



DISSOLUTION TESTER

RC-1-----

RC-3-----

ZRS-3ST-----

RC-6/6D-----

ZRS-6ST-----

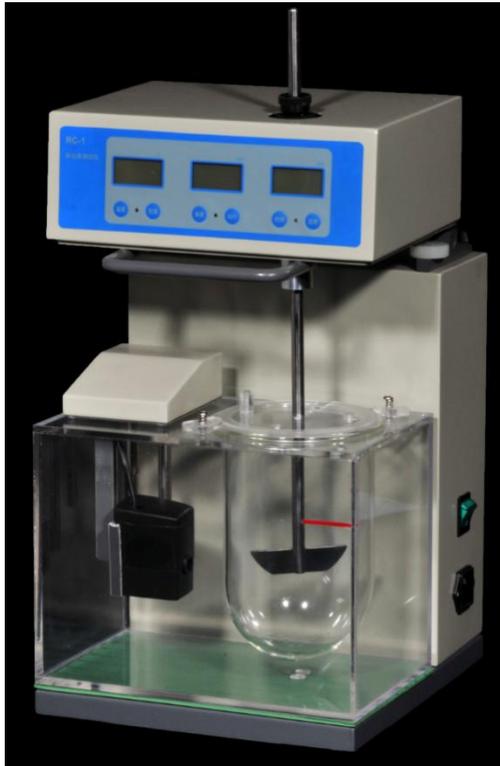
RC-8/8D-----

RC-8DS-----

ZRS-8ST-----

ZRS-12S-----

RC-1 DISSOLUTION TESTER



RC series of instruments are used for detecting velocity and extent of pharomic dissolution from tablet, capsule etc in prescriptive menstruum.

Applicable standards:

- National standard(Chinese codex) /2015
- Industry standard(Dissolution tester)JB/T 20105-2007

Features:

- It has one vessels and one poles arranged on one line.
- The head part of the instrument can be artificially turned over smoothly and flexibly.
- The basket units and paddle units are made of imported stainless steel (SUS316L).
- The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
- A MPU is used in dissolution tester to automatically control the temperature, rotational speed and time, and the parameters can be preset at any time.
- It can be operated conveniently by keystroke. The measurement result is displayed by LCD. The preset and real data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.

Specifications:



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- Speed range (20~200)rpm
- Speed accuracy ± 2 rpm
- Temperature range ambient to $+45.0^{\circ}\text{C}$
- Temperature Stability $\pm 0.3^{\circ}\text{C}$
- Preset timing nine points (5~900)min
- Time accuracy ± 0.5 mm
- Paddle radial run-out ± 0.5 mm
- Basket radial run-out ± 1.0 mm
- Power 220V/50Hz/600W or 110V/60Hz/600W
- Dimension (260*300*480)mm³

RC-3 DISSOLUTION TESTER



RC series of instruments are used for detecting velocity and extent of pharomic dissolution from tablet, capsule etc in prescriptive menstruum.

Applicable standards:

National standard(Chinese codex) /2015

Industry standard(Dissolution tester)JB/T 20105-2007

Features:

1. It has three vessels and three poles arranged on one line.
2. The head part of the instrument can be artificially turned over smoothly and flexibly.
3. The basket units and paddle units are made of imported stainless steel (SUS316L).
4. The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
5. A MPU is used in dissolution tester to automatically control the temperature, rotational speed and time, and the parameters can be preset at any time.
6. It can be operated conveniently by keystroke. The measurement result is displayed by LCD. The preset and real data can be displayed alternately in time.
7. Automation: auto-test, auto-diagnose, auto-alarm.

Specifications:

Speed range (20~200)rpm

Speed accuracy ± 2 rpm

Temperature range ambient to $+45.0^{\circ}\text{C}$

Temperature Stability $\pm 0.3^{\circ}\text{C}$

Preset timing nine points (5~900)min

Time accuracy ± 0.5 mm

Paddle radial run-out ± 0.5 mm

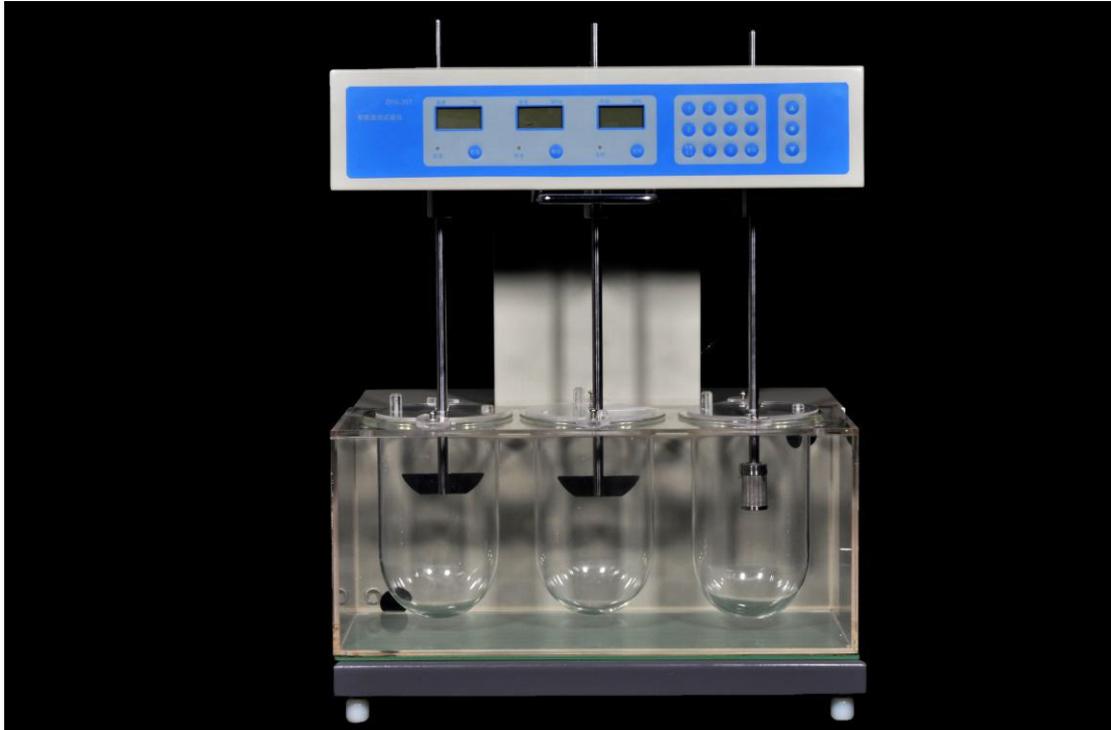
Basket radial run-out ± 1.0 mm

Power 220V/50Hz/600W or 110V/60Hz/600W

Dimension (510*300*480)mm³



ZRS-3ST DISSOLUTION TESTER



Range of application

It's used to examine the dissolving speed and degree of solid preparations like drug tablets or capsules in the specified solvents. ZRS-3ST dissolution tester is a kind of new type drug dissolution tester which is developed and produced by our company; it adopts classical modeling design and is featured by high cost performance, stability, reliability, simple operation and durability.

Main features:

1. ZRS-3ST is a double-functional model with electric lifting head and head overturn; it only needs to manipulate the keyboard when paddle rod or basket rod is replaced, the head can be lifted automatically; the head can be overturned continuously based on the lifted head to make the work of paddle change more convenient and handy.
2. Available for installation of 3 basket rods or paddle rods.
3. Available for installation of 3 new dissolution cups with the height of 185mm and shading dissolution cups as well.
4. Friendly human-computer interface, with simple and convenient operation.
5. All the working parameters can be preset and saved automatically, without the need to set repeatedly when the instrument is started next time
6. Accurate rotating speed, steady operation and low energy consumption.
7. Thermostatic water bath adopts built-in integrated temperature sensor and new software and hardware temperature measurement and control mode, which is featured by



fast temperature rise and high precision; temperature deviation can be corrected with software conveniently.

8. Independent operation of startup, pause and reset for experimental timing.

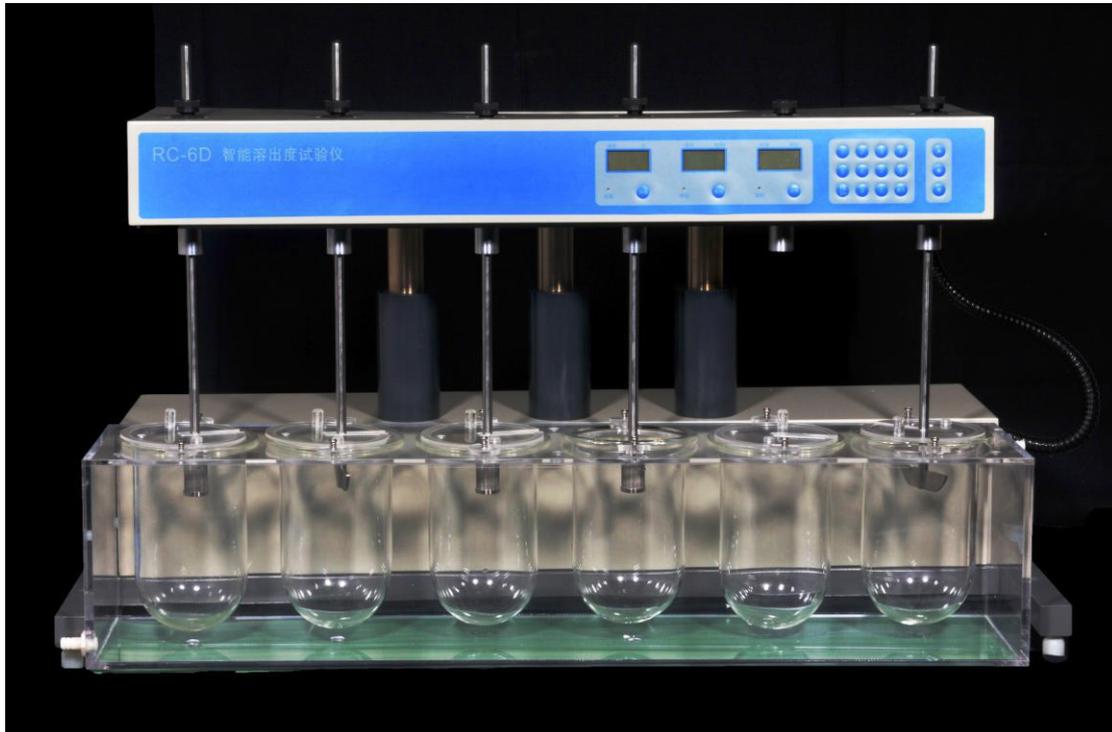
9. Automatic protection functions such as self-inspection fault alarm and over-temperature protection, etc.

10. The paddle rod, basket rod and basket turning body are all made of stainless steel material meet the requirements of Chinese Pharmacopoeia in quality and performance.

Main technical indexes of dissolution tester:

- Amplitude of swing of stirring paddle: $\leq 0.3\text{mm}$
- Amplitude of swing of rotation basket: $\leq 0.8\text{mm}$
- Deviation of rotating rod and axle of dissolution cup: $\leq 1\text{mm}$
- Speed adjustable range: 20-200 rpm
- Rotating speed resolution: 1 time/min
- Water bath temperature adjustment range: room temperature: -45°C
- Temperature resolution: 0.1°C
- Temperature control accuracy: $\pm 0.3^{\circ}\text{C}$
- Number of sampling periods: 9 different sampling periods can be preset.
- Time of sampling period: 1-999min optional for each period, 9 sampling periods can be counted down by sections.
- Timing error: $\pm 0.5\text{min}$
- Pharmacopoeia parameter calling: The instrument saves 300 dissolution test parameters in Chinese Pharmacopoeia, which can be called randomly.
- Large screen liquid crystal display and intelligent menu operation.
- The head can lift and descend automatically and attaches overturn function (a model whose control is very convenient).
- Electronic sensor can monitor the temperatures of various point of water bath case.
- Standard configuration: 3 paddles and 3 cups
- Electrical heating power: 500W

RC-6/6D DISSOLUTION TESTER



RC series of instruments are used for detecting velocity and extent of pharmic dissolution from tablet, capsule etc in prescriptive menstruum.

Applicable standards:

- National standard(Chinese codex) /2015
- Industry standard(Dissolution tester)JB/T 20105-2007

Features:

- It has eight vessels and six poles, with six vessels and six poles in front.
- The head part of the instrument can be artificially turned over smoothly and flexibly.
- The basket units and paddle units are made of imported stainless steel (SUS316L).
- The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
- A MPU is used in dissolution tester to automatically control the temperature, rotational speed and time, and the parameters can be preset at any time.
- It can be operated conveniently by keystroke. The measurement result is displayed by LCD. The preset and real data can be displayed alternately in time.
- Automation: auto-test, auto-diagnose, auto-alarm.
- It can test by self and alarm automatically. The dissolution parameters of Chinese codex 2000'are stored in and can be taken out at anytime.



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- Time can be preset at many points. The beeper sounds automatically to any point, and then the tester automatically runs to the next one.

Specifications:

- Speed range (20~200)rpm
- Speed accuracy ± 1 rpm
- Temperature range ambient to $+45.0^{\circ}\text{C}$
- Temperature Stability $\pm 0.3^{\circ}\text{C}$
- Preset timing nine points (1~999)min
- Time accuracy ± 0.5 mm
- Paddle radial run-out ± 0.5 mm
- Basket radial run-out ± 1.0 mm
- Power 220V/50Hz/1200W or 110V/60Hz/1200W
- Dimension (960*320*480)mm³



ZRS-6ST DISSOLUTION TESTER



Range of application

It's used to examine the dissolving speed and degree of solid preparations like drug tablets or capsules in the specified solvents. ZRS-6ST dissolution tester is a kind of new type drug dissolution tester which is developed and produced by our company; it adopts classical modeling design and is featured by high cost performance, stability, reliability, simple operation and durability.

Main features:

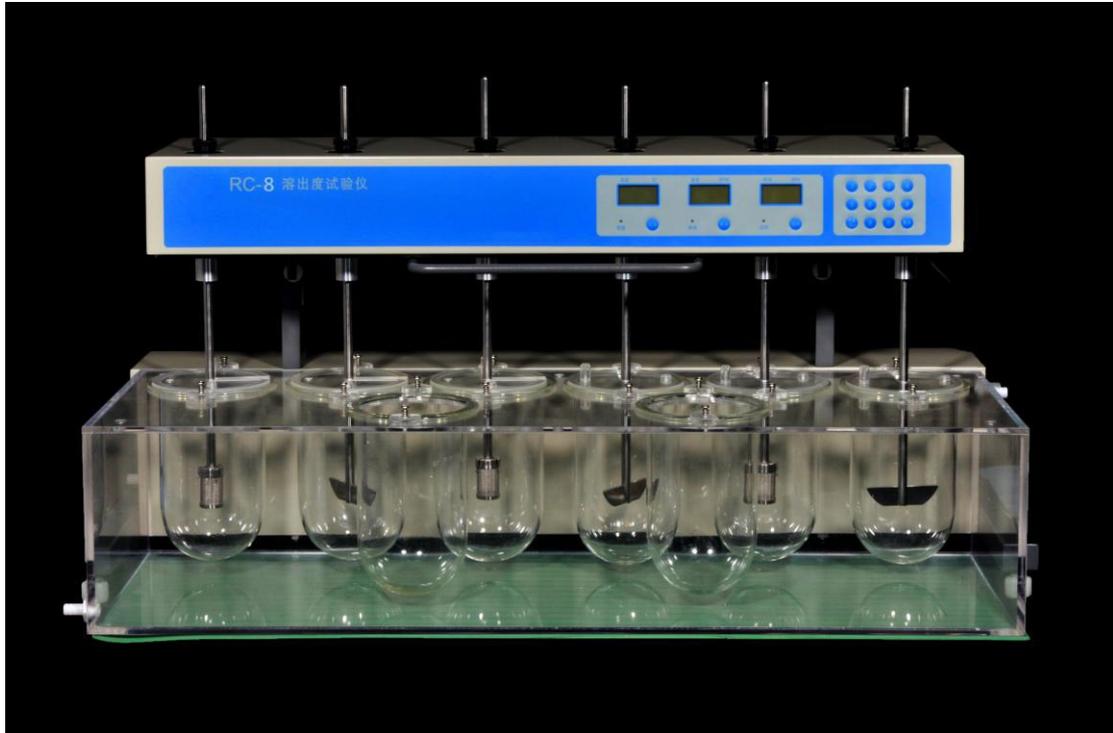
- ZRS-6ST is a double-functional model with electric lifting head and head overturn; it only needs to manipulate the keyboard when paddle rod or basket rod is replaced, the head can be lifted automatically; the head can be overturned continuously based on the lifted head to make the work of paddle change more convenient and handy.
- Available for installation of 6 basket rods or paddle rods.
- Available for installation of 6 new dissolution cups with the height of 185mm and shading dissolution cups as well.
- Friendly human-computer interface, with simple and convenient operation.
- All the working parameters can be preset and saved automatically, without the need to set repeatedly when the instrument is started next time
- Accurate rotating speed, steady operation and low energy consumption.

- Thermostatic water bath adopts built-in integrated temperature sensor and new software and hardware temperature measurement and control mode, which is featured by fast temperature rise and high precision; temperature deviation can be corrected with software conveniently.
- Independent operation of startup, pause and reset for experimental timing.
- Automatic protection functions such as self-inspection fault alarm and over-temperature protection, etc.
- The paddle rod, basket rod and basket turning body are all made of stainless steel material meet the requirements of *Chinese Pharmacopoeia* in quality and performance.

Main technical indexes of dissolution tester:

- Amplitude of swing of stirring paddle: $\leq 0.3\text{mm}$
- Amplitude of swing of rotation basket: $\leq 0.8\text{mm}$
- Deviation of rotating rod and axle of dissolution cup: $\leq 1\text{mm}$
- Speed adjustable range: 20-200 rpm
- Rotating speed resolution: 1 time/min
- Water bath temperature adjustment range: room temperature: -45°C
- Temperature resolution: 0.1°C
- Temperature control accuracy: $\pm 0.3^{\circ}\text{C}$
- Number of sampling periods: 9 different sampling periods can be preset.
- Time of sampling period: 1-999min optional for each period, 9 sampling periods can be counted down by sections.
- Timing error: $\pm 0.5\text{min}$
- Pharmacopoeia parameter calling : The instrument saves 300 dissolution test parameters in *Chinese Pharmacopoeia*, which can be called randomly.
- Large screen liquid crystal display and intelligent menu operation.
- The head can lift and descend automatically and attaches overturn function (a model whose control is very convenient).
- Electronic sensor can monitor the temperatures of various point of water bath case.
- Standard configuration: 6 paddles and 6 cups
- Electrical heating power: 1100W

RC-8/8D DISSOLUTION TESTER



RC series of instruments are used for detecting velocity and extent of pharmic dissolution from tablet, capsule etc in prescriptive menstruum.

Applicable standards:

National standard(Chinese codex) /2013

Industry standard(Dissolution tester)JB/T 20105-2007

Features:

1. It has eight vessels and six poles, with six vessels and six poles in front and other two vessels at back.
2. The head part of the instrument can be artificially turned over smoothly and flexibly.
3. The basket units and paddle units are made of imported stainless steel (SUS316L).
4. The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
5. A MPU is used in dissolution tester to automatically control the temperature, rotational speed and time, and the parameters can be preset at any time.
6. It can be operated conveniently by keystroke. The measurement result is displayed by LCD. The preset and real data can be displayed alternately in time.
7. Automation: auto-test, auto-diagnose, auto-alarm.



8. It can test by self and alarm automatically. The dissolution parameters of 'Chinese codex 2010' are stored in and can be taken out at anytime.
9. Time can be preset at many points. The beeper sounds automatically to any point, and then the tester automatically runs to the next one.

Specifications:

Speed range (20~200)rpm

Speed accuracy ± 2 rpm

Temperature range ambient to $+45.0^{\circ}\text{C}$

Temperature Stability $\pm 0.3^{\circ}\text{C}$

Preset timing nine points (1~999)min

Time accuracy ± 0.5 mm

Paddle radial run-out ± 0.5 mm

Basket radial run-out ± 1.0 mm

Power 220V/50Hz/1200W or 110V/60Hz/1200W Dimension (960*440*480)mm³

RC-8DS DISSOLUTION TESTER



RC series of instruments are used for detecting velocity and extent of pharmic dissolution from tablet, capsule etc in prescriptive menstruum.

Applicable standards:

National standard(Chinese codex) /2015

Features:

1. It has eight vessels and eight poles, with four vessels and four poles in front and other at back.
2. The head moves up/down automatically.
3. The basket units and paddle units are made of imported stainless steel (SUS316L).
4. The magnetism-pumped circular water current can heat the system evenly, and the bath liquid can achieve an equal temperature.
5. A MPU is used in dissolution tester to automatically control the temperature, rotational speed and time, and the parameters can be preset at any time.
6. It can be operated conveniently by keystroke. The measurement result is displayed by LCD. The preset and real data can be displayed alternately in time.
7. Automation: auto-test, auto-diagnose, auto-alarm.



8. It can test by self and alarm automatically. The dissolution parameters of 'Chinese codex 2015' are stored in and can be taken out at anytime.
9. Time can be preset at many points. The beeper sounds automatically to any point, and then the tester automatically runs to the next one.

Specifications:

Speed range (20~200)rpm

Speed accuracy ± 2 rpm

Temperature range ambient to $+45.0^{\circ}\text{C}$

Temperature Stability $\pm 0.3^{\circ}\text{C}$

Preset timing nine points (1~999)min

Time accuracy $\pm 0.3\%$

Paddle radial run-out ± 0.5 mm

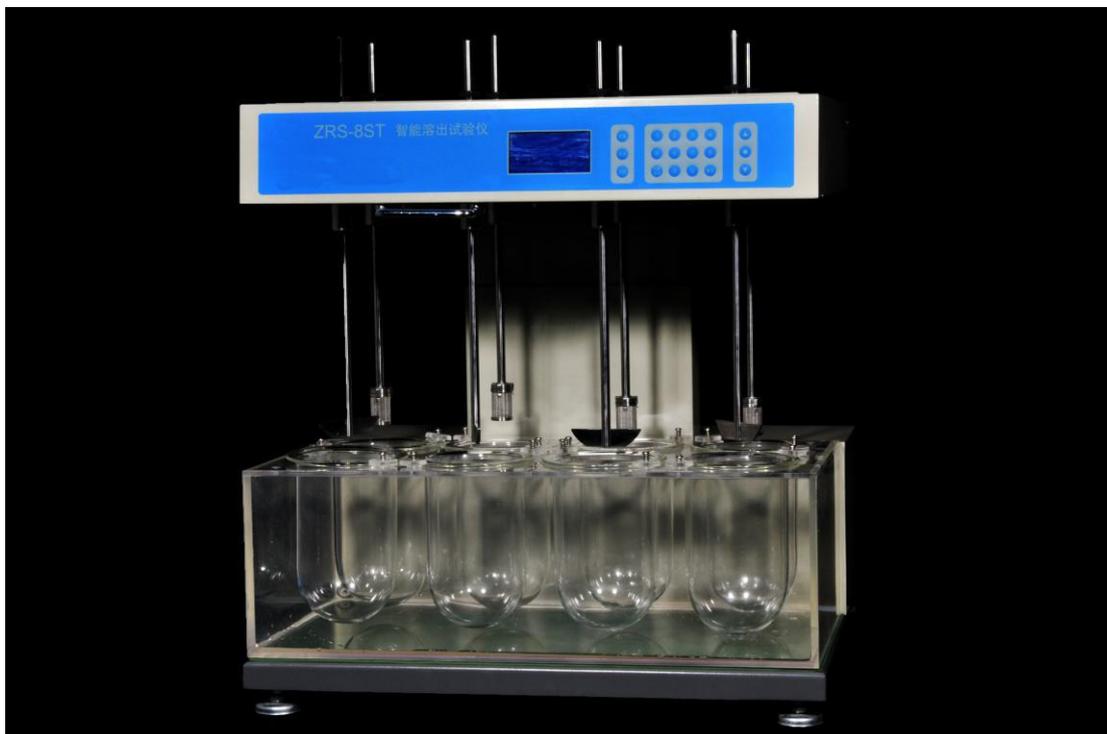
Basket radial run-out ± 1.0 mm

Power 220V/50Hz/1200W or 110V/60Hz/1200W

Dimension (680*540*480)mm³



ZRS-8ST DISSOLUTION TESTER



Range of application

It's used to examine the dissolving speed and degree of solid preparations like drug tablets or capsules in the specified solvents. ZRS-8ST dissolution tester is a kind of new type drug dissolution tester which is developed and produced by our company; it adopts classical modeling design and is featured by high cost performance, stability, reliability, simple operation and durability.

Main features:

- ZRS-8ST is a double-functional model with electric lifting head and head overturn; it only needs to manipulate the keyboard when paddle rod or basket rod is replaced, the head can be lifted automatically; the head can be overturned continuously based on the lifted head to make the work of paddle change more convenient and handy.
- Available for installation of 8 basket rods or paddle rods.
- Available for installation of 8 new dissolution cups with the height of 185mm and shading dissolution cups as well.
- Friendly human-computer interface, with simple and convenient operation.
- All the working parameters can be preset and saved automatically, without the need to set repeatedly when the instrument is started next time
- Accurate rotating speed, steady operation and low energy consumption.



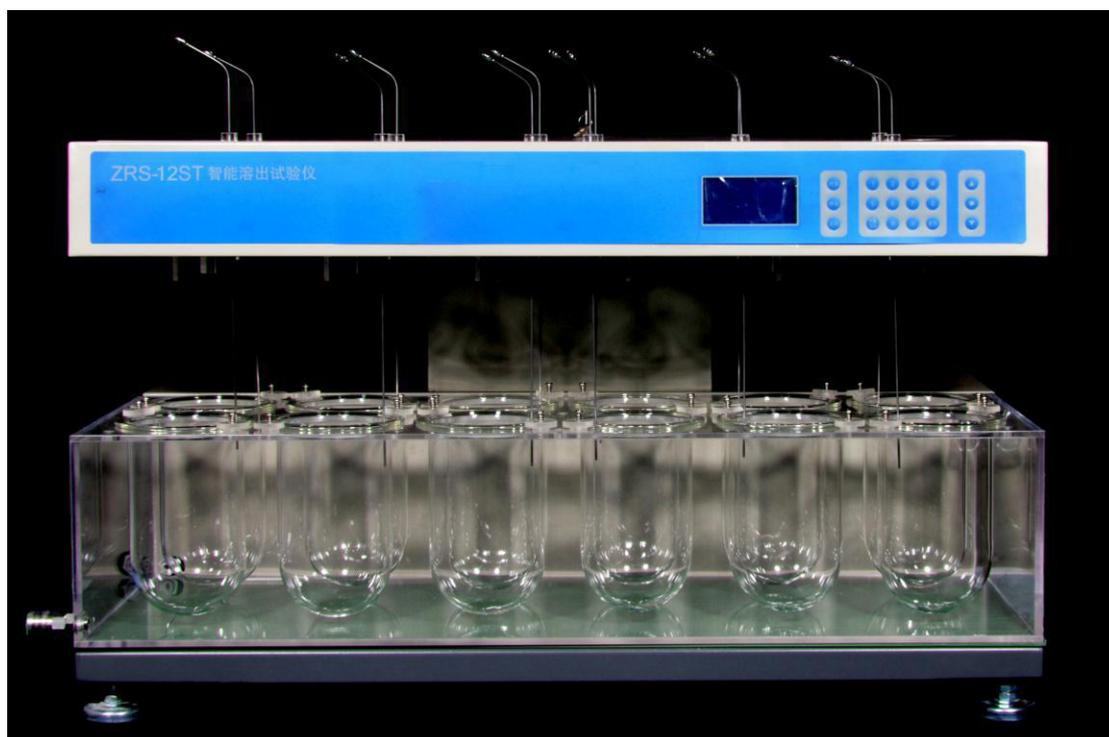
- Thermostatic water bath adopts built-in integrated temperature sensor and new software and hardware temperature measurement and control mode, which is featured by fast temperature rise and high precision; temperature deviation can be corrected with software conveniently.
- Independent operation of startup, pause and reset for experimental timing.
- Automatic protection functions such as self-inspection fault alarm and over-temperature protection, etc.
- The paddle rod, basket rod and basket turning body are all made of stainless steel material meet the requirements of *Chinese Pharmacopoeia* in quality and performance.

Main technical indexes of dissolution tester:

1. Amplitude of swing of stirring paddle: $\leq 0.3\text{mm}$
2. Amplitude of swing of rotation basket: $\leq 0.8\text{mm}$
3. Deviation of rotating rod and axle of dissolution cup: $\leq 1\text{mm}$
4. Speed adjustable range: 20-200 rpm
5. Rotating speed resolution: 1 time/min
6. Water bath temperature adjustment range: room temperature: -45°C
7. Temperature resolution: 0.1°C
8. Temperature control accuracy: $\pm 0.3^{\circ}\text{C}$
9. Number of sampling periods: 9 different sampling periods can be preset.
10. Time of sampling period: 1-999min optional for each period, 9 sampling periods can be counted down by sections.
11. Timing error: $\pm 0.5\text{min}$
12. Pharmacopoeia parameter calling : The instrument saves 300 dissolution test parameters in *Chinese Pharmacopoeia*, which can be called randomly.
13. Large screen liquid crystal display and intelligent menu operation.
14. The head can lift and descend automatically and attaches overturn function (a model whose control is very convenient).
15. Electronic sensor can monitor the temperatures of various point of water bath case.
16. Standard configuration: 8 paddles and 8 cups
17. Small cup accessories can be optional.
18. Electrical heating power: 1100W



ZRS-12S DISSOLUTION TESTER



Range of application

It's used to examine the dissolving speed and degree of solid preparations like drug tablets or capsules in the specified solvents. ZRS-12S dissolution tester is a kind of new type drug dissolution tester which is developed and produced by our company; it adopts classical modeling design and is featured by high cost performance, stability, reliability, simple operation and durability.

Main features:

- ZRS-12S The head moves up/down automatically..
- Available for installation of 12 basket rods or paddle rods.
- Available for installation of 12 new dissolution cups with the height of 185mm and shading dissolution cups as well.
- Friendly human-computer interface, with simple and convenient operation.
- All the working parameters can be preset and saved automatically, without the need to set repeatedly when the instrument is started next time
- Accurate rotating speed, steady operation and low energy consumption.
- Thermostatic water bath adopts built-in integrated temperature sensor and new software and hardware temperature measurement and control mode, which is featured by fast temperature rise and high precision; temperature deviation can be corrected with software conveniently.

- Independent operation of startup, pause and reset for experimental timing.
- Automatic protection functions such as self-inspection fault alarm and over-temperature protection, etc.
- The paddle rod, basket rod and basket turning body are all made of stainless steel material meet the requirements of *Chinese Pharmacopoeia* in quality and performance.

Main technical indexes of dissolution tester:

- Amplitude of swing of stirring paddle: $\leq 0.3\text{mm}$
- Amplitude of swing of rotation basket: $\leq 0.8\text{mm}$
- Deviation of rotating rod and axle of dissolution cup: $\leq 1\text{mm}$
- Speed adjustable range: 20-200 rpm
- Rotating speed resolution: 1 time/min
- Water bath temperature adjustment range: room temperature: -45°C
- Temperature resolution: 0.1°C
- Temperature control accuracy: $\leq \pm 0.3^{\circ}\text{C}$
- Number of sampling periods: 9 different sampling periods can be preset.
- Time of sampling period: 1-999min optional for each period, 9 sampling periods can be counted down by sections.
- Timing error: $\pm 0.5\text{min}$
- Pharmacopoeia parameter calling : The instrument saves 300 dissolution test parameters in *Chinese Pharmacopoeia*, which can be called randomly.
- Large screen liquid crystal display and intelligent menu operation.
- The head can lift and descend automatically and attaches overturn function (a model whose control is very convenient).
- Electronic sensor can monitor the temperatures of various point of water bath case.
- Standard configuration: 12 paddles and 12 cups
- Electrical heating power: 1100W
- Overall dimensions: L*W*H 820mm*530mm*570mm
- Weight: 42KG