

## YKRC1208 Dissolution Tester



YKRC1208 dissolution test instrument is a high-performance 12-cup 12-bar dissolution test device designed and manufactured strictly in accordance with the provisions of Chinese Pharmacopoeia and American Pharmacopoeia. It has high intelligence, advanced structure, accurate control and good reliability. PC cup board and water bath box integrated design, beautiful appearance, easy to observe the test process from multiple angles. High temperature resistance, corrosion resistance, extended service life.

### Unique features:

1. Can be connected to a sampler
2. Monitor the temperature of each cup
3. Automatically set the height when taking liquid
4. Each dosing port can be independently controlled



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#### Technical parameters:

- Device number: 12 cups 12 rods (isothermal refill cups can be added).
- Speed zone: (6+6) 2 working areas, 2 batches of dissolution test can be completed at the same time.
- Mode of administration: Simultaneous dosing and sequential dosing are two ways.
- The intelligent sampling frame can automatically rise and fall according to the volume of the solvent, and has functions such as real-time temperature monitoring in the cup.
- Applicable method: "Chinese Pharmacopoeia" first method (basket method), second method (paddle method), third method (small cup method), fourth method (paddle dish method), fifth method (rotating cylinder method).
- Mixing paddle and rotating basket specifications comply with pharmacopoeia regulations.
- Stirring paddle swing amplitude:  $\leq 0.3\text{mm}$
- Stirring rate: 25RPM-250RPM.( Mixing speed is optional up to 300RPM)
- Stirring direction: Clockwise, counterclockwise.
- Stirring rate resolution: 0.01RPM.
- Speed error:  $\leq 0.5\%$ .
- Swing of the basket:  $\leq 0.5\text{mm}$
- Deviation between rotating rod and dissolving cup shaft:  $\leq 1\text{mm}$
- Water bath temperature: Room temperature -45°C. (The heating temperature is optional up to 55°C)
- Temperature resolution: 0.01°C.
- Temperature control accuracy of water bath: 0.2°C.
- Temperature control accuracy of dissolving medium: 0.2°C.
- Dosing mode: Simultaneous dosing.
- Lifting system: Bamboo square column lifting.
- Authority management: Three levels, seven users.
- Audit trail: 128 items x366 days.
- Operating noise:  $< 60\text{db}$
- Environmental condition: Ambient temperature 5-37 °C, relative humidity  $\leq 80\%$ .



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- Safety performance: In line with national industry standards, with self-test and automatic protection functions.
- Power source: 220V, 50Hz

**\* Additional optional items need to be purchased separately.**