

Flow-Through Cell Dissolution Tester Closed Loop with Auto Sampling



EFD-07

Features:

- Complies with USP and Ph. Eur. Specifications
- Valveless ceramic pump heads
- Seven flow through cell stations
- User friendly intuitive touch screen interface
- 1000 programmable protocols
- Automatic flow rate adjustment for individual channels
- Program support for gravimetric flow validation and calibration of individual channel
- Individual cell temperature monitor
- Isolated water circulating pump for precise
- Temperature control of the water bath
- Embedded printer for printing reports
- Ideal for dissolution testing of tablets, capsules, implants, suspensions, drug-eluting stents, ointments, creams, micro spheres and other sustained release dosage forms
- Visual indication of status : Idle, Run, Error

Specifications:

Model	EFD-07 (Closed Loop with Auto Sampling)
Touch screen display	7"
Bath temperature	20°C to 45°C (Accuracy : ± 0.1°C) Extended temperature range from 10°C to 65°C
Temperature probe	1 no. (external)
Piston pump stroke rate	120 strokes/min (Accuracy : ± 1 stroke)
Programmable flow rate for individual channel	2 ml/min to 32 ml/min (Accuracy : ± 5%)
Dimensions (L x W x H)	1540 mm x 750 mm x 700 mm
Electrical power	220/230 VAC, 50/60 Hz, 600 W/6 Amp 110 VAC, 50/60 Hz, 600 W/6 Amp
Weight	74 Kg (Approx)

Ordering information:

Products		
Product code	Description	Quantity
1420400	EFD-07 Closed Loop with Syringe Pump and Dx Sample Collector Including Media Manager	1

Standard Accessories		
Product code	Description	Quantity
1401A00049	EFD Cell Jacket Assembly	7
1401A00058	EFD PTFE Tube Size 3.2mm OD - Length 1200mm	1
1401A00010	EFD ruby beads (5 mm)	7
1401A00002	Glass bead (1 mm)	200 gm
1401A00020	EFD Funnel	1
1401A00019	Dummy Cell Assembly (for cleaning purpose)	7

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Ordering information:

Optional Accessories		
Product code	Description	Quantity
1401A00001	EFD Reverse Dialysis Adapter Assembly (Set of 7) - S Type	1
1401A00008	EFD Reverse Dialysis Adopter Assembly (Set of 7)	1
1401A00009	EFD Flangeless Ferrule – Black (Set of 14)	1
1401A00014	EFD Media Selector	1
1401A00015	EFD Bath Temperature Card – 20C to 55C	1
1401A00016	EFD Flow Through Cell for Cream & Ointment (Set of 7)	1
1401A00116	EFD Media Selector Manifold	1
1401A00115	EFD Water Bath (Ver.3)	1
1401A00109	EFD Advanta Flex Tubing 4.76mm x 7.95mm For Media Selector	1
1401A00108	EFD-Scoop 22.6 mm	1
1401A00107	EFD Cell Holder	1
1401A00106	EFD Water Bath (Ver.2)	1
1401A00101	EFD-07 Front Output Manifold	1
1401A00100	EFD Close Loop Bottle Cap Assembly Including Max.Length Cannula with Flange less Nut & Ferule (Set Of 7)	1
1401A00099	EFD O Ring ID 7.2 x 1.8 Cord (Set of 7)	1
1401A00098	EFD O Ring ID 26.7 x 1.78 Cord (Set of 7)	1
1401A00097	EFD O Ring ID 6.3 x 1.8 Cord (Set of 7)	1
1401A00095	EFD O Ring ID 42.52 x 2.62 Cord (Set of 7)	1
1401A00094	EFD O Ring ID 25.12 x 1.78 Cord (Set of 7)	1
1401A00093	EFD O Ring ID 12.42 x 1.78 Cord (Set of 7)	1
1401A00092	EFD O Ring ID 26.64 x 2.62 Cord (Set of 7)	1
1401A00091	EFD O Ring ID 6.5 x 1.8 Cord (Set of 7)	1
1401A00090	EFD O Ring ID 8.92 x 1.83 Cord (Set of 7)	1
1401A000881	EFD-07-75ml Glass Vial Tray Back	1
1401A00080	EFD-07 Validation Kit	1
1401A00076	Semi Solid Adaptor for EFD (set of 7)	1
1401A00075	EFD-07 Temp Cal Cap Assy Probe	1
1401A00017	EFD Adapter for Float-A-Lyzer in 22.6 mm Cell (Set of 7)	1
1401A00071	EFD-07 Cell Kit	1
1401A00069	EFD Up Gradation From Open Loop to Close Loop	1
1401A00068	EFD-07-75ml Glass Vial Tray Front	1
1401A00067	EFD-07 Cell unit STX Comp	1
1401A00061	EFD Silicon Tubing 5 MM ID X 8 MM OD	1
1401A00060	EFD 3.2mm Ferrule (Set of 7)	1
1401A00059	EFD Flange-less nut (Set of 7)	1
1401A00018	EFD Adapter for Float-A-Lyzer in 22.6 mm Cell (Set of 7) - S Type	1
1401A00057	EFD Cannula Fixed Height for 1000ml (Set of 7)	1
1401A00056	EFD Cannula Fixed Height for 500ml (Set of 7)	1
1401A00055	EFD Cannula Fixed Height for 250ml (Set of 7)	1
1401A00054	EFD Online Connector (Set of 7)	1
1401A00053	EFD Luer Lock -BSFTL6-210-6 - Female (Set of 7)	1
1401A00052	EFD Luer Lock - BSMRL6 - Male (Set of 7)	1
1401A00051	EFD Luer Lock - FSLLR-1 - Female (Set of 7)	1
1401A00050	EFD Cap For Cell Jacket	1
1401A00011	EFD Quick Release Coupling With Shut of Valve (Male & Female) (Set of 2)	1
1401A00048	EFD Pressure Diverter Unit	1
1401A00013	EFD Media Manager	1
1401A00030	EFD Acrylic Spacer (Set of 7)	1

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Ordering information:

Optional Accessories		
Product code	Description	Quantity
1401A00029	EFD O Rings for Cell – 45mm ID (Set of 21)	1
1401A00028	EFD O Rings for Cell – 28mm ID (Set of 21)	1
1401A00024	EFD O Rings for Cell – 8.5mm ID (Set of 21)	1
1401A00023	EFD Tapper for Glass Beads (Set of 2)	1
1401A00022	EFD Sieves – 40 Mesh for 12 mm ID Powder & Granule (Set of 10)	1
1401A00021	EFD Sieves – 40 Mesh for 22.6mm Cell (Set of 10)	1

Breakdown Parts		
Product code	Description	Quantity
1401B00040	EFD-07 Platinum Kit	1
1401B00039	EFD-07 Wiring Set	1
1401B00036	EFD Cell Cap Plug Assy	1
1401B00035	EFD-Circulation Coil	1
1401B00034	EFD-07 Cell Unit Assembly	1
1401B00033	EFD-07 Solenoid Valve	1
1401B00030	EFD-07 15Pin Communication Cable (EFD to Media Selector)	1
1401B00027	EFD-07 Temperature Probe Assembly with Box	1
1401B00026	EFD-07 Individual Temperature Probe PCB with Cable	1
1401B00025	EFD-07 Piston Pump	1
1401B00024	EFD-07 Processor Card with Thermal Cut off For 55 Degree	1
1401B00023	EFD-07 Encoder Kit	1
1401B00022	EFD-07 Heater – 110V	1
1401B00021	EFD-07 Heater – 230V	1
1401B00020	EFD-07 Circulation Pump – 24V	1
1401B00019	EFD-07 Thermal Cut-off	1
1401B00018	EFD-07 Bath Temperature Probe	1
1401B00017	EFD-07 Display	1
1401B00016	EFD-07 Display Card	1
1401B00015	EFD-07 Intermediate Card	1
1401B00014	EFD-07 Printer Supply Card	1
1401B00013	EFD-07 Stepper Motor – Flow Control	1
1401B00012	EFD-07 Controller Card – Flow Rate	1
1401B00011	EFD-07 Heater Driver Card	1
1401B00010	EFD-07 SMPS – 12V	1
1401B00009	EFD-07 SMPS – 24V	1
1401B00008	EFD-07 Stepper Motor – PPM	1
1401B00007	EFD-07 Motor Opto Card – PPM	1
1401B00006	EFD-07 Motor Driver Card – PPM	1
1401B00005	EFD-07 Compatch Card	1
1401B00004	EFD-07 Software Patch	1
1401B00003	EFD-07 Processor Card with Patch	1
1401B00002	EFD-07 Driver Card for Piston Pump	1
1401B00001	EFD Individual Temperature Probe (Set of 7)	1

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Ordering information:

Standard Accessories for EMR		
Product code	Description	Quantity
1401A00038	EMR Vessel Kit - 1Ltr (Set of 8)	1
1401A00062	EMR Magnetic candy for 1Ltr Vessel (Set of 8)	1
1401B00032	EMR Lift Assembly (Set of 8)	1
1401A00081	EMR Tube Housing Seal (set of 8)	1
1401A00082	EMR Replenishment Vessel (1000 ml)	1
1401A00083	Replenishment Tube Housing Assembly	1

Optional Accessories for EMR		
Product code	Description	Quantity
1401A00035	EMR Vessel Kit – 60mL (Set of 7)	1
1401A00063	EMR Magnetic candy for 60mL Vessel (Set of 8)	1
1401A00085	EMR 150 ml Jar (set of 7)	1
1401A00074	150ml Bottle For EMR (Set of 7)	1
1401A00086	EMR 500 ml Vessel (Set of 7)	1
1401A00065	EMR Magnetic candy for 500mL Vessel (Set of 8)	1
1401A00066	EMR Magnetic candy for 2Ltr Vessel (Set of 8)	1
1401A00087	EMR Manual Replenishment Tube Set	1
1401A00088	EMR Magnetic candy for 150mL Vessel (Set of 8)	1
1403000289	EMR Hood Assembly	1

Assurance Plan		
Product code	Description	Quantity
1408S03	Silver Assurance Plan for Flow Through Dissolution Tester Model EFD-07 Open/Closed with Offline Accessories	1
1408S02	Gold Assurance Plan for Flow Through Dissolution Tester Model EFD-07 Open/Closed with Offline Accessories	1
1408S01	Platinum Assurance Plan for Flow Through Dissolution Tester Model EFD-07 Open/Closed with Offline Accessories	1

IQ/OQ Document		
Product code	Description	Quantity
1404S15	IQ/OQ Document for EFD-07 Closed Loop with Syringe Pump and Dx Sample Collector Including Media Manager	1

Extended IQ/OQ Document		
Product code	Description	Quantity
E1404S15	Extended IQ/OQ for EFD-07 Closed Loop with Syringe Pump and Dx Sample Collector Including Media Manager	1

Extended Warranty Support Plan		
Product code	Description	Quantity
1404S32	Extended Warranty Support Plan for EFD-07 Closed Loop with SP and Dx Sample Collector Including Media Manager	1
1404S31	Extended Warranty Support Plan for EFD-07 Open/Closed with Offline Accessories	1

Inspection & Service Charges		
Product code	Description	Quantity
1408S06	Inspection & Service Charges for EFD-07 Open/Closed with Offline Accessories	1

Re-installation Charges Without IQ/OQ		
Product code	Description	Quantity
1408S10	Re-installation Charges without IQ/OQ for EFD-07 Open/Closed with Offline Accessories	1

Single Validation Charges		
Product code	Description	Quantity
1408S04	Single Validation Charges for EFD-07 Open/Closed with Offline Accessories	1

Rental Charges		
Product code	Description	Quantity
14201R15	Rental Charges for EFD-07 Closed Loop with Manual Syringe Sampling	1

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