

Cat. No	Description	Articles
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LaboRactor™ 5~100 Lit Classic Vacuum Reactor Set, with Jacketed Glass Vessel/Agitator/Frame/Glass Assembly with DN O-ring Flange / PTFE-Impeller & -Drainvalve, Digital 50~1000rpm, 5~100 Lit 자켓 글라스 진공 반응조 셋트



■ Made in Korea

- ▶ **Graduated Double-wall Vacuum Glass Vessel, 5~100Lit**
 - 45° DN Flange & 5mm Thick High Boro-glass 3.3 with Good Physical, Chemical Properties.
 - PTFE Lid ; -80°C ~ +260°C ■ PTFE Drain Valve ; Aperture φ25mm, No-Dead Space
 - Can be Used Direct Contact Thermo-Probe "K-type"
 - Work in Constant Pressure and Vacuum Degree below 0.095MPa in stationary.
 - Cooling and Heating Solution in the Interlayer can be Completely Removed after Reaction.
- ▶ **High-Torque Digital Agitator System, 50~1000rpm(800rpm/100Lit)**
 - CE Certified ■ with Certificate & Traceability : Controlled by Serial Number
 - Patented Jog-Shuttle Control System ■ PL(Product Liability) Insurance
 - With Safety Flex-Coupling between Stir-Motor and PTFE Shaft, PTFE Impeller.
 - Digital LCD with Back-Light Function. •Smooth Start and Change of the Stirring Speed.
 - Storage Function for the set values : RPM and Timer •Chuck - Corrosion Free.
 - Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)

- ▶ **Heavier-work Assembly Frame System ; Fully Adjustable**
 - Material : OD φ27.2×thick 1.5/2.0mm Stainless-steel Pipe
 - with 4 Castors including 2 Lockable Castors. •80 / 100Lit : OD φ27.2×thick 2.0mm STS Pipe

Specification of (A) Reactor Set

Models	"REA-5C"	"REA-10C"	"REA-20C"	"REA-30C"	"REA-50C"	"REA-80C"	"REA-100C"	
Jacket Vessel Volume	5 Lit.	10 Lit.	20 Lit.	30 Lit.	50 Lit.	80 Lit.	100 Lit.	
Jacket Volume Approx.	1.2 Lit.	2.6 Lit.	5 Lit.	8 Lit.	12 Lit.	20 Lit.	25 Lit.	
Vessel OD×h mm	230×455	270×550	365×580	365×710	410×800	460×970	500×970	
Inner Vessel OD mm	200	230	330	330	365	410	460	
Heat Hose Connector	GL25	GL32	GL32	① od 35×id 18mm Flat Flange & Metal Clamp				
Drain Tube Size	Glass Tube : od 34×id 20mm							
Digital Stirrer (Agitator)	Model, Control	Direct Controlled "SHT-50DX"			Remote Controlled "SHT-120T" "SHT-140T"			
	Viscosity & Torque	100,000 mPas 300 Ncm			150,000 mPas 500 Ncm 160,000mPas 550 Ncm			
	Speed	50~1,000 rpm, Resolution : 1 rpm-Display / 1 rpm-Control					50~800 rpm	
	Motor & Rating	Worm-Geared DC Motor (3.5:1 Ratio)						
	Timer & Alarm	99hr 59min (with Continuous run.), Error status & Timer-end						
	Display	Digital LCD with Back-Light Function						
	Controller	Digital Feedback Controller with Jog Shuttle Switch (Turn + Push)						
	Shaft / Impeller	φ 10/8 PTFE Encapsulated Stainless-steel Shaft			φ 12/10 PTFE Encapsulated Stainless-steel Shaft			
Safety Device	Overload & Heat Protector for Motor							
Power Consumption	85 W				120 W			
Dimension Overall	45×45×h130cm		55×55×h170cm		60×60×h180cm		67×67×h200	
Power Supply	1 Phase, AC 230 V, 50 / 60 Hz							



(1) Glass Lid w / 5×Joints
 (2) All PTFE Lid w / 6×Screwjoints
 ◎ Top Safety : Non-Breakage, Anti-Chemical, & +280°C

Ordering for (A) Reactor Set, without Circulator & Vacu-Pump

Classic Reactor Model & Volume	Stirrer Torque and DN-Flange	(1) with Glass Lid, 5 Necks		(2) with PTFE Lid, 6 Necks	
		Cat. No.	Price, ₩	Cat. No.	Price, ₩
"REA-5C", 5 / 0.1Lit	300Ncm, DN 150	SL.Rea2511		SL.Rea2521	
"REA-10C", 10 / 0.2Lit	" , DN 200	SL.Rea2512		SL.Rea2522	
"REA-20C", 20 / 0.4Lit	" , "	SL.Rea2513		SL.Rea2523	
"REA-30C", 30 / 0.5Lit	" , "	SL.Rea2514		SL.Rea2524	
"REA-50C", 50 / 1Lit	500Ncm, DN 200	SL.Rea2515		SL.Rea2525	
"REA-80C", 80 / 1Lit	" , "	SL.Rea2516		SL.Rea2526	
"REA-100C", 100 / 1Lit	" , "	SL.Rea2517		SL.Rea2527	

※ Note! DN 150 Flanged PTFE Lid ; 5 Necks for 5Lit Vessels.

Ordering for Optional Necessaries

- (B) & (C) Heat/Cool Circulators and Heat Transfer Fluid. ⇒ See the Following 5-th. Page!
The Circulator (B) Can be Used External Direct Contact Thermo-Probe "K-type"
- (D) Vacuum Pumps ⇒ See the Pump-Section!
- (E) PTFE Thermo-Probe "K-type" ⇒ See the Last Page.

Heavy-work Support Frame dimension
 φ 27.2×thick 1.5mm STS Pipe

5 & 10 Lit : 45×45×h130cm	50 & 80 Lit : 60×60×h180cm
20 & 30 Lit : 55×55×h170cm	100 Lit : 67×67×h200cm