

Mild Circular Model CUT-XF

Various Special Systems & Devices

High Temperature Rinsing System (HTRS)

- Productivity improved(save time)utility savings
- Improving quality and color fastness
- Dyeing accident prevention
- (Prevention of contamination)

Low Liquid Rinsing System(LLR)

- Reduce the frequency cleaning
- Reduction of liquor quantity and time
(Compared to the conventional 1 /3)

OPTION

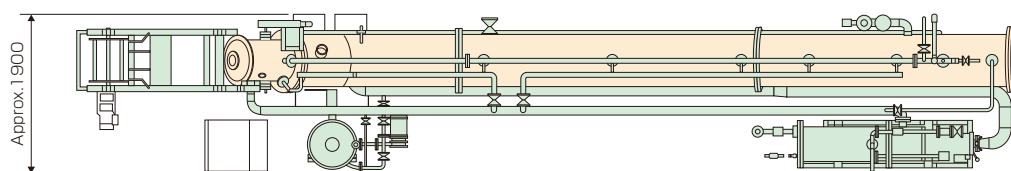
Dyestuff Dissolving System (HDE)

- No need of a dyestuff dissolved
- Eliminate the problem is insoluble dye
- In any dissolution, allowing injection
- Simplifies the preparation of dye

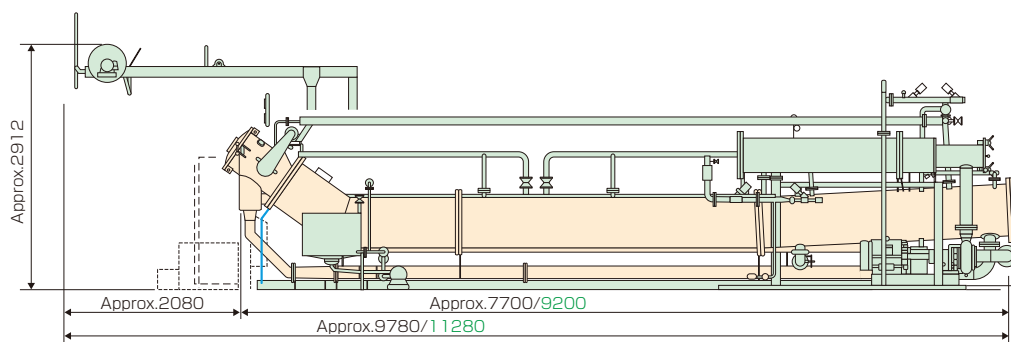
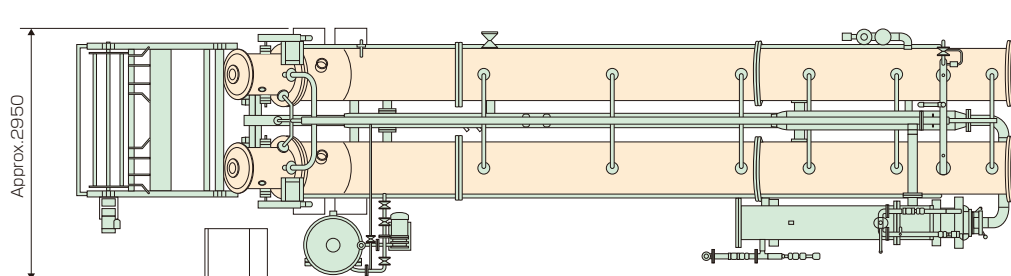
Streamlined System

- Configuration management system for operating conditions
- Production control system
- Automatic•dyestuff and chemical measuring system
- Automatic•dyestuff and chemical feeding system
- Fabric transportation system
- pH Control system

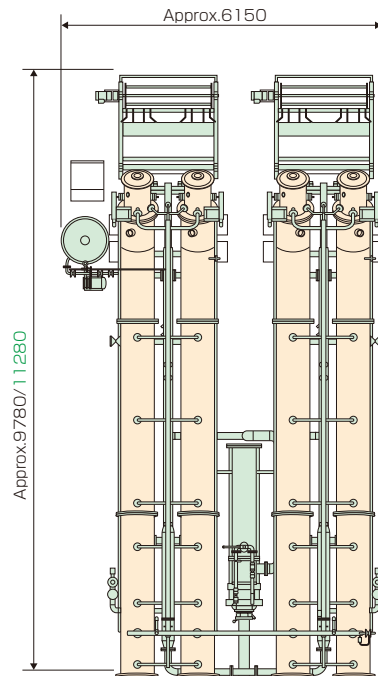
CUT-XF-1 / CUT-XF-1L



CUT-XF-2 / CUT-XF-2L



CUT-XF-4 / CUT-XF-4L



HISAKA Mild Circular Model CUT-XF MILD FLOW JET



Model
CUT-XF-2L

MILD FLOW RAPID JET DYEING MACHINE

EVEN DIFFICULT MATERIALS THAT ONLY ALLOW PROCESSING BY SOFT FLOW JET DYEING MACHINES ARE DYED SMOOTHLY IN THIS NEWEST MODEL CUT-XF FOR EXAMPLE, MISALIGNMENT OF LINING CAN BE PREVENTED. MOST SUITABLE FOR DELICATE FABRICS AND MULTIPLE MATERIALS SUCH AS NON-WOVEN AND BLENDED MATERIALS SO ON.

Model CUT-XF

High Quality Dyeing for Natural and Blended Fabrics

Problems such as Pilling, Felting, Friction and Crease occurrence are dispelled. With application of new system, same speed is maintained with the Nozzle Pressure less than half against conventional model.

Ex.T/W Woven Fabrics Conventional Model	Nozzle Pressure	Fabric Speed
XF	1.00 (10 ⁻¹ MPa)	150m/min
	0.35 (10 ⁻¹ MPa)	150m/min

Consistent Liquor Ratio for Various Loading Capacity

Application of special inner case and lower nozzle pressure largely reduces the minimum amount of liquor required. This function improved for reproducibility of high dependent on Liquor Ratio Dyeing.

Ex.XF-1S model	Small Capacity Model: Liquor volume in a range from 350lit to 1400lit			
		Loading Capacity	Liquor	Liquor Ratio
		15kg × 3 rolls = 45kg	450lit	1 : 10
		15kg × 7 rolls = 105kg	1050lit	1 : 10

Low Liquor Ratio Dyeing

Dyeing of Micro Fiber “Shin-Gosen” at lower liquor ratio (lower than 1 : 8) . Reducing of Running Costs and Total water consumption.

Vastly Improved Smoother Running Condition

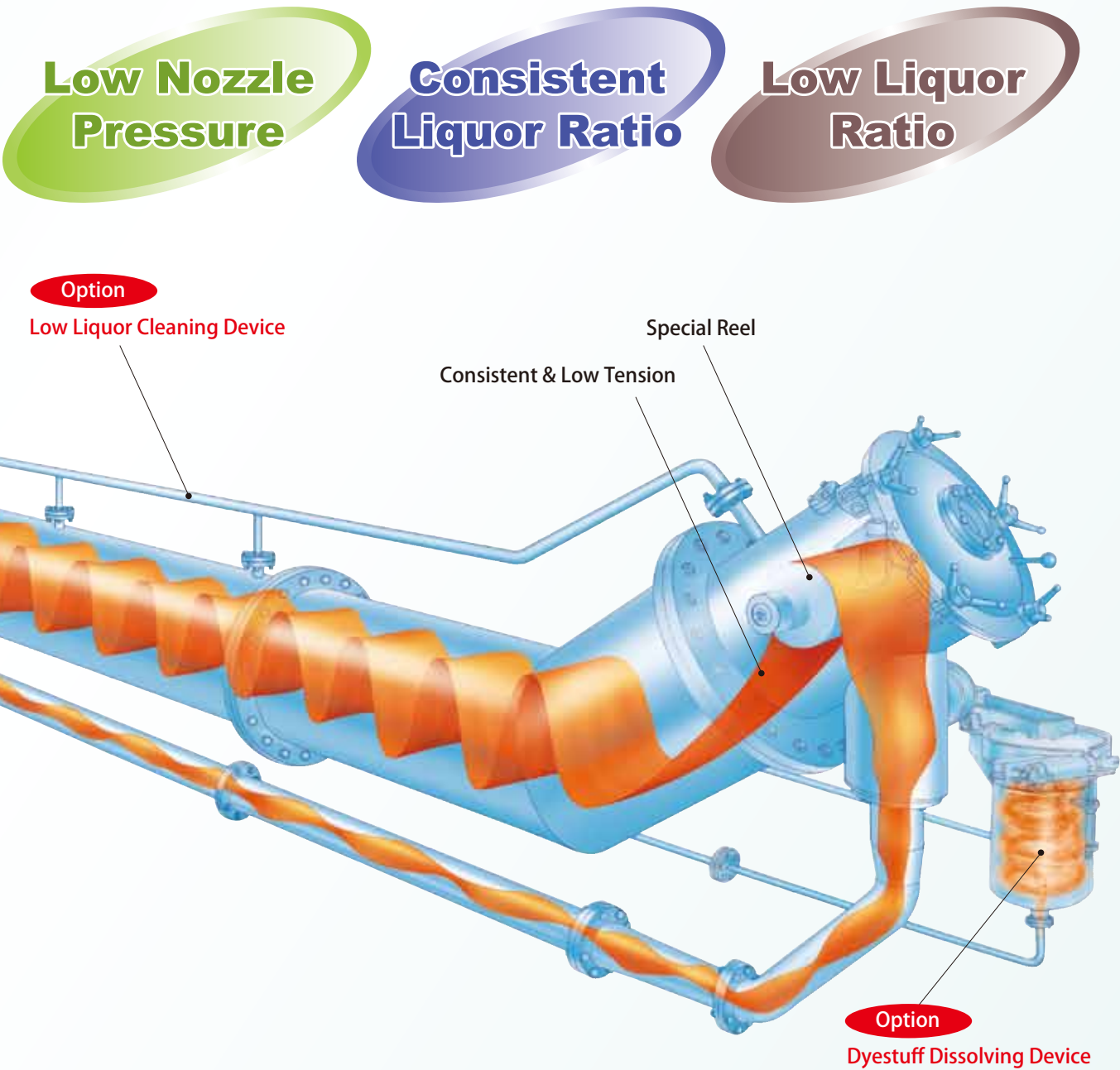
No more clogging up in the back of the chamber at lower temperature with application of the special Inner Case. Newly designed optimum slope on rear construction improved smoother fabric transportation and stable loading condition despite low and high temperature in the autoclave.

Running at Stable, Lower Tension

More uniform circulation and better liquid separating structure contribute to stable and lower tension running. No tacking required (ex. Bare Gray Sheeting)

EX.Application Data

	Kind of Fabric	Material	%	Weight of Fabrics (g/1m)	Fabric Length (m)	Capacity (kg)	Liquor (lit)	Liquor Ratio
CUT-XF-1	Woven	T/W	50/50	490	260	128	1300	1 : 10
	Circular Knit	N/SP	90/10	380	220	84	600	1 : 7
	2 Way Tricot	N/C/PU	59/25/16	430	210	90	1000	1 : 11
	Net	N/SP	90/10	280	350	98	800	1 : 8
CUT-XF-1L	Woven	C/T	50/50	240	720	173	1400	1 : 8
	Woven	C/NY	80/20	260	550	143	1400	1 : 10
	Stretch Woven	C/PU	98/2	230	750	173	1600	1 : 9
	Taffeta	N	100	85	1050	90	1250	1 : 14
	Twill	Tencel	100	540	280	151	1400	1 : 9
	Warp Knit	C/N/PU	77/20/3	190	400	76	900	1 : 12
	Warp Knit	PU/R	69/31	290	380	110	1100	1 : 10
	Circular Knit	PET	100	470	340	160	950	1 : 6
	Automotive Sheet	T/CD	60/40	1150	105	120	960	1 : 8
	Lace	PET/R	80/20	155	1250	194	1300	1 : 7
	Lining	PET	100	20	4000	80	1600	1 : 20



PERFORMANCE (Subject to the kind of Fabrics)

Item		Model	Circular XF-Series			Circular XF-Series (Large Capacity)		
			CUT-XF-1	CUT-XF-2	CUT-XF-4	CUT-XF-1L	CUT-XF-2L	CUT-XF-4L
Max.Temperature	°C		140			140		
Max.W.Pressure	MPa (kg/cm2G)		0.49 (5.0)			0.49 (5.0)		
Liquor	lit		700~1100	1400~2200	2800~4000	800~1300	1600~2600	3200~5200
Capacity	kg		60~170	120~340	240~680	70~200	140~400	280~800
Power	kW/hr		17~18	33~34	60~61	17~18	33~34	60~61
Heating Rate 20→130°C By 0.8MPa (8kg/cm2) saturated steam	min		20			20		
Cooling Rate 130→80°C By 20°C cooling water	min		15			15		
Fabric Speed	m/min		50~500			50~500		