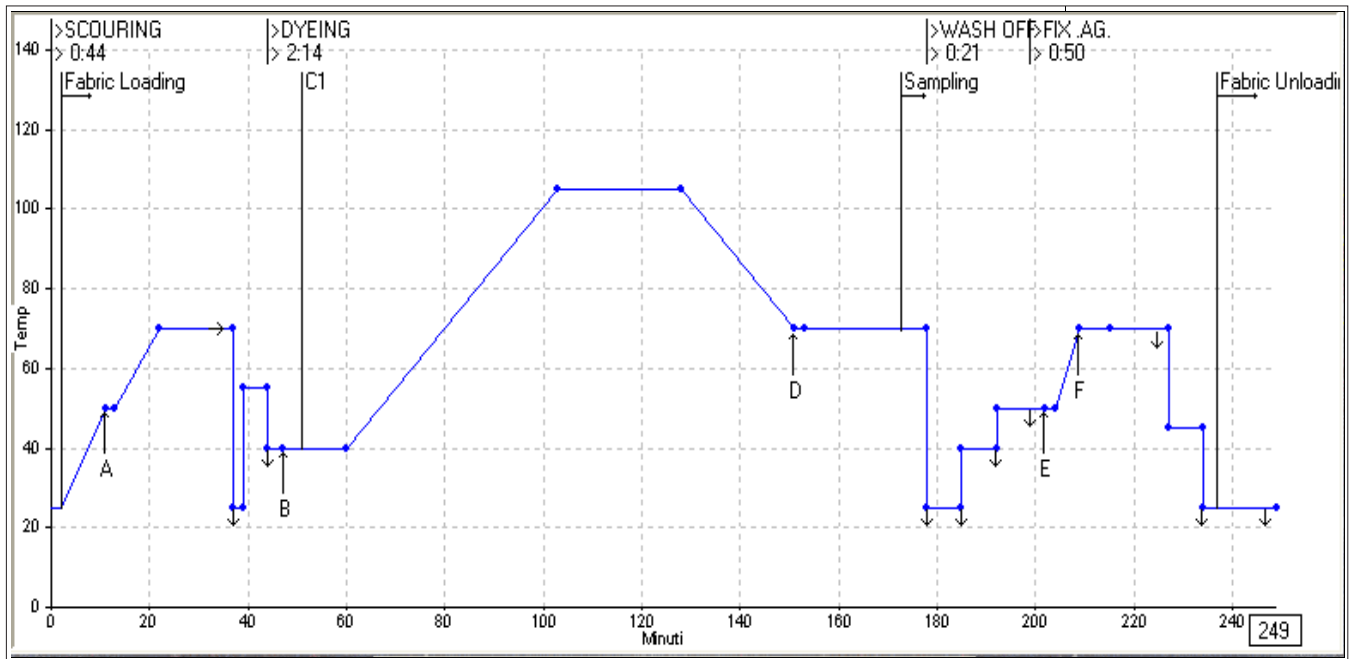
	Loading [Kg]	Loading [Lbs]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
SF100-1N18	30	65	4200	3550	3000	2050	4000
SF100-1N34	80	170	5550	4550	3000	2050	4000
SF100-1N44	125	280	7150	6150	3000	2050	4000
SF100-1N54	170	374	8150	7150	3000	2050	4000
SF100-1N64	215	473	9150	8150	3000	2050	4000
SF100-2N54	340	748	8700	7300	3000	3000	4000
SF100-2N64	430	946	9700	8300	3000	3000	4000
SF100-3N54	510	1122	8700	7400	3000	3700	4000
SF100-3N64	645	1419	9700	8400	3000	3700	4000

I dati tecnici forniti non sono impegnativi per il costruttore che si riserva la facoltà di modificarli senza obbligo di preavviso - MCS reserve the right to change technical data and specifications without prior notice

REAL
MADE IN
ITALY

DYEING REPORT

PA - LY



FABRIC FEATURES SF100-2N54

Article	KNITTED FABRIC
Composition	90% PA 10% LY
Colour	Antracite
Weight [gr/m]	277
Weight [gr/m ²]	154
Width [cm]	180
Lot [Kg]	268
Lot [m]	967
Preparation	RAW FABRIC
Finishing	STENTER
Remarks	=

MACHINE REGULATION SF100-2N54

Pump [rpm]	1150
Hydrovario [%]	4
Jet Pressure [bar]	0,6
Real speed [m/min]	270
Av. lap time [sec]	122
Liquor Ratio [l/Kg]	10
First filling [l]	2680
Next Fillings [l]	2278

RESULTS SF100-2N54

Water consum. [l]	20160
Water per kg fabric [l/kg]	75,5
Steam consum. [Kgs]	1768
Steam fabric [Kgs/Kg]	6,6
Energy kg fabric [Kw/Kg]	0,232
Real time [min]	249
Program N.	00-361

DYESTUFF

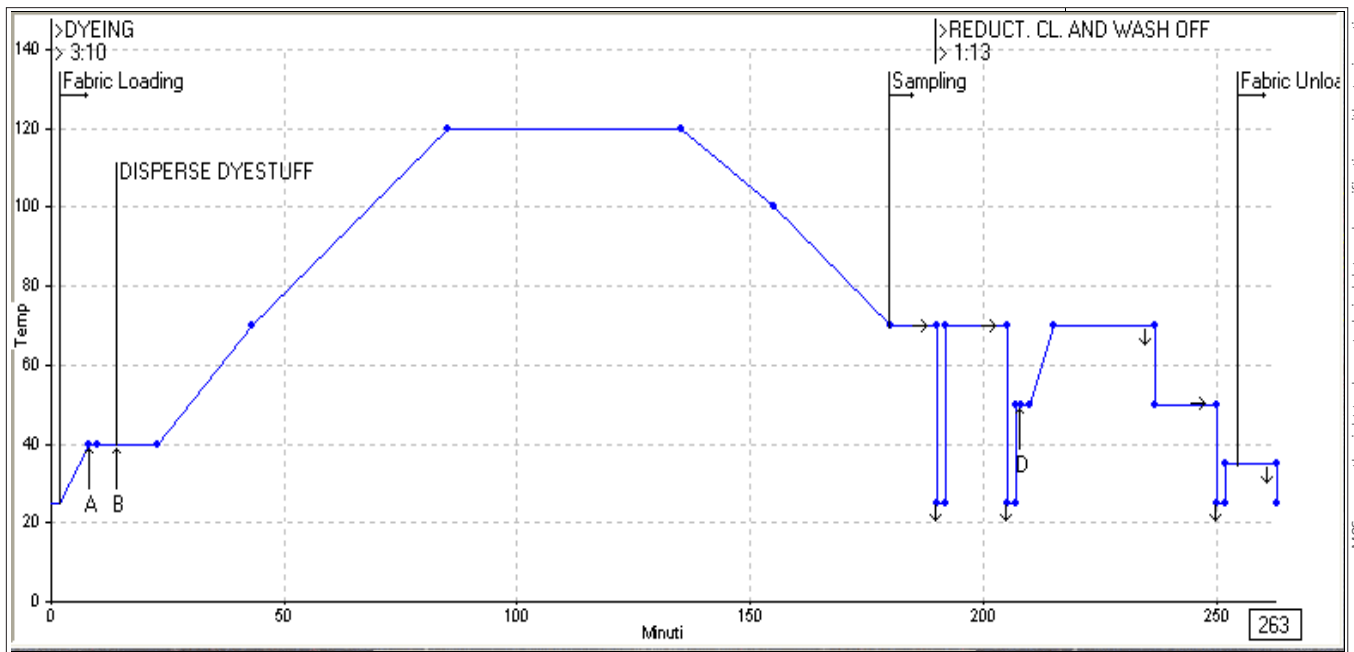
C1 Acid Dyestuff

AUXILIARES

A Aux. X Scouring	F Alkali
B Caustic soda	G Acetic Acid x neutraliz.
D Acetic Acid x neutraliz.	H Detergent x soaping
E Aux. x dyeing + Salt	

DYEING REPORT

PES - LY



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FABRIC FEATURES SF100-2N54

Article	KNITTED FABRIC
Composition	88% PES 12% LY
Colour	Brown
Weight [gr/m]	264
Weight [gr/m ²]	165
Width [cm]	160
Lot [Kg]	284
Lot [m]	1075
Preparation	RAW FABRIC
Finishing	STENTER
Remarks	=

MACHINE REGULATION SF100-2N54

Pump [rpm]	1200
Hydrovario [%]	4
Jet Pressure [bar]	0,8
Real speed [m/min]	280
Av. lap time [sec]	122
Liquor Ratio [l/Kg]	9
First filling [l]	2556
Next Fillings [l]	2130

RESULTS SF100-2N54

Water consum. [l]	17141
Water per kg fabric [l/kg]	60,3
Steam consum. [Kgs]	1392
Steam fabric [Kgs/Kg]	4,9
Energy kg fabric [Kw/Kg]	0,231
Real time [min]	263
Program N.	00-102

DYESTUFF

B Disperse Dyestuff

AUXILIARES

A Auxillares for Dyeing	E Acetic acid
D Reduction cleaning agent	F Fixing agent

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