

The high-performance **DIRECT DRIVEN STIRRER** with its advanced features & stylish & user-friendly design

# FTDS/FTDSS series models



FTDS/FTDSS series

### **Usage**

The excellent device to stir and mix between various liquids, between a liquid and a solid, or powders. Emulsifying, blending, dispersing, etc of chemical, pharmaceutical, food and cosmetic products.

### **Special Features**

Rpm can be arbitrarily set, as a stepless electronic speed controller is installed. The equipment basically consists of a body, chuck, chuck handle, stainless steel bladed propeller(option), clamp(option), and a U-type stand(option).

### **FTDSS-20 / FTDSS-20D**

A stir bar that can be used with a chuck has the dimension of  $\varnothing 1\sim 10$ mm(millimeters). For the convenience of experimentation, the stir bar is designed to be able to move up and down.

A geared DC motor(50Watts) is used to produce a high output at low speeds.

Digital display renders an accurate measurement of the rpm.(FTDSS-20D).

An overload lamp is installed to protect the equipment from overloading.(FTDSS-20D).

### **FTDS-10**

A stir bar that can be used with a chuck has the dimension of  $\varnothing 1\sim 10$ mm(millimeters).

### **FTDS-41 / FTDS-41D**

A stir bar that can be used with a chuck has the dimension of  $\varnothing 1\sim 10$ mm(millimeters).

For the convenience of experimentation, the stir bar is designed to be able to move up and down.

### **FTDS-11 / FTDS-11D**

A stir bar that can be used with a chuck has the dimension of  $\varnothing 1\sim 10$ mm(millimeters).

For the convenience of experimentation, the stir bar is designed to be able to move up and down. Digital display renders an accurate measurement of the rpm.(FTDS-11D).

Integrated Controller type and disintegrated Controller type are available.(FTDS-11D).

### **FTDSH-10 / FTDSH-10D**

Products have low viscosity, so an exclusive impeller must be used for each product.

→ An exclusive impeller(Model No : FTIM-3 or FTIM-2) is basically provided.

For the convenience of experimentation, the stir bar is designed to be able to move up and down.

Digital display renders an accurate measurement of the rpm.

Digital display renders an accurate measurement of the rpm.(FTDS-11D).

Integrated Controller type and disintegrated Controller type are available.(FTDS-11D).

### **Specifications**

MODEL	USE	MOTOR/RPM	INDICATOR	VOLTAGE
FTDS-90D	Middle/High	DC 90W/50-1,000	Digital display	115V or 230V
FTDS-90	Middle/High	DC 90W/50-1,000		115V or 230V
FTDS-70D	Middle viscosity	DC 70W/50-1,000	Digital display	115V or 230V
FTDS-70	Middle viscosity	DC 70W/50-1,000		115V or 230V
FTDSS-20	Middle viscosity	DC 50W/50-1,000		115V or 230V
FTDSS-20D	Middle viscosity	DC 50W/50-1,000	Digital display	115V or 230V
FTDSS-20W	Middle/High	DC 120W/50-1,000		115V or 230V
FTDSS-20DW	Middle/High	DC 120W/50-1,000	Digital display	115V or 230V
FTDS-10	Low viscosity	DC 30W/50-4,000		115V or 230V
FTDS-10D	Low viscosity	DC 200W/50-11,000	Digital display	115V or 230V
FTDS-11	Low viscosity	DC 50W/50-3,000		115V or 230V
FTDS-11D	Low /Mviscosity	DC 50W/50-3,000	Digital display	115V or 230V
FTDS-41D	Low /Mviscosity	DC 100W/50-1,000	Digital display	115V or 230V



## IMPELLER

## SPECIFICATIONS

IMPELLER NO	SHAFT (∅)	SHAFT LENGTH(mm)	SHAFT SIZE(∅)
FTIM-1	8∅	350 or 450	40
FTIM-2	8∅	350 or 450	50
FTIM-3	8∅	350 or 450	40 or 60
FTIM-4	8∅	450	90
FTIM-5	8∅	450	70
FTIM-6	8∅	450	100
FTIM-7	8∅	450	60~90
FTIM-8	8∅	450	80
FTIM-9	8∅		65
FTIM-10	8∅		75
FTIM-11	8∅		90
FTIM-12	8∅	There are difference according to customers orders	
FTIM-13	8∅		
FTIM-14	8∅		
FTIM-15	8∅		
FTIM-16	8∅		

**STAND BASE**



H-type(FTU-100)    U-type(FTH-100)

<b>Model</b>	<b>FTH-100</b>	<b>FTU-100</b>
Length	900mm	820mm
Weight	12kg	6.8kg