

## Solid phase / Gas phase photochemical reactor

1. TOPT-7S used as pure solid phase photochemical reactor, we can customized various sizes depending on your needs.
2. TOPT-9G used as pure gas phase photochemical reactor, can be quartz gas reactor, also can be SS316 high-pressure reactor(TPR-HP series).



**TOPT-7S / TOPT-9G solid outside illuminated type**



**Outside illuminated type**



### Configuration :

No.	Equipment list	TOPT-7S	TOPT-9G
1	Protecting box(which can prevent ultraviolet ray, but have observation window)	1	1
2	UV Lamp control system (Xenon lamp, Metal halide lamp control system are optional)	1	1
3	UV Lamp ( xenon lamp, Metal halide lamp are optional)	1	1
4	Cold pit of quartz(which is used to reduce the heating of lamp)	1	1
5	Water shortage alarm(it will alarm when the water stop flowing, then you can shutoff the power )	1	1
6	Stainless steel working platform, bottom with wheels.	1	1
7	Strong and effective response cover, reflect light onto the sample	1	1
8	Lifting platform	1	1
9	Sample tray	1	0
10	Quartz gas reactor	0	1
Optional			
A	Chiller for cooling	Yes	yes
B	Filter(there are UV cut 400nm type and UV through type)	yes	yes
C	SS316 high-pressure reactor TPR-HP series	no	yes

Rotary Evaporator

Scraped Film Evaporator /  
Short Path (Molecular)  
Distillation System

Chemical Glass  
Reactor

High Shear Homogen-  
-eous Emulsification  
Reactor

Pilot Ultrasonic  
Emulsification Reactor

Vacuum Filter / Glass  
Liquid Separator

Photochemical  
Glass Reactor

Hydrothermal  
Synthesis Reactor

High Pressure  
Reactor

