Thin Film Evaporator MF-10A·10B·10C

For concentrating thermal denature, foamy and highly viscous materials.



Features

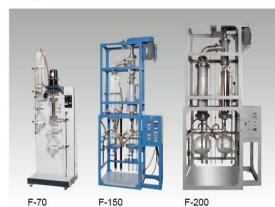
- Designed for the concentration or purification of thermally sensitive materials or viscous, high boiling point samples.
- The double-walled evaporator jacket is made of borosilicate glass and this makes it possible to visually observe the evaporation process.
- MF-10B with liquid surface level senser. MF-10C for Max. 180°C high temperature.

Specifications

Product name	Thin Film Evaporator					
Model	MF-10A	MF-10B	MF-10C 117460			
Cat. No.	117440	117450				
Rotation speed	140 ∼ 1200rpm (stepless)					
Evaporation capacity	1140mL/h (water)					
Ultimate vacuum	Vacuum pump capacity + 13.3hPa (1Torr)					
Temp. setting range	RT-	RT+5~180°C				
Rotaion setting & display	Volume setting & digital display					
Liquid surface monitor	<u> </u>	Liquid surface sensor	= 3			
Motor	DC brushless motor 60W					
Evaporation tube	Jacket type, eva	SUS 304				
Condenser	Vertical double helix condenser cooling erea 0.3 m ²					
Receiving flask	Condensation side 1L, evaporation side 1L with drain cock					
Heating	By hot water circulator (option)		Quartz mantle heater 800W			
Liquid contacting part	Borosilicate glass, Teflon or SUS 304					
Dimensions(mm) & weight	625W x 400D x 1416H 40kg					
Power source	150V	800VA AC100V				

Thin Film Evaporator F-70·150·200

Large scale thin film evaporator with max. capacity 40L/h



Features

- Continuous evaporation and collection is possible by drain cocks attached to collection vessels.
- Heating by hot water circulation in glass jacket evaporation tube realizes accurate temperature control and easy check of concentration status.
- Heating by steam is also possible (F-150 200).
- Heating time is controlled by unique control ring (PAT) to realize precise control of rotation speed and sample feeding; making the system suitable for evaporation of heat sensitive samples.

Specifications

Product name	Thin Film Evaporator						
Model	F-70	F-150		F-200			
Cat. No.	117590	117700		117710			
Rotation speed	140~1300rpm (stepless)	180~1800rpm (stepless)					
Evaporation capacity	1.5L/h	5.28L/h	20L/h	12L/h	40L/h		
Operating vacuum	2.5kPa	3.3kPa	8.0kPa	2.7kPa	6.0kPa		
Rotation axis seal	Non seal by magnetic coupling	Mechanical seal					
Evaporation tube	Glass jacket	SUS jacket					
Condenser	Vertical triple helix condenser cooling erea 0.5m ²	Vertical triple helix condenser cooling erea 1.33m ²		SUS multiple tube cooling erea 3.0m ²			
Receiving flask	3L x 2 (with drain cock)	10L x 2 (with drain cock)		20L x 2 (with drain cock)			
Heating	Hot water	Hot water	Steam	Hot water	Steam		
Liquid contacting part	Borosilicate glass, Teflon or SUS 304						
Dimensions(mm)	620W x 500D x 1970H	1150W x 600D x 2760H		1400W x 900D x 3050H			
Power source	200VA AC100V	3.2kVA 3Φ AC200V					