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Wascator Automatic Shrinkage Testing Machine Model: Y089E



**Brand & Origin:** SanXin, Hongkong.

**Application:**

Accelerated washing apparatus for knitted and woven fabrics to assess shrinkage in accordance with international test methods. Also used for assessing fabric stability, color fastness, finish durability, spirality and pilling to washing.

**Standards:**

ISO 6330-2012                      GB/T 8629-2017                      FZ/T 70009  
BS 4923 Methods for individual domestic washing and drying for use in textile testing  
BS EN ISO 6330 Textiles. Domestic washing and drying procedures for textile testing IEC  
60456

**Features**

1. The whole machine is made of high-quality stainless steel materials inside and outside, with industrial structural design, anti-corrosion, beautiful and exquisite, and durable.
2. Color touch screen control, Chinese and English menus, man-machine conversation mode, easy to operate.
3. High performance continuously variable speed motor with digital speed setting is adopted.
4. Fully independent suspended roller technology, high shock resistance, ultra-quiet operation, no need for foot fixation.
5. Adopt 32-bit Cortex-m3 microprocessor, with fast data processing speed, sensitive instrument response, and stable and reliable operation.

6. Adopt high-precision electronic pressure sensor to ensure accurate and reliable water level.
7. The temperature control adopts optimized PID algorithm, with fast heating speed and small control fluctuation.
8. There are 13 built-in GB/T 8629 programs, 13 ISO 6330 programs, 3 custom programs, and 1 manual single program.
9. The stainless steel metal handle and high-pressure glass window ensure a more durable door opening.
10. Electric door switch, with self-locking function, can automatically open and close the door according to the needs of the test process, to avoid manual misoperation of the door during the test process leading to liquid overflow.
11. The observation window type drainage filter is convenient for observation and timely cleaning, which is convenient for cleaning.
12. The 6-station automatic feeding system can meet the requirements of multiple cycle tests without manual attendance, greatly saving testing workload and improving testing efficiency.

## Specifications

1. Type: Front door charging; Horizontal roller
2. Inner cylinder: diameter: (520 ± 1) mm; Depth: (315 ± 1) mm; Net volume: 61L Lifting wing: quantity: 3 pieces; Height: (53 ± 1) mm;
3. Length: Extends to the bottom of the inner cylinder; Angle between sheets 120 °
4. Outer cylinder: diameter (554 ± 1) mm
5. Drum speed:
6. Washing: (52 ± 1) rpm
7. Dehydration: low speed (500 ± 20) rpm, high speed (800 ± 20) rpm.
8. Water level control: 1~20cm digital setting
9. Temperature control: room temperature~99 °C Digital setting ± 1 °C
10. Heating power: 5.4KW
11. Rotation action:
12. Normal rotation time interval: (12±0.1) s Normal stop time interval: (3±0.1) s Relaxation rotation time interval: (8±0.1) s Relaxation stop time interval: (7±0.1) s Soft rotation interval: (3±0.1) s Soft stop interval: (12±0.1) s
13. Water supply system:
14. Water supply flow: (20 ± 2) L/min (the water supply pressure at the inlet should be higher than the 150kP condition)
15. Water level detection: 2nd gear, 100mm and 130mm (tolerance ≤ 3mm)
16. Drainage rate: > 30 L/min
17. Washing program: built-in 13 sets of GB/T 8629 programs; 13 sets of ISO 6330 procedures; 3 sets of customized programs; 1 set of manual single program
18. Door switches: automatic switches

GB/T 8629 ISO 6330 User Defined

No.	Temp. °C	Washing		Rinse 1		Rinse 2		Rinse 3		Rinse 4					
		Liquor level cm	Wash time min	Liquor level cm	Rinse time min	Liquor level cm	Rinse time min	Liquor level cm	Rinse time min	Liquor level cm	Rinse time min				
C1	50	10	13	Y	10	3	13	3	2	5	5	2	10	10	2
C2	40	13	10	N	5	13	10	10	2	10	13	2	0	0	0
C3	30	10	10	Y	10	10	10	3	3	10	3	3	13	6	3

Agitation Method: Normal  
Whether agitate during heating: No

Enter

GB/T 8629 ISO 6330 User Defined

Agitation Method	Temp. °C	Normal	Normal	Normal	Gentle	Normal	Gentle	Normal
		32±3	70±3	60±3	60±3	50±3	50±3	40±3
Washing	Liquor level cm	10	10	10	10	10	10	10
	Wash time min	15	15	15	15	15	15	15
Rinse 1	Liquor level cm	13	13	13	13	13	13	13
	Rinse time min	3	3	3	3	3	3	3
Rinse 2	Liquor level cm	13	13	13	13	13	13	13
	Rinse time min	3	3	3	2	3	2	3
Rinse 3	Liquor level cm	13	13	13	13	13	13	13
	Rinse time min	2	2	2	2	2	2	2
Rinse 4	Liquor level cm	13	13	13	0	13	0	13
	Rinse time min	2	2	2	0	2	0	2
Spin	Liquor level cm	5	5	5	0	5	0	5
	Spin time min	5	5	5	0	5	0	5

Procedure No. SN 7N 8N 9M 5N 5M 4N

Next Enter

Automatic Manual

Temp 0.0°C Water 0.0cm Time 00:00:00 Status Standby

Parameters Cycle times: 1 0 Spin: Low

No.	Temp. °C	Washing		Rinse 1		Rinse 2		Rinse 3		Rinse 4					
		Liquor level cm	Wash time min	Liquor level cm	Rinse time min	Liquor level cm	Rinse time min	Liquor level cm	Rinse time min	Liquor level cm	Rinse time min				
1A	92	10	16	1	13	3	13	3	0	13	2	0	13	2	5

Agitation Method: Normal

Start Stop

Automatic Manual

Parameters

Temp (°C): 40 Water (cm): 13 Spin T (min): 10

Wash T (min): 10 Rinse T (min): 10

Agitation Method: Normal Spin: Low

Single step

Temp 0.0°C Water 0.0cm Time 00:00:00 Status Standby

Wash Rinse Spin Inflow Drain Zero

