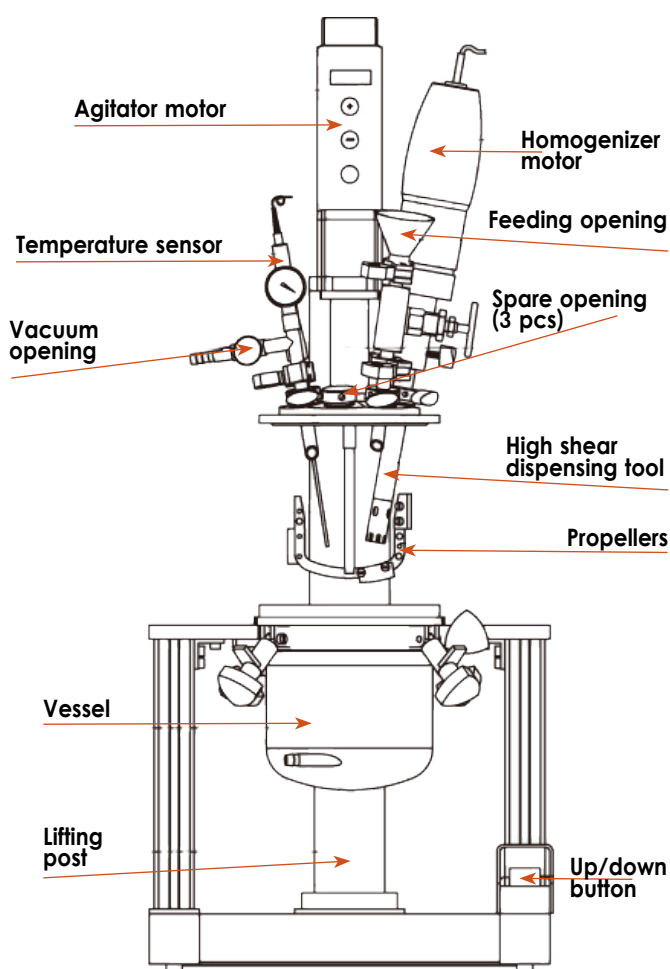


REACT-Series, Reactors

Reactor system of lab scale includes working capacities of 1L, 2L, and 5L. It can complete material dispersing, emulsifying, homogenizing and mixing processes under vacuum or pressurized conditions. It can intimate industrial production in laboratory by selecting high efficiency macro agitators, high shear homogenizing emulsifiers, vacuum seal system, and different sensor systems.



Model	REACT-1L	REACT-2L	REACT-5L
Power supply	220V, 50/60Hz		
Min. agitating capacity	300ml	500ml	1,000ml
Min. emulsifying capacity	300ml	1,000ml	2,500ml
Max. emulsifying capacity	1,000ml	2,000ml	5,000ml
Max. working temperature	120°C		
Accessible vacuum condition	-0.08Mpa		
Max. handling viscosity	100,000CP		
Agitator motor power	110W		
Agitator rotation speed	10-200rpm		
Agitator type	Anchor agitator with scrapers		
Scraper materials	Silicon rubber		
Homogenizer motor power	500W		
Homogenizer rotation speed	10,000rpm-28,000rpm		
Homogenizer generator type	20DG	25DG	
Openings on vessel cover	Homogenizer opening, hopper opening, temperature gauge opening, vacuum opening, 3 spare openings		
Lifting height	210	270	
Main medium-contact materials	SS316L, borosilicate glass, FKM		
Outer diameter of vacuum opening	10		
Jacket inlet/outlet size	12	16	
Ambient temperature	5-40°C		
Permissible relative humidity	80%		
Overall dimension	400×390×780		480×420×850
Standard gross weight	35kg	37kg	42kg
Package	Wooden case		



REAC

REAC-Series, Reactors

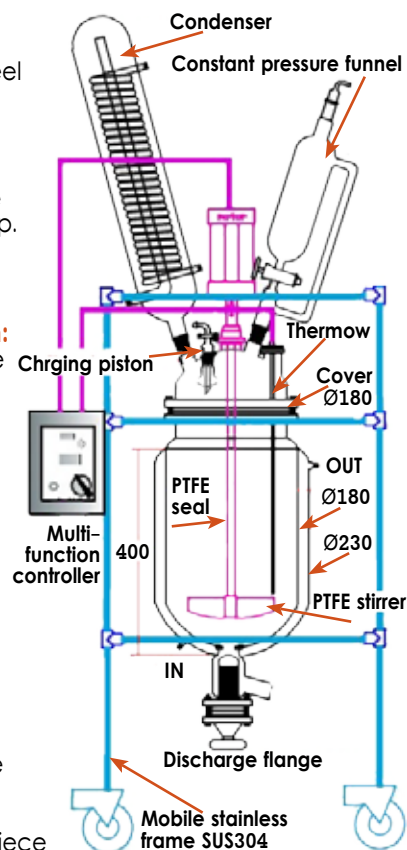
Glass reactors or mixing vessels are frequently used for stirring, dissolving, mixing, extraction and other processes in labs and pilot plants. Jacketed models permit heat exchange for better dissolving and crystallization. Mobile mixing vessels can be transported with their content for further processing. They can also be equipped with condensers for vacuum distillation.

Features:

- Borosilicate glass 3.3
- Compact stainless steel mobile frame
- PTFE seal, Ø8mm PTFE stirrer (stainless steel core, the outer PTFE)
- PTFE active discharge valve, electronic temp. measurement
- Constant speed stir controller.

Detailed configuration:

- Glass jacket - 1 piece
- Cover - 1 piece
- PTFE seal - 1 set
- PTFE stirrer - 1 set
- Body tray (aluminium alloy) - 1 piece
- Clamp (aluminium alloy) - 1 piece
- Manipulator (stainless steel) - 2 pieces for 1-10L, 3 pieces for 20-100L
- Gear motor (panasonic) - 1 set
- Multi-function controller - 1 set
- Mobile stainless frame SUS 304 - 1 set
- Condenser - 1 piece
- Dropping bottle - 1 piece
- Thermowell - 1 piece
- Solid feed inlet - 1 piece (for up to 10L)
- Charging piston - 1 piece
- Frequency converter - 1 set
- PTFE discharging valve - 1 piece.



Model	REAC-1L	REAC-2L	REAC-3L	REAC-5L	REAC-10L	REAC-20L	REAC-30L	REAC-50L	REAC-100L
Capacity (L)	1	2	3	5	10	20	30	50	100
ports	4			5		6			
Flange cover diameter	150mm			180mm	265mm				340mm
Cylinder diameter	113/135/150mm			180mm	230mm	290mm	330mm	365mm	460mm
The outer cylinder dia.	150/180/200mm			230mm	290mm	330mm	365mm	410mm	500mm
The height of the reactor	250/280/300mm			400mm	450mm	550mm	730mm	850mm	
Middle flange port	40#			50#				60#	
Gear motor power(W)	60			90	120		140	180	250
pressure(Mpa)	-0.096								
Agitator speed(rpm)	0-600								
Condenser	24#			29#	34#			40#	
Constant pressure funnel	250ml/24#			500ml/29#	1000ml/34#	2000ml/34#		3000ml/34#	5000ml/29#
Charging piston	29#				40#				
Solid feed inlet	-				DN80				
Electronic temp. measurement port	DN15								
Discharge flange port	38#		50#	60#	70#			100#	
PTFE	Ø8		Ø10	Ø16			Ø18	Ø20	
Gear motor	60W		90W	120W			180W	250W	
Power (V/Hz)	220/50 or 60								