

## PTSW-0

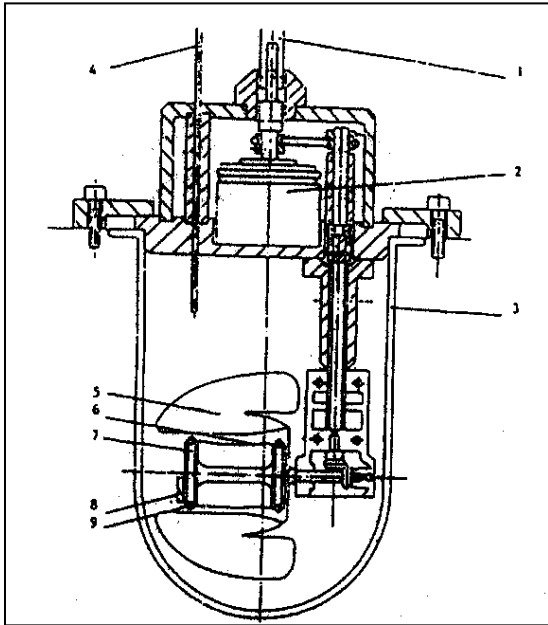
### Suppository Dissolution Test Cell (Rotating Dialysis Cell)

The PTSW-0 Suppository Dissolution Test Cell (Rotating Dialysis Cell) is placed into a normal USP type dissolution vessel placed into a dissolution bath to test the rate of dissolved active of suppositories and lipophilic carriers.



#### Construction

The cell is emerged in the dissolution vessel. It is developed for the study of drug release from hydrophobic carrier preparations, such as suppositories. It encloses a small volume (max. 30ml) of inner fluid by means of a dialysis membrane. The cell itself rotates horizontally in a larger volume of test media which has the same pH as the inner volume. The sample is inside the inner cell. The rotating speed is reduced in a rotation of 2:1. The active dissolves through the membrane into the outer phase and can be measured therein using common technology like UV/VIS. It is proved that the cell is a suitable tool to study factors which may influence the dissolution and absorption of controlled release formulations.



### Cell Design

- 1 Drive shaft
- 2 Reduction gear drive
- 3 USP glass vessel
- 4 Thermometer
- 5 Agitator blade
- 6 Dialysis membrane
- 7 O-ring
- 8 Dialysis cell
- 9 Plastic insert supporting membrane

The PTSW 0 can be used inside the Dissolution Bath types PTWS120D/S, PTWS 300/310, PTWS 600/610, PTWS 820D and 1200/1210/1220.

### Advantages

- » Can be used in a common dissolution bath having a suitable drive system (drive shaft design made to fit into PTAG Dissolution Baths only)
- » Easy to operate and set-up

### Features

- » Variable rotation speed, using reduction gear
- » Use it in every PTWS

### Standard Scope of Supply

Complete PTSW-0 Suppository Dissolution Test Cell (part. no. 39-00502)

## Technical Specifications

Parameter	Specification
Cell rotation speed	5 - 60 rpm
Drive gear	Speed reduction ratio 2.1
Filter membrane	Typical: Millipore Durapor HPVL 0.45 $\mu\text{m}$

We reserve the right to make technical changes without any prior notice.