

## Ultra low temperature photochemical reactor

1. TPRC ultra low temperature photochemical reactor is inner groove type, standard temperature is  $-20^{\circ}\text{C}$ , is similar as magnetic stirrer bath.
2. temperature could be controlled under  $0^{\circ}\text{C}$ , and  $-40^{\circ}\text{C}$ ,  $-60^{\circ}\text{C}$ ,  $-80^{\circ}\text{C}$ ,  $-100^{\circ}\text{C}$ ,  $-120^{\circ}\text{C}$  could be customized, capacity  $\leq 1\text{L}$ .



TPRC series ultra low temperature photochemical reactor

### Technical specification:

Model	TPRC-250ML	TPRC-500ML	TPRC-1000ML	TPRC-5000ML	TPRC-50L	TPRC-100L
Mercury lamp	500W	500W	1000W	1000W	6000W	10000W
xenon lamp	500W	500W	1000W	1000W	6000W	10000W
Mercury xenon lamp	○	○	○	○	○	○
Mercury lamp power supply	500W	500W	1000W	1000W	6000W	10000W
Xenon lamp power supply	500W	500W	1000W	1000W	6000W	10000W
Mercury xenon lamp power	○	○	○	○	○	○
Lamp Protect Material	Quartz	Quartz	Quartz	Quartz	Quartz	Quartz
Prevent from liquefaction device	●	●	●	●	●	●
Emulsifying capacity	250ML	500ML	1000ML	5000ML	50L	100L
Vacuum sealing Material	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE
Discharge	●	●	●	●	●	●
Reflux condensing	●	●	●	●	●	●
Stirring rod	●	●	●	●	●	●
Frequency converting	●	●	●	●	●	●
Protect box	●	●	●	●	●	●
Observe window	●	●	●	●	●	●
Low temp.supply pump	$-120^{\circ}\text{C} \sim$ Room temp	$-120^{\circ}\text{C} \sim$ Room temp	$-120^{\circ}\text{C} \sim$ Room temp	$-120^{\circ}\text{C} \sim$ Room temp	$-120^{\circ}\text{C} \sim$ Room temp	$120^{\circ}\text{C} \sim$ Room temp
Power	220V/50HZ	220V/50HZ	220V/50HZ	220V/50HZ	220V/50HZ	220V/50HZ

Note: ○—Increase choice ●—Change choice