



## **DIS 6000 / DIS 8000**

### Dissolution Tester

- Rugged “no-nonsense” unit
- Complies with all Pharmacopeia requirements
- EasyCenter™ vessel centering system
- Printed test report on completion of run

# DIS 6000 / DIS 8000

Efficient and compact in design, the DIS 8000 and DIS 6000 dissolution testers are solid “no-nonsense” with eight, respectively six stirred vessels. They are simple to use and an ideal solution for both R&D and routine quality control applications. Both instruments meet all current Pharmacopeia requirements – ensuring ease of regulatory compliance.

## SIMPLE DESIGN

The DIS 8000 and DIS 6000 disintegration testers have been designed to maximize visibility and access in the critical sampling area above the water bath. Particular emphasis has been placed on those factors affecting eccentricity, alignment and centering in order to reduce the number of parts used and hence keep the machine variables at a minimum.

Operating the units is simple and number of actions necessary to perform a test is kept to a minimum. Once the test sequence has been initiated, all that is necessary to start the test is to input the rpm and nominal temperature required, together with the duration of the test and the report interval.

## SPEED AND TEMPERATURE

An electronic speed control for up to 200 rpm is provided with its own digital closed loop circuitry which guarantees an accuracy of  $\pm 2\%$  by automatically checking and compensating for any drift from the preset speed twice every second. The heater / circulator has an accuracy of  $\pm 0.1\text{ }^{\circ}\text{C}$  ensuring a constant and even distribution of heat throughout the bath. It is fitted with an adjustable over-temperature cut-out and alarm indicator as standard. Both bath and vessel temperatures can be constantly monitored using PT100 temperature probe. Speed and temperature can be logged at user-programmed intervals throughout the test for subsequent printing.



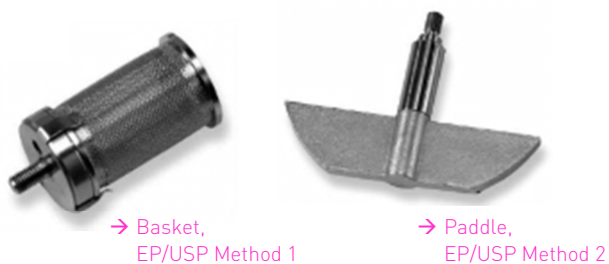
→ DIS 6000, with 6 stirred vessels



→ DIS 8000, with 8 stirred vessels

## BASKETS AND PADDLES

Both models are equipped with precision ground drive shafts that will accept any of the baskets, paddles or rotating cylinders described in the respective Pharmacopeia. Each individual basket / paddle can be raised, lowered or engaged individually and independent of the drive head. This feature is particularly useful in case of staggered starts. To gain maximum accessibility to the vessels at the end of a test, the baskets / paddles can be pushed upwards. The construction of the baskets and paddles are such that they are completely interchangeable. Simply screw in the appropriate element – no further height adjustment is necessary.



## VESSELS & EASYCENTER™

All testers are supplied with USP / EP compliant vessels and feature the unique EasyCenter™ system to ensure that the vessels are perfectly centered every time. Standard vessels are easily locked into correct position, relative to the drive shafts. The fixture is designed such that once secured, the vessels will not become loose or float, even when empty.



→ EasyCenter™ vessel centering system

## AUTOMATIC TABLET DROP

Optionally, tablets are placed in a series of chambers on the dissolution vessel lids and ejected into the vessels simultaneously at the start of a test.

## WATER BATH

The one-piece vacuum formed water bath is constructed in rigid PETG and has been specifically designed to make it easier to clean.

## CALIBRATION

Routine calibration is an essential part of your operation. Therefore a calibration menu guides the user through the various functions and provides a printed report at the end of the operation.

For easy temperature calibration, an electronic calibration kit with UKAS certified test keys is available. The test keys are simply plugged into the PT100 temperature probe socket to perform the calibration.

## ADDITIONAL OPTIONS

- Laser numbering and certification of stirring elements
- Numbering and certification of vessels
- Gold-plated baskets / paddles for aggressive media
- Amber coated UV-resistant vessels and lids
- Low evaporation membrane sealed vessel lids
- Electronic temperature calibration kit

## Technical Specifications

		<b>DIS 6000</b>	<b>DIS 8000</b>
<b>Vessels</b>	Number	6	8
	Centering	EasyCenter™	EasyCenter™
	Support plate	316 stainless steel, Teflon-coated	316 stainless steel, Teflon-coated
<b>Speed</b>	Range	0 – 200 rpm	0 – 200 rpm
	Accuracy	+/- 2%	+/- 2%
<b>Heater / Circulator</b>	Accuracy	+/- 0.1°C	+/- 0.1°C
	Self-priming	Yes	Yes
	Over-temperature cut-out	Yes	Yes
	Power consumption	1'350 W	950 W
<b>Display</b>		4 x 20 digit LCD	4 x 20 digit LCD
<b>Report data</b>		Time, date, bath ID, serial number, date of calibration, speed & temperature at operator-selectable time intervals during test	Time, date, bath ID, serial number, date of calibration, speed & temperature at operator-selectable time intervals during test
<b>Interface</b>	Type	RS 232	RS 232
	Printer	parallel	parallel
<b>Testing time</b>	Max. testing time	99hours 59 minutes	99hours 59 minutes
	Pause test	Yes	Yes
<b>Dimensions</b>	Width	450 mm	450 mm
	Depth	650 mm	650 mm
	Height	650 mm	650 mm
<b>Weight</b>		approx. 32 kg	approx. 32 kg

Technical specifications are subject to change without prior notice. Products illustrated in this document may include options or modifications not fitted as standard. No liability for errors and omissions.