

ASAHI GLASS FILTER REACTORS

Complete Systems for Isolate Production

**PHARMACEUTICAL GRADE
GLASS FILTER REACTOR**
SEE INSIDE VESSEL AS
REACTIONS TAKE PLACE!



5L ASAHI GLASS BENCHTOP FILTER REACTOR

Cascade's 5L and 20L Glass Filter Reactor Systems are best-in-class for crystallization and isolate powder production.

These turnkey systems use only the highest quality components from world-class manufacturers Asahi, Agilent, Heidolph, and Huber.

FEATURES

- All in one reaction filtration for crystallization
- Easy off-loading
- Removable filter housing for easy cleaning
- The only full jacket design on the market for optimum performance
- Achieve CBD crystallization in less than 4-hours
- Precision glassware for 24/7 operational use for science and industry
- Design for GMP and cGMP
- Turn-Key package
- 20L, installation included
- 5L, live video install included



20L ASAHI GLASS FILTER REACTOR

FILTER REACTOR SYSTEMS INCLUDES

FILTER REACTOR SYSTEM
5L or 20L Jacketed Glass Filter Reactor

HUBER TEMP CONTROL

OVERHEAD STIRRER
Heidolph Precision 200

AGILENT VACUUM PUMP

-50°C COLD TRAP
Cascade MAXTRAP50
On Mobile Cart

ACCESSORIES INCLUDED
All Thermal Fluids,
Connection Tubing, &
Fittings

503-847-9047
sales@cascaDESCIENCES.COM
cascaDESCIENCES.COM

VISIT OUR SHOWROOM!
6725 NE Evergreen Pkwy, Ste 106
Hillsboro, OR 97124

5L AND 20L GLASS FILTER REACTOR SYSTEMS

SPECIFICATIONS



HUBER CC-508 TEMP CONTROL ON MOBILE CART



CASCADE'S MAXTRAP50 COLD TRAP ON MOBILE CART



HEIDOLPH HEI-TORQUE PRECISION 200

	5L BENCHTOP	20L INDUSTRIAL
ASAHI GLASS REACTOR		
Item Number	CS-5L	CS-20L
Vessel Type	Jacketed Glass Reactor	Jacketed Glass Reactor
Operating Pressure	Full vac. to atmospheric pressure	Full vac. to atmospheric pressure
Operating Jacket Pressure	Up to +0.5 bar G (+0.05 MPA)	Up to +0.5 bar G (+0.05 MPA)
Operating Temperature	-90°C to +200°C (ΔT:110°C)	-90°C to +200°C (ΔT:110°C)
Package Footprints		
Filtration Unit	14.5"W x 15"D x 51.5"H	26"W x 49"D x 84"H (On casters)
Vacuum Pump & MAXTRAP50 (Mobile Cart)	20"W x 50.6"H (50cm x 128.5cm)	20"W x 50.6"H (50cm x 128.5cm)
Huber Temp Control (Mobile Cart)	25.5"W x 26"D x 65"H (64.77cm x 66.04cm x 165cm)	25.5"W x 26"D x 65"H (64.77cm x 66.04cm x 165cm)
Power	2 each 120V / 1ph / 20AMP circuits • 1 each powers Huber temp control • 1 each powers vac pump, MAXTRAP, stirrer	1 each 220V / 1ph / 20AMP circuit powers Huber temp control 1 each 120V / 1ph / 20AMP circuit powers vac pump, MAXTRAP, stirrer
AGILENT VACUUM PUMP - NRTL CERTIFIED		
Pump Type	IDP3 Oil-Free, Scroll	IDP7 Oil-Free, Scroll
Pumping Speed	2.1 CFM	5.4 CFM
Ultimate Pressure	3.3 x 10 ⁻¹ mbar / 2.5 x 10 ⁻¹ Torr	2 x 10 ⁻² Torr / 20 mTorr
Intake Connection	KF-16 (Connections Included)	KF-25 (Connections Included)
Dimensions	16.02"L x 10"W x 7.3"H	14.72"L x 10.24"W x 10"H
Weight	21lbs (9.5kg)	54lbs (25.5kg)
Power	120V / 1ph / 3-6AMP	120V / 1ph / 3-6AMP (220V available)
CASCADE'S MAXTRAP50 COLD TRAP - NRTL CERTIFIED		
Capacity	3Qt. (2839mL)	3Qt. (2839mL)
Adapter	KF-25 Inlet & Outlet	KF-25 Inlet & Outlet
Gasket	Viton	Viton
Mechanical Base	-50°C	-50°C
Power	115V / 1ph / 4AMP	115V / 1ph / 4AMP
HEI-TORQUE PRECISION MOTOR		
Rotation Speed Range	10-2,000rpm	10-2,000rpm
Max Torque	200Ncm	200Ncm
Overheat Protection	Automatic Cut-out	Automatic Cut-out
Stirring Capacity	50L	50L
Power	115V / 1ph / 105W	115V / 1ph / 105W
HUBER TEMPERATURE CONTROL - NRTL CERTIFIED		
Type	230 Ministat	CC-508
Temperature Range	-40°C to +200°C	-55°C to +200°C
Temperature Stability	±0.02°C	±0.02°C
Controller	Pilot ONE	Pilot ONE
Safety Class	III / FL NRTL Listed	III / FL NRTL Listed
Dimensions	410mmW x 480mmD x 764mmH	410mmW x 480mmD x 764mmH
Weight	37kg	58kg
Heating Capacity	1.5kW	2.45kW
Cooling Capacity	-40 °C is 0.05 kW	-40 °C is 0.3 kW
Bath Volume	3.2L	5L
Power	115V / 1ph / 14AMP	208V / 1Ph / 16.5AMP