



Laboratory Process Chemistry Series

**Scalable Reactor Solutions
for every level of Process Developement**

SINCE

1962

Borosil is born as a Public Limited Company. The company begins to sell products under the "Borosil" brand.

1963

Corning Glass Works, USA joins Borosil Ltd. as a Technical and Financial Collaborator.

2008

Vyline Glassworks sets up a state of the art manufacturing facility for laboratory and consumer glassware in Bharuch, Gujarat.

2015

Borosil launches Labquest - its entry into laboratory instruments.

2016

Borosil acquires controlling interest in Klasspack Pvt. Ltd. in Nashik, Maharashtra and enters the pharmaceutical primary packaging market.

2017

Gujarat Borosil produces the world's first fully 2mm solar glass, facilitating a revolutionary 30% increase in solar module efficiency.

2024

Borosil Scientific Limited with a mandate to research, design, develop laboratory equipment is set up at Pune, India under the brand Labquest.

Pune, India
Laboratory Instrumentation & Design Site



Bharuch, India
Laboratory Glassware & Solar Glass Site



Nashik, India
Pharma Primary Packaging Site



BOROSIL has been the preferred specialty glass of choice for the scientific and industrial community for 60 years. By working closely with chemists, we have been providing innovative solutions & products in their pursuit of excellence and discovery.

BOROSIL PROCESS SCIENCE offers specialized solutions for chemical synthesis and process development. Tailor your requirements with our exclusive range, which includes blockbased carousels, bath-based spherical reactors, bench-top cylindrical reactors, and pilot plants, providing a comprehensive selection to meet your needs.

Our scope of services includes custom design of plants and pilot assemblies, data logging and programmable controls, installation and training.

Reach out to us, our team of experts would be happy to assist you.



PORTFOLIO

Introducing cutting-edge glass reactors with full automation from India's leading scientific glass manufacturer. we present state-of-the-art automation for lab reactors,empowering researchers to optimize experiments and expedite workflows.

Our solutions ensure accurate and dependable control over essential reactor variables like temperature, pressure, and stirring speed.

We customize your needs with our exclusive range, including blockbased carousels, bath-based spherical reactors, bench-top cylindrical reactors, and pilot plants, offering a comprehensive selection.



From Bench to Scale up

The Complete Reactor Line for Every Stage of Your Chemical Synthesis

**Block
Reactor System**

Pixel



**Mini
Reactor System**

Sphere



**Jacketed
Bench Reactor**

Academix
Switch
Precision
Prime



**Jacketed
Pilot Reactor**

Comet

PIXEL

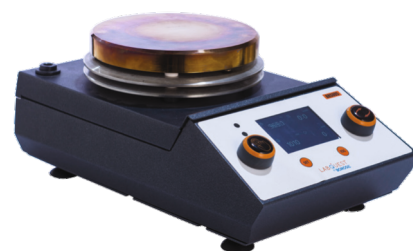
The Foundational Carousel for Reaction Chemistry

Introducing the BRS

from our Pixel Series, the first building block in reaction chemistry and drug discovery. The BRS features a dynamic hot plate system, replacing traditional block-based setups with a versatile carousel for handling parallel reactions from 10ml to 250ml. It can also be used for scale up efficiently to handle 500ml to 5 liters as a single-position heating block. Designed as a safe and efficient alternative to heating mantles, the BRS facilitates easy assembly with condensers and vacuum capabilities, making it an ideal choice for scalable, precise, and adaptable research applications.



Seamless heating and stirring



Easily wipeable
non-stick block surfaces



Quick blocks interchanging tool



Enhanced control and monitoring

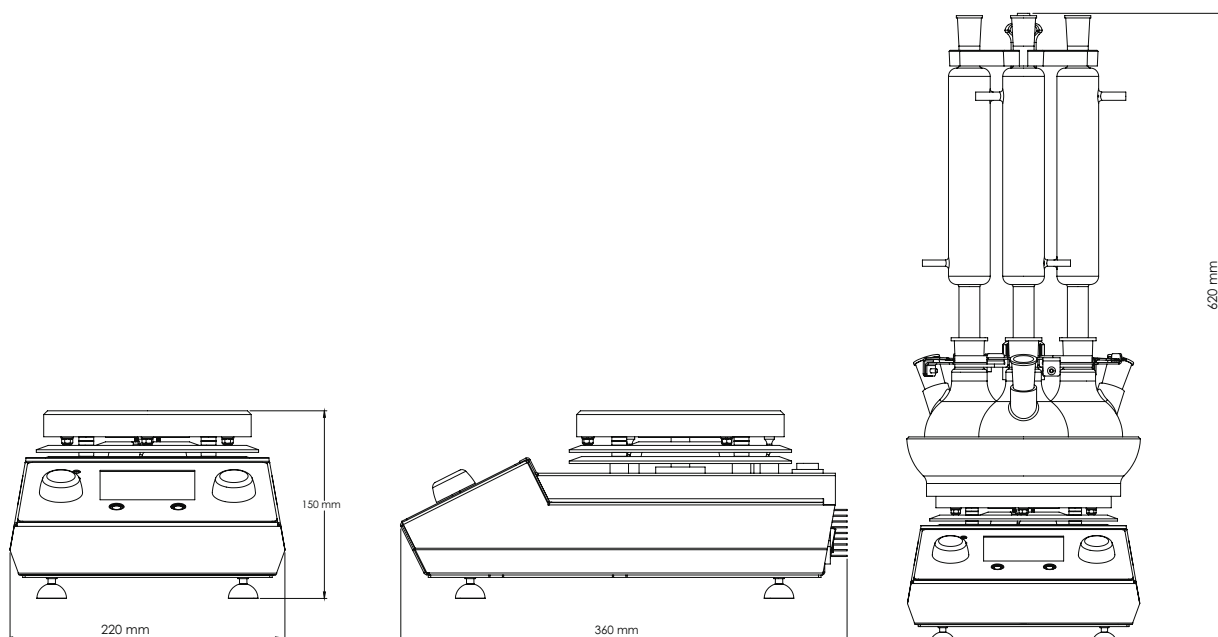
Specifications

Dimensions	(w/d/h) 360 x 220 x 150 mm (approx)
Usable Surface heating plate	dia.168 mm
Single Position	500ml, 1 Litre, 2 Litre, 3 Litre, 5 Litre RBF
Multi Positions	10ml , 25ml ,50ml, 100ml, 250ml RBF
Drive	BLDC motor 28 watts
Rotation speed range	100 -1500 rpm
Heating power	1000 watts @ 230 V
Temperature range	RT - 350 °C, setting accuracy 1 K for Plate
Heating control	PID
Temp. measurement accuracy	Pt1000: ± 0.5 K
Display	TFT Display
Power input	230 V, 50 Hz, 6 A

Dimensions and Ordering Information

Part No.	No. of Position	Capacity
BLMRBRS5001P00HTBL	1	500 mL
BLMRBRS0011P00HTBL	1	1 L
BLMRBRS0021P00HTBL	1	2 L
BLMRBRS0031P00HTBL	1	3 L
BLMRBRS0051P00HTBL	1	5 L
BLMRBRS010XP00HTBL	Upto 12	10 m L
BLMRBRS025XP00HTBL	Upto10	25 mL
BLMRBRS050XP00HTBL	Upto 6	50 mL
BLMRBRS100XP00HTBL	Upto 5	100mL
BLMRBRS250XP00HTBL	Upto 3	250mL

** Customization are available as per requirements & price on request.



SPHERE

Essential Powerhouse for Efficient Research

The MBR001

part of our Sphere Series, is designed for applications using spherical flask reactors. Equipped with a built-in heater and stirrer with unified control, the MBR001 offers ease of use and rapid setup, making it the go-to choice for demanding reactions. Its streamlined assembly means you can get started quickly, increasing your productivity from the outset.

Ideal for parallel reactions, the MBR001 allows multiple units to be placed in a single fume hood, significantly boosting your hit rate by enabling independent reaction systems to operate simultaneously. By maximizing your ability to conduct multiple reactions concurrently, the MBR001 ensures you get the most value out of your laboratory space and resources.



Easy stirrer height adjustment



Hassle-free vessel change and clamping



Inbuilt heating and cooling system



Tool-free operation



Effortless oil drainage

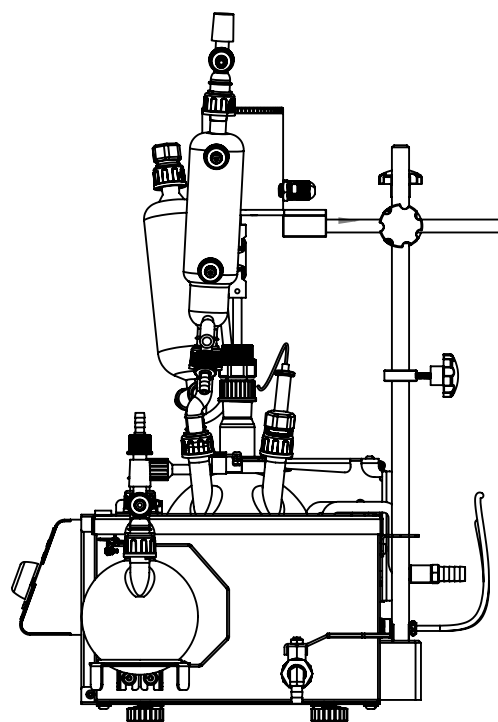
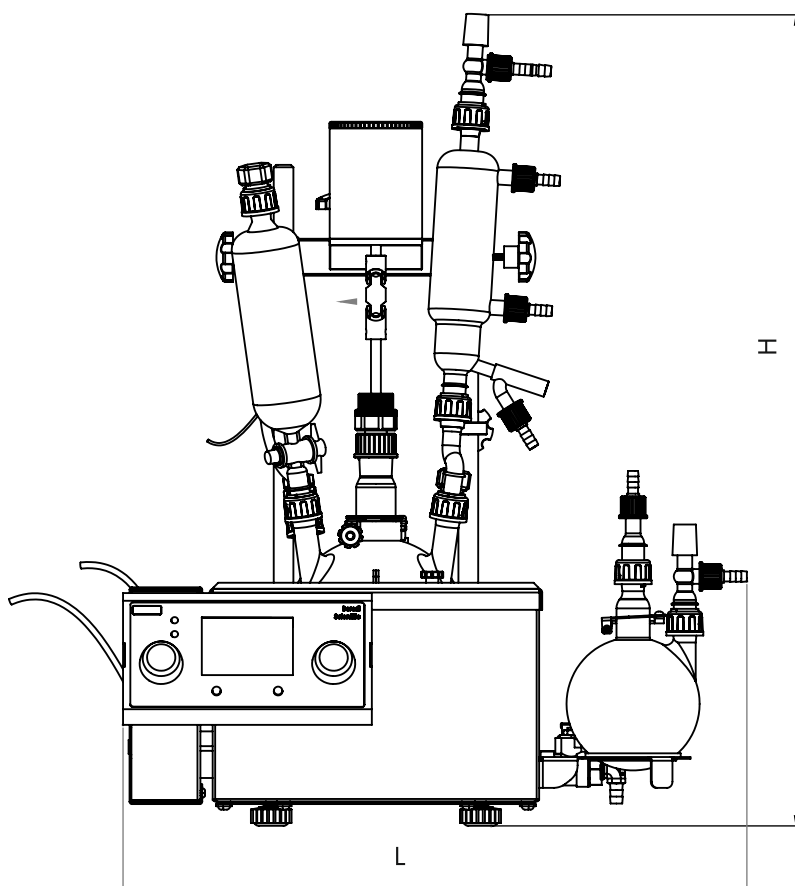
Specifications

Vessel Volume Range	250 mL - 1L Round Bottom Flask
Temperature Range	Ambient to 200°C
Pressure Range	Vacuum(100 mbar) to 1000 mbar
Accessories	Condensers, stirrers, probes, solid & liquid dosing funnels, port adapters, stoppers, etc.
Automation	Integrated Stirrer & Heating Control
Overhead Stirrer Drive	BLDC, 24V, 0.6 N-m

Dimensions and Ordering Information

Assembly Code	Capacity	Pressure mbar	L x B x H mm
BLFRMBR25000000000	250 mL	100 to 1000	500 x 450 x 700
BLFRMBR50000000000	500 mL	100 to 1000	500 x 450 x 700
BLFRMBR00100000000	1 L	100 to 1000	500 x 450 x 700

** Customization are available as per requirements & price on request.



SPHERE

Essential Powerhouse for Efficient Research

The MBR005

an upgraded member of our Sphere Series, is engineered for applications requiring larger capacity round-bottom flask reactors. Featuring advanced built-in heating systems, this reactor delivers precise temperature control and offers quick set-up in your lab workflow. Its sleek, compact design integrates easily into the fume hood, offering robust performance without compromising space. The MBR 005 is an exceptional choice for parallel reactions by offering the value for you to have multiple units set up for simultaneous reactions.



Tool-free operation



Integrated control system



Effortless oil drainage



Non-sparking motor drive



Quick-release clamp



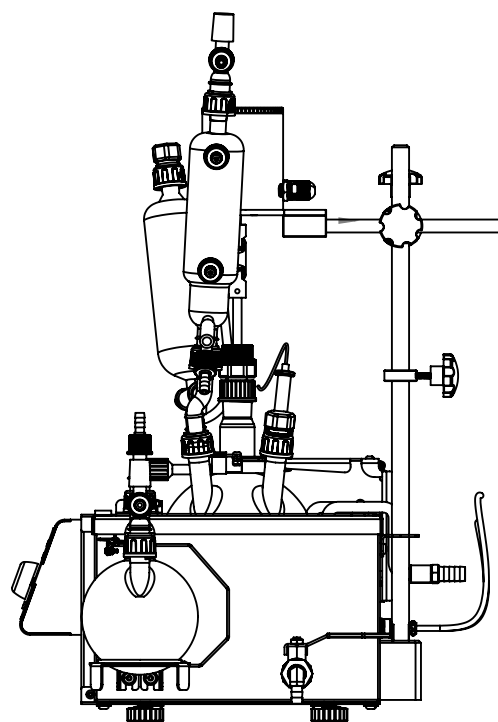
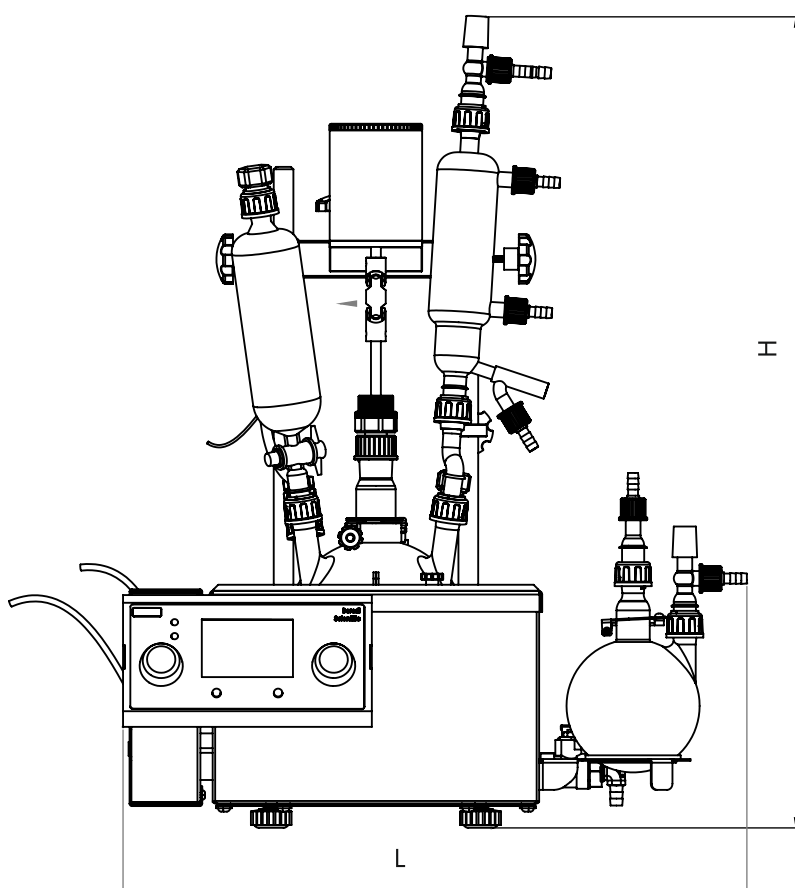
Specifications

Vessel Volume Range	2L - 5L Round Bottom Flask
Temperature Range	Ambient to 200°C
Pressure Range	Vacuum(100 mbar) to 1000 mbar
Accessories	Condensers, stirrers, probes, solid & liquid dosing funnels, port adapters, stoppers, etc.
Automation	Integrated Stirrer & Heating Control
Overhead Stirrer Drive	BLDC, 24V, 0.6 N-m

Dimensions and Ordering Information

Assembly Code	Capacity	Pressure mbar	L x B x H mm
BLFRMBR00200000000	2 L	100 to 1000	650 x 500 x 1000
BLFRMBR00300000000	3 L	100 to 1000	650 x 500 x 1000
BLFRMBR00500000000	5 L	100 to 1000	650 x 500 x 1000

** Customization are available as per requirements & price on request.

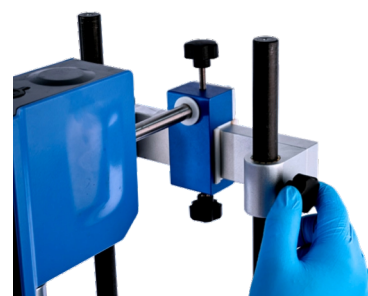


ACADEMIX

Optimized Reactor for Future Scientists

Introducing the BLR100

from our Academix Series, a jacketed bench reactor tailored specifically for students and educational settings. Engineered with ease of handling and rugged durability in mind, the BLR100 is an ideal choice for fulfilling all academic requirements while remaining economical. Its innovative, lightweight design ensures effortless installation and operation, making it perfect for learning environments. The BLR100 also offers optional full automation, providing a streamlined and safe reaction process. This product reflects Borosil Scientific's commitment to fostering chemical research and education among students, combining practicality with advanced functionality for an exceptional learning experience.



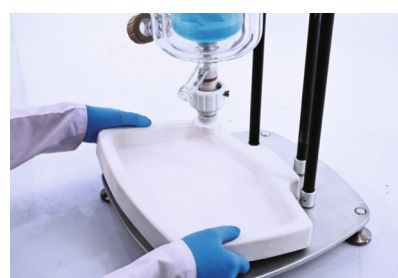
Easy stirrer drive adjustment



Quick-release vessel clamp



Spring-loaded
securing mechanism



Efficient spill management

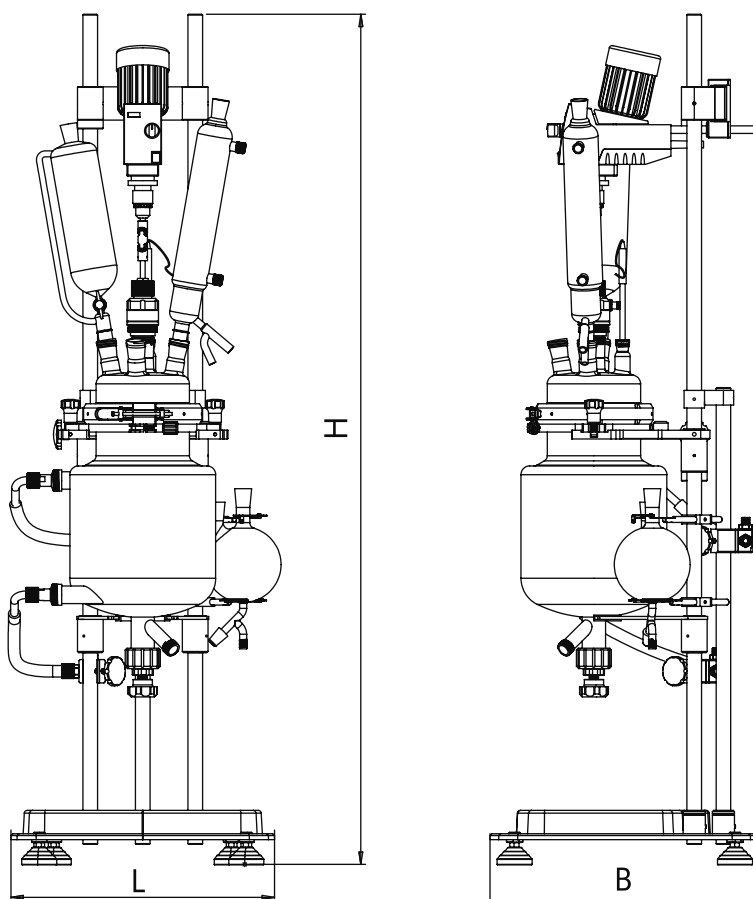
Specifications

Vessel Volume Range	250mL - 1L Vacuum Jacketed Vessels
Temperature Range	-40°C to 200°C (Optional -80°C to 260°C)
Pressure Range	Vacuum(10 mbar) to 1 bar
Accessories	Condensers, stirrers, probes, baffles, solid & liquid dosing funnels, port adapters, stoppers, etc.
Automation	Automation upgrades available
Overhead Stirrer Drive	Pneumatic, Electric, Manual

Dimensions and Ordering Information

Assembly Code	Capacity	Flange Dia	L x B x H mm	Jacket Type
BLMRBLR250XJ000000	250 mL	DN 100	420 x 420 x 1100	Single/ Double Jacket
BLMRBLR500XJ000000	500 mL	DN 100	420 x 420 x 1100	Single/ Double Jacket
BLMRBLR001XJ000000	1 L	DN 100	420 x 420 x 1100	Single/ Double Jacket

** Customization are available as per requirements & price on request.



SWITCH

Engineered for Fluid Versatility

Introducing SWITCH, the bench lab reactor designed to thrive in high-viscosity applications. This progressive reactor provides exceptional adaptation with interchangeable solutions, easily scaling from spherical vessels to advanced jacketed reactors with a hemispherical bottom for optimal performance. SWITCH is designed to fit wide mouth reactors for easy anchor stirrer insertion, ensuring close-to-wall stirring to eliminate dead volume while giving precise and efficient results. With capacities ranging from 250 ml to 1 liter in DN100 and 2, 3, and 5 liters in DN150, it offers customizable solutions to meet every lab need. The versatile skid and drop-in coupling improve ease of use and adaptability, making SWITCH the ideal solution for labs looking for practicality and great results in a variety of fluidities.



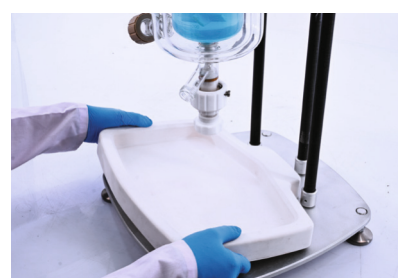
Easy hose clamping
and vessel change



Quick-release vessel clamp



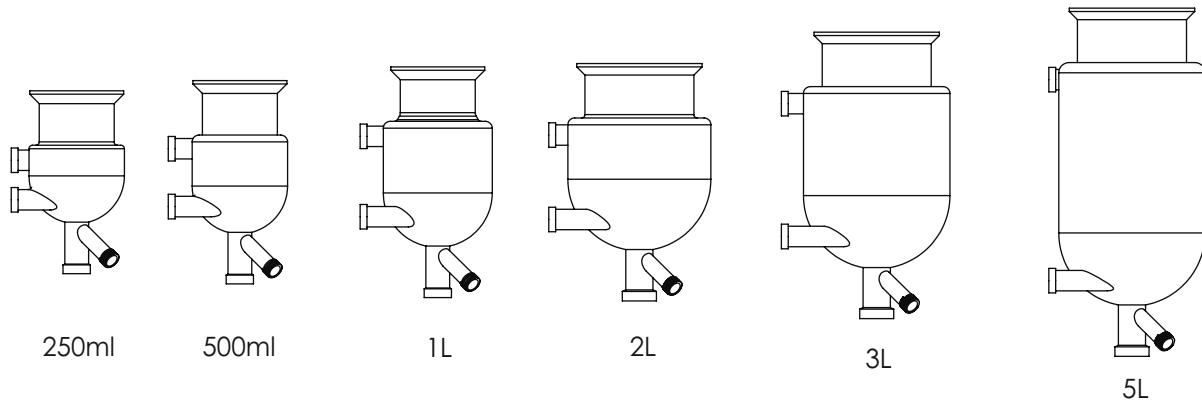
Spring-loaded
securing mechanism



Efficient spill management

Specifications

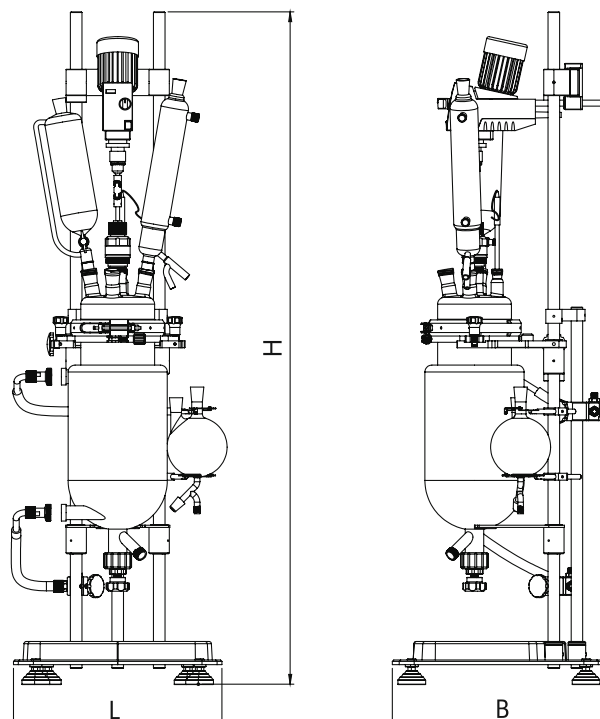
Vessel Volume Range	250ml - 5L With and without vacuum jacket
Temperature Range	-40°C to 200°C (Optional -80°C to 260°C)
Pressure Range	Vacuum(10 mbar) to 1 bar
Agitator Type	Anchor
Automation	Automation upgrades available
Overhead Stirrer Drive	Pneumatic, Electric, Manual
Guide Type	Dry seal, Magnetic guide



Dimensions and Ordering Information

Assembly code	Capacity	Flange type	LXBXH (mm)	Jacket type
BLMRBLR250SXJ00000	250ml	DN100	500x500x1200mm	single / double jacketed
BLMRBLR500SXJ00000	500ml	DN100	500x500x1200mm	single / double jacketed
BLMRBLR001SXJ00000	1L	DN100	500x500x1200mm	single / double jacketed
BLMRBLR002SXJ00000	2L	DN150	500x500x1200mm	single / double jacketed
BLMRBLR003SXJ00000	3L	DN150	500x500x1200mm	single / double jacketed
BLMRBLR005SXJ00000	5L	DN150	500x500x1200mm	single / double jacketed

** Customization are available as per requirements & price on request.





SWITCH

- Thrives in high-viscosity applications
- Hemispherical bottom vessel accommodates an anchor type agitator and ensures predictable scale up from spherical flask
- Close-to-wall stirring eliminates dead volume.



*Built with superior borosilicate
glass from Schott Duran*

PRECISION

- Designed to replicate the exact L/D ratio of plant-scale GLRs
- Predictable scale-ups
- Unequaled precision
- Dish-shaped bottom for high-efficiency mixing and heat transfer



*Built with superior borosilicate
glass from Schott Duran*



PRECISION

Drive Predictable Scale-Up with Easy Adaptability

Introducing PRECISION, the bench lab reactor with unequalled precision and efficiency. PRECISION is designed to provide interchangeable solutions that replicate the exact L/D ratios of plant-scale GLRs, resulting in high-efficiency mixing and continually reliable outcomes. Its jacketed reactors have a dish-shaped bottom that optimizes mixing performance and heat transfer. PRECISION's versatile skid and drop-in coupling system ensure smooth adaptation and convenience of usage. This reactor, which is available in DN100 vessel sizes ranging from 250 ml to 1 liter and DN150 vessel sizes of 2, 3, and 5 liters, meets a wide range of laboratory needs with exceptional accuracy.



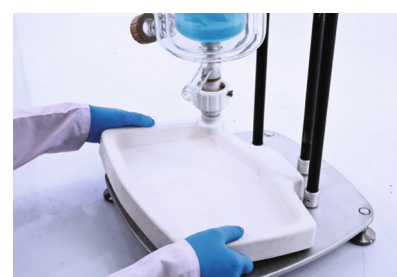
Easy hose clamping
and vessel change



Quick-release vessel clamp



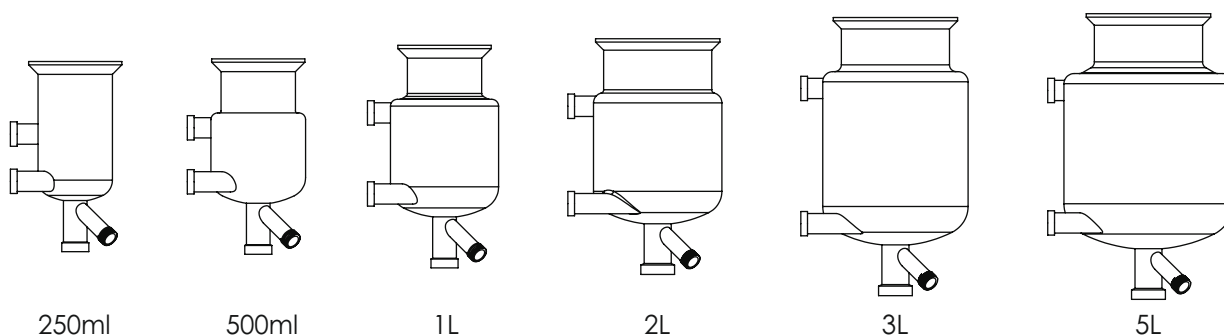
Spring-loaded
securing mechanism



Efficient spill management

Specifications

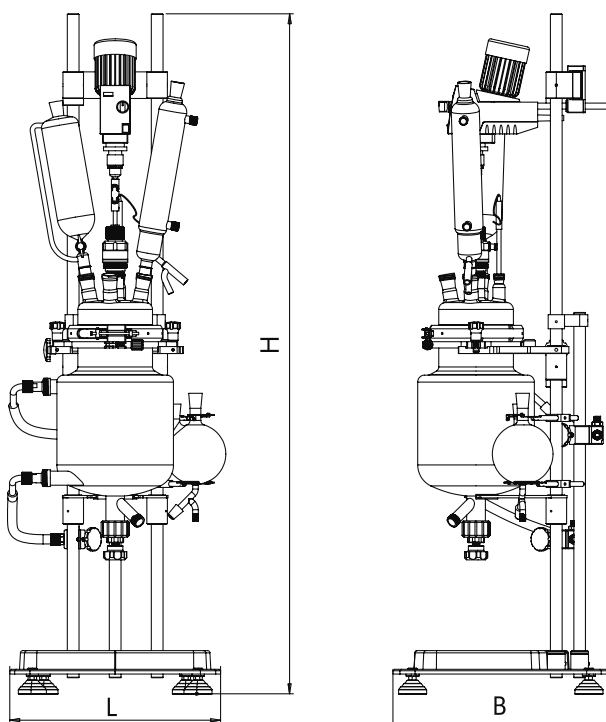
Vessel Volume Range	250ml - 5L With and without vaccum jacket
Temperature Range	-40°C to 200°C (Optional -80°C to 260°C)
Pressure Range	Vacuum(10 mbar) to 1 bar
Agitator Type	Anchor, PBT, Vortex, Padel
Automation	Automation upgrades available
Overhead Stirrer Drive	Pneumatic, Electric, Manual
Guide Type	Dry seal, Magnetic guide



Dimensions and Ordering Information

Assembly code	Capacity	Flange type	LXBXH (mm)	Jacket type
BLMRBLR250PXJ00000	250ml	DN100	500x500x1200mm	single / double jacketed
BLMRBLR500PXJ00000	500ml	DN100	500x500x1200mm	single / double jacketed
BLMRBLR001PXJ00000	1L	DN100	500x500x1200mm	single / double jacketed
BLMRBLR002PXJ00000	2L	DN150	500x500x1200mm	single / double jacketed
BLMRBLR003PXJ00000	3L	DN150	500x500x1200mm	single / double jacketed
BLMRBLR005PXJ00000	5L	DN150	500x500x1200mm	single / double jacketed

** Customization are available as per requirements & price on request.



PRIME

Golden Proportion for Scalable Performance

Introducing CLR

A premium compact lab reactor designed for unmatched performance and seamless user experience. With its precise 1.25 L/D ratio, it mirrors the efficiency of pilot and plant-scale reactions, ensuring optimal mixing every time. Built with advanced reaction systems, PRIME outperforms imported alternatives by offering improved usability and superior handling. The unified neck clamp eliminates tedious neck rings, making loading, washing, and handling remarkably easy. Designed for those who demand excellence, PRIME redefines what a compact lab reactor should be – efficient, user-friendly, and undeniably premium.



Hassle-free vessel change and clamping



Hose clip and support structure (HCSS)



Effortless height adjustment



Efficient spill management

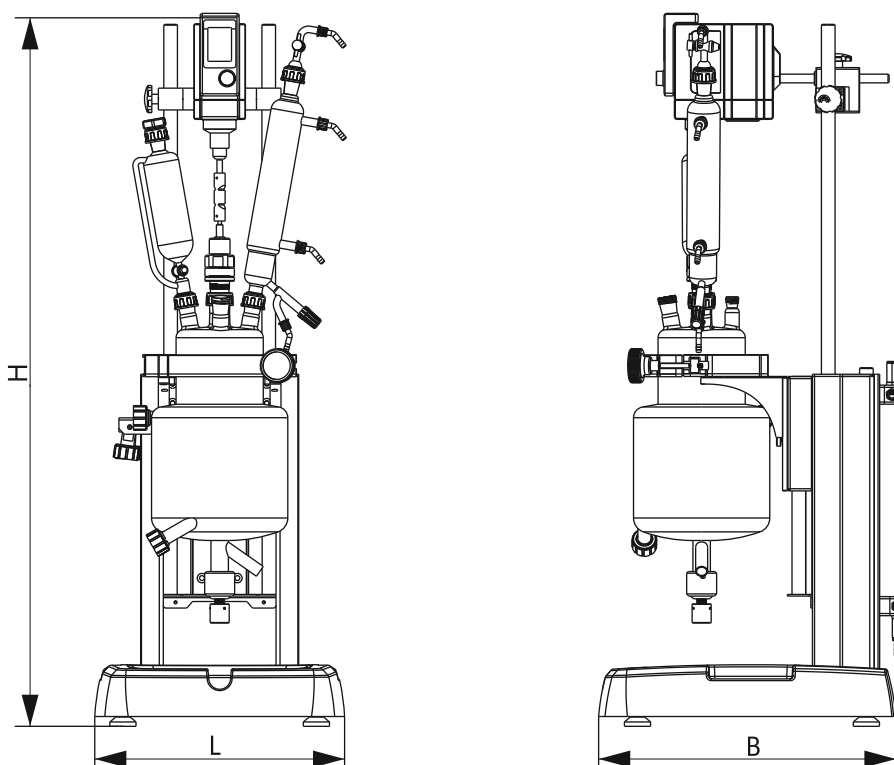
Specifications

Vessel Volume Range	250mL - 5L Vacuum Jacketed Vessels
Temperature Range	-40°C to 200°C (Optional -80°C to 260°C)
Pressure Range	Vacuum(10 mbar) to 1 bar
Accessories	Condensers, stirrers, probes, baffles, recieving flask, solid & liquid dosing funnels, port adapters, stoppers, etc.
Automation	Automation upgrades available
Overhead Stirrer Drive	Pneumatic, Electric, Manual

Dimensions and Ordering Information

Assembly Code	Capacity	Flange Dia	L x B x H mm	Jacket Type
BLMRMLR250XJ000000	250 mL	DN 100	400 x 480 x 1100	Single/ Double Jacket
BLMRMLR500XJ000000	500 mL	DN 100	400 x 480 x 1100	Single/ Double Jacket
BLMRMLR750XJ000000	750 mL	DN 100	400 x 480 x 1100	Single/ Double Jacket
BLMRMLR001XJ000000	1 L	DN 100	400 x 480 x 1100	Single/ Double Jacket
BLMRCLR002XJ000000	2 L	DN 150	500 x 550 x 1300	Single/ Double Jacket
BLMRCLR003XJ000000	3 L	DN 150	500 x 550 x 1300	Single/ Double Jacket
BLMRCLR005XJ000000	5 L	DN 150	500 x 550 x 1300	Single/ Double Jacket

** Customization are available as per requirements & price on request.



COMET

The Smart Start to Industrial Scalability

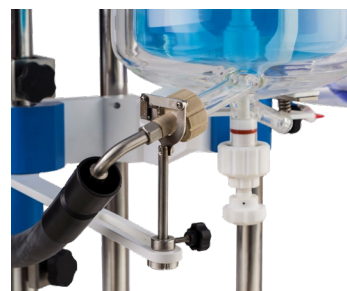
Introducing COMET, the pilot lab reactor designed to bridge the gap between laboratory innovation and industrial scalability. Engineered to maintain precise proportions for process scalability, COMET ensures that your experiments translate seamlessly to larger production volumes. With its user-friendly design, handling becomes effortless, enhancing usability for all operators. Offering versatility with low maintenance and skid-mounted designs, COMET also allows easy mobility and integration into any workflow. As the first step towards industrial scale-up, COMET facilitates larger reaction scalability, accommodating volumes from 10 to 20 liters. Experience the future of pilot testing with COMET, where every detail is optimized for efficiency and growth in your processes.



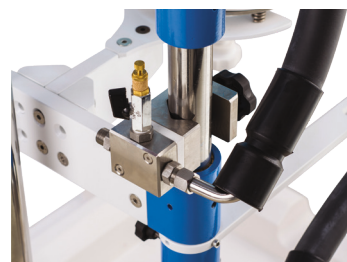
User friendly stop-cock
with high vacuum seals



Quick-release vessel clamp



Hose Clip and
Support Structure (HCSS)



Quick-Release Manifold
for Efficient Vessel Interchange

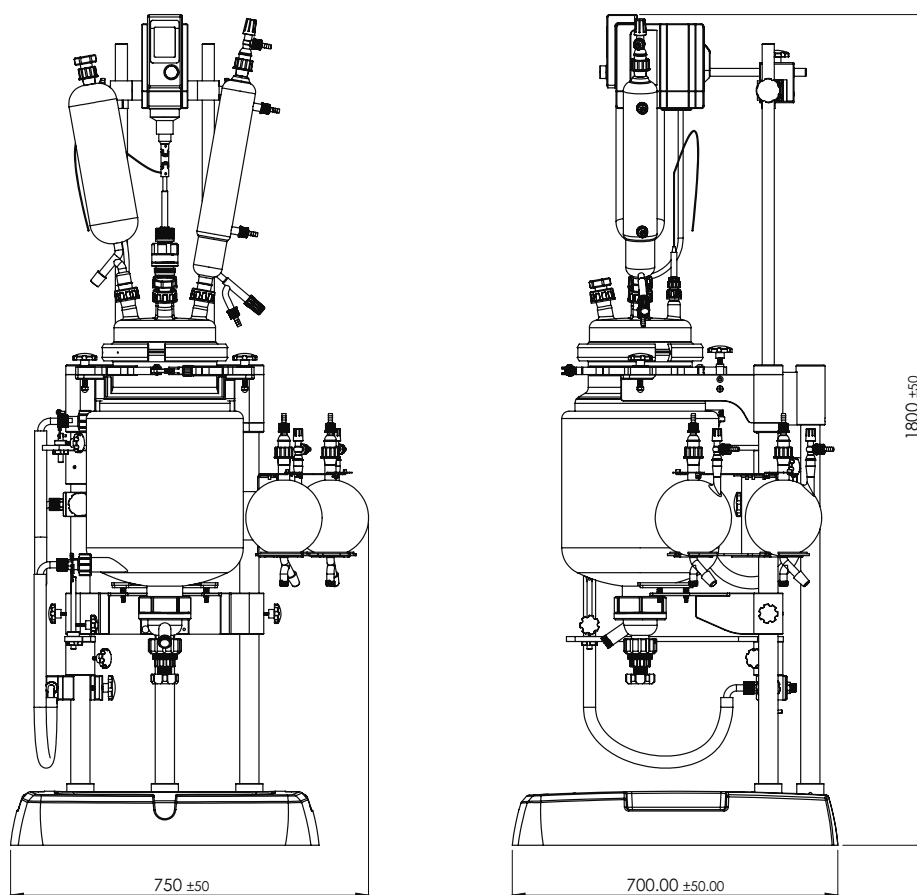
Specifications

Vessel Volume Range	10L - 20L With and without vacuum jacket
Temperature Range	-40°C to 200°C (Optional -80°C to 260°C)
Pressure Range	Vacuum(10 mbar) to 1 bar
Agitator Type	Anchor, PBT, Ruston
Automation	Automation upgrades available
Overhead Stirrer Drive	Pneumatic, Electric, Manual
Guide Type	Dry seal, Magnetic guide

Dimensions and Ordering Information

Assembly code	Capacity	Flange type	LXBXH (mm)	Jacket type
BLMRPLR010XJ000000	10L	DN200	750X700X1800mm	single / double jacketed
BLMRPLR015XJ000000	15L	DN200	750X700X1800mm	single / double jacketed
BLMRPLR020XJ000000	20L	DN200	750X700X1800mm	single / double jacketed

** Customization are available as per requirements & price on request.



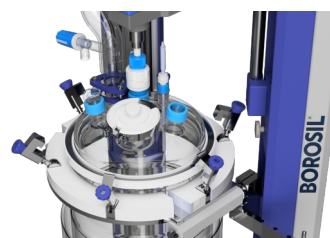
COSMOS PRO

Your pilot process partner

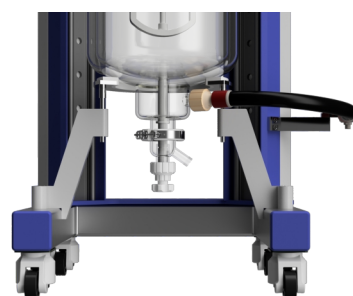
COSMOS is a versatile, mobile, and modular pilot reactor system designed to scale up lab processes from 20L to 50L with unmatched precision. It mirrors the aspect ratio of your lab-scale glass reactor, ensuring a geometrical match that enables accurate scale-up or scale-down. COSMOS provides a robust, flexible, and reliable pilot-scale platform for your process. Whether you're optimizing production processes or validating lab trials at a pilot level, COSMOS is the ideal link between development and manufacturing.



User friendly stop-cock
with high vacuum seals



Quick-release vessel clamp



Spring Loaded Base Support



Effortless positioning
of stirrer motor

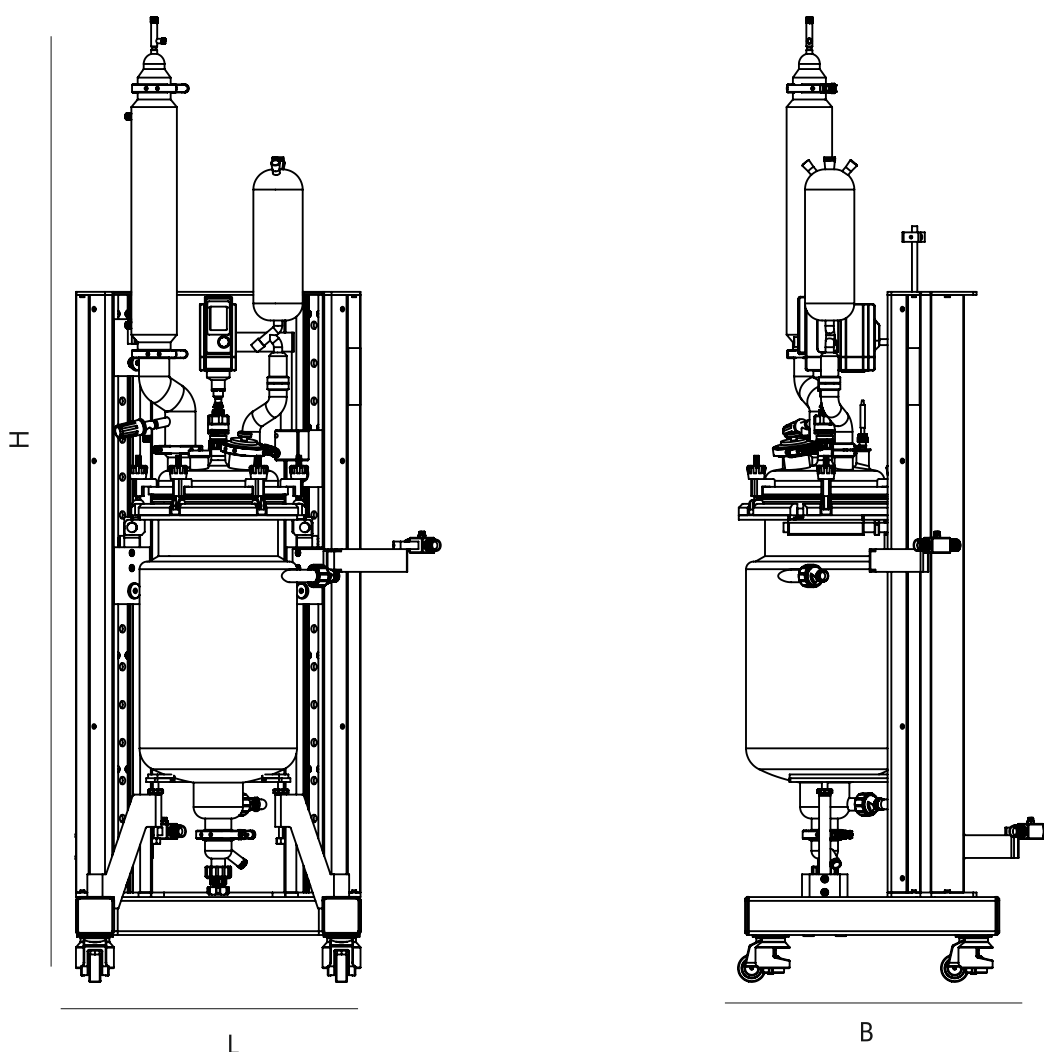
Specifications

Vessel Volume Range	20 , 30 , 50 L
Temperature Range	-40 TO 200 C
Pressure Range	VACUUM (10 MBAR) TO 0.5 barg
Accessories	Condenser , stirrer , probes , baffle , solid & liquid dosing funnel , port adapters , stoppers , etc
Automation	Automation upgrades available
Overhead Stirrer Drive	Electric , manual

Dimensions and Ordering Information

Assembly code	Capacity	Flange type	LXBXH (mm)	Jacket type
BLMRAPR020XJ00000	20L	Dn300	750 X 670 X 2220	single / double jacketed
BLMRAPR030XJ00000	30L	Dn300	750 X 670 X 2280	single / double jacketed
BLMRAPR050XJ00000	50L	Dn300	750 X 670 X 2350	single jacketed

** Customization are available as per requirements & price on request.



CANVAS

Redefining Automated Reactor Systems

Canvas revolutionizes chemical processing with unmatched efficiency, precision, and adaptability. Designed as a versatile platform, it empowers scientists and engineers to seamlessly execute complex reactions.

With advanced automation, Canvas delivers precise control over temperature, pressure, mixing, and reagent addition, eliminating manual complexities and setting a new benchmark for accuracy and reliability.





Precision Engineering

Provides precise control over critical parameters like temperature, pressure, gravimetric addition and mixing, guaranteeing consistent and reliable results



Automation at Its Best

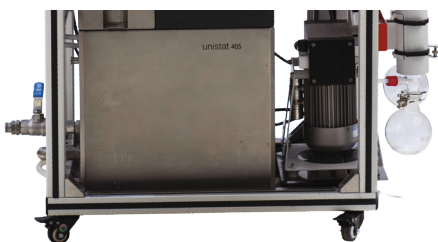
Minimizes manual intervention by automating reaction protocols, data logging, and safety measures.

Enhances accuracy and control through an intuitive single-screen interface.



User-Friendly Interface

A sleek and intuitive design ensures effortless navigation, enabling users to monitor and adjust reaction parameters like temperature, pressure, and stirring speed in real time.



Mobility

Easily movable, allowing flexible reactor placement and seamless connectivity with various devices.

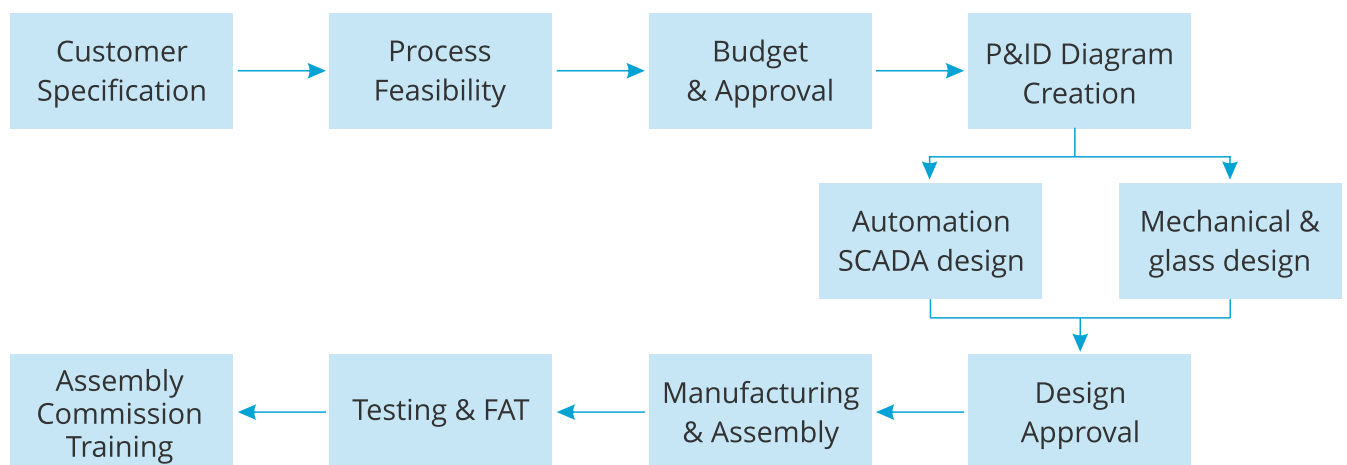
TURN KEY PROJECTS

Our team of System Integrators, Chemical engineers, Mechanical designers, PLC designers, and Glass experts are capable to deliver any sort of pilot system from 25L Kilo Lab to 250L pilot plant scale projects.

We engage closely with our customers and EPC to design the systems. We also co-ordinate and integrate all kinds of utilities and services ranging from heating and cooling and vacuum systems, electrical systems, power backups and essential civil work.

We deal with wide range of industries, including food, pharma, oil, chemical and many more...

Our Process

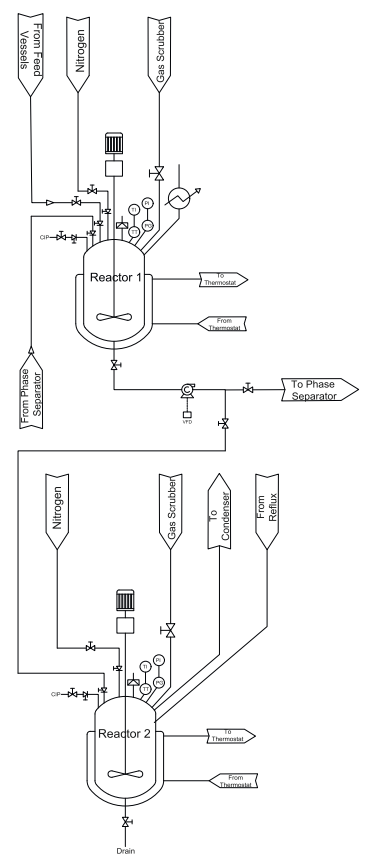


Features

- Pneumatically operated valves
- Automatic dosing
- Gravimetric dosing
- Single point temperature and flow control
- Pressure and vacuum stability

Applications

- Vacuum and Reflux Distillation
- Azeotropic Distillation (Phase Separation)
- Evaporation to any desired consistency
- Multi component reactions
- Reflection / Stripping
- Crystallization
- Low temperature chemistry
- Extraction of multi phase mixture



SMART & SCALABLE AUTOMATION SOLUTIONS

We commit to provide complete automation systems for Lab reactors and ensure that our users achieve absolute peak precision and efficiency in their processes. Our automation systems enable precise control of key parameters such as temperature, stirring speed, and dosing. These systems cater recipe making, real-time monitoring and data logging capabilities, allowing for detailed analysis of reaction performance over time. Our solutions range from PC-based software solutions to dedicated Local & Remote Stations with Customized Machine Interface. We closely interact with our clients to understand their specific requirements and provide customized automation solutions that are tailored to their needs. Our expert team of engineers and technicians provide consultation and support throughout the entire procedure, ensuring that you can achieve the best possible outcomes from our lab and pilot reactor systems.

Offerings

Auto Basic

Auto Expert

Auto Advanced

Additions

Upto 2 Devices (IKA, Huber)

Upto 4 Devices(IKA,Huber,Mettler,Vacuubrand)

8+ Devices

PC based Scada Solutions

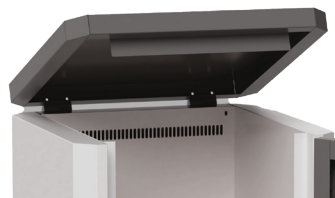
Power distribution with complete control



RADIANCE BATCH

Integrated Brilliance for Effortless Control

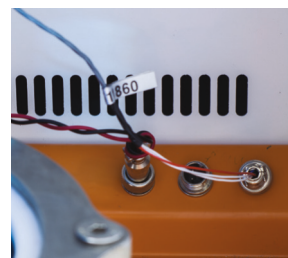
Radiance Batch is a versatile and well-established modular system designed for photochemical experiments in laboratory environments. It accommodates various light sources, such as medium-pressure lamps, 100-watt and 200-watt LEDs, xenon lamps, and low-pressure lamps. The system also includes a built-in heater and stirrer. The Radiance Batch provides specialized photoreactors and radiation sources, ideal for fundamental experiments and feasibility studies on a laboratory scale.



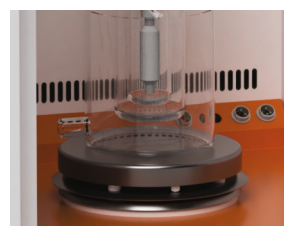
Lift-off top for easy glass access



Live monitoring of input and output chiller temperatures



Quick assembly and disassembly using Aviation plugs



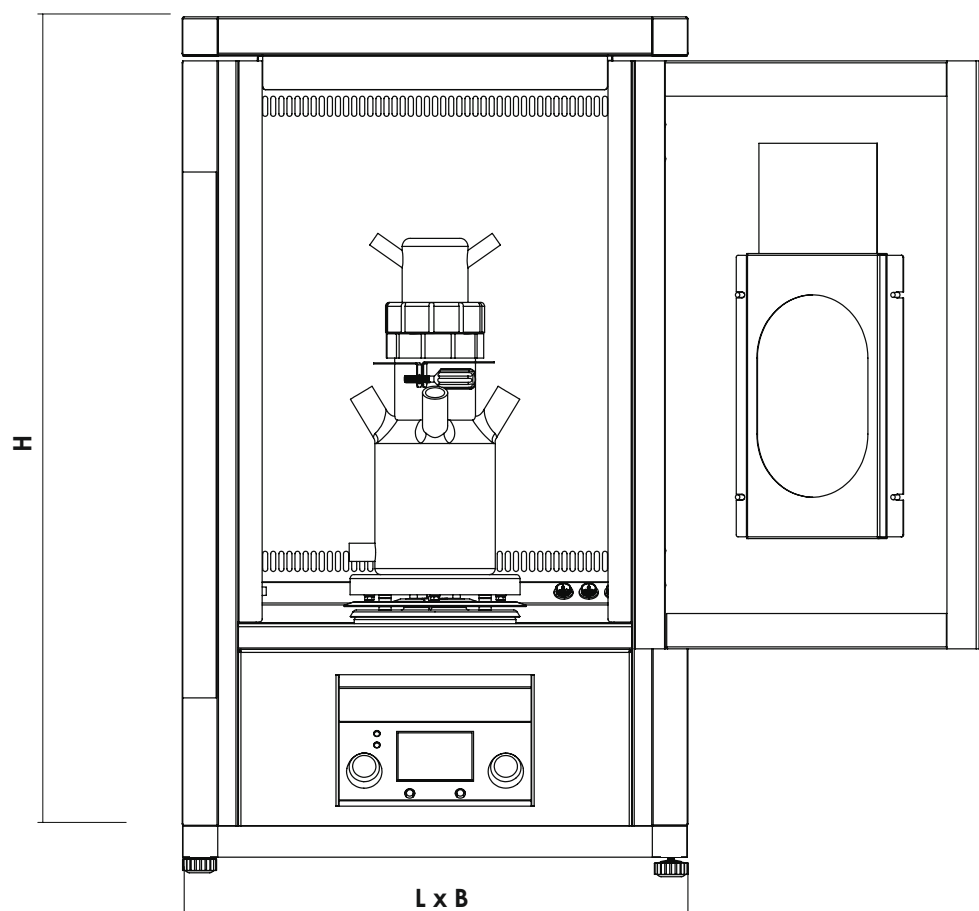
Integrated magnetic heater and stirrer



Viewing window

Specifications

Immersion Well Volume	500ml
Process Vessel Volume	250ml, 500ml, 1L
Temperature Range	-10°C to 100°C
Glass Type	Quartz and borosilicate glass
Lamp Type	Mercury vapour lamp, Xenon lamp (as per requirement)
Enclosure Dimensions (LxBxH)	515 x 515 x 850 mm
Temperature Sensor	RTD Pt100
Ports	Chiller in and out , Sampling port, Nitrogen purging port



RADIANCE FLOW

Integrated Brilliance for Effortless Control

The Radiance Flow reactor offers continuous operation with glass tubes immersed in a temperature-controlled bath, ensuring precise control of photochemical reactions. Its high-power LED or medium-pressure light source maximizes photon efficiency and minimizes losses. Integrated peristaltic pumps simplify setup and control, making the process seamless and user-friendly. This design enables real-time monitoring and process optimization, making it ideal for pharmaceutical applications. By reducing over-irradiation, it minimizes by-products and enhances reaction efficiency. The reactor supports small volumes for early development while maintaining consistent temperatures and flow rates, ensuring smooth and reliable operation.



Live monitoring of input and output chiller temperature



Quick assembly and disassembly using Aviation plugs



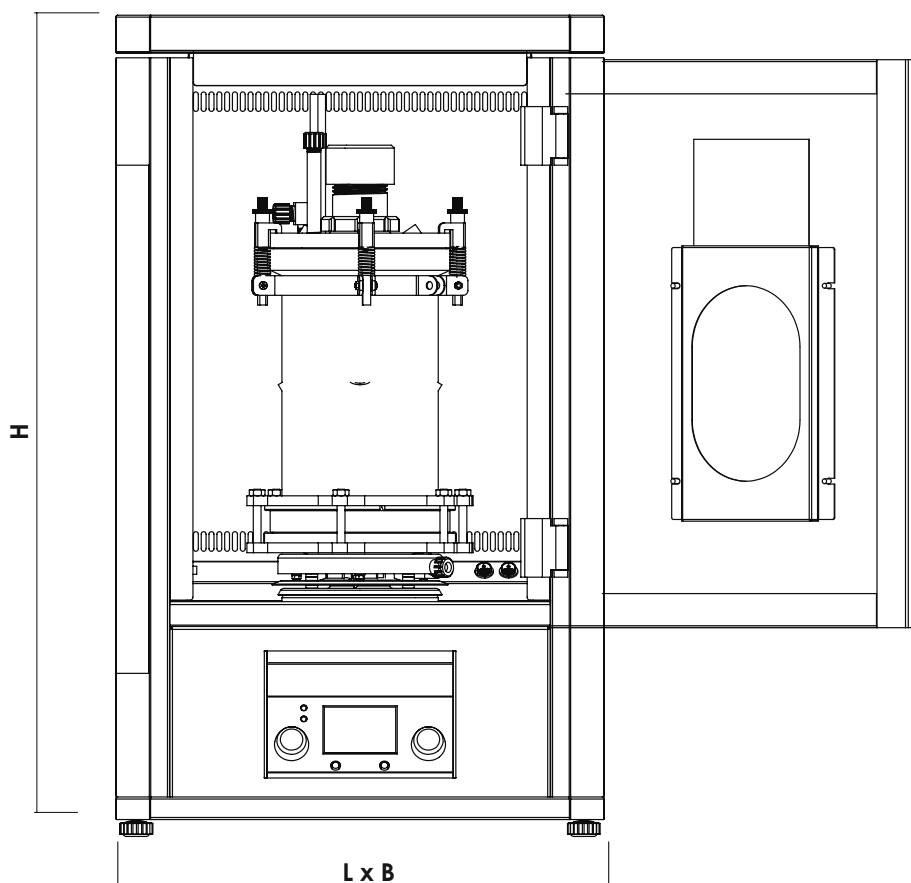
Effortless Cleaning with Quick Release Clamp



Viewing window

Specifications

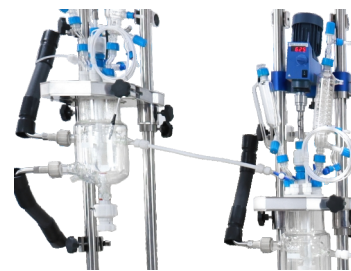
Vessel Volume Range	5 Litre
Process Vessel Volume	100 millilitre
Temperature Range	0°C to Ambient temperature
Pressure Range	1 bar
Glass Type	Quartz and borosilicate glass
Lamp Type	Mercury vapour lamp, Xenon lamp (as per requirement)
Enclosure Dimensions (LxBxH)	515 x 515 x 850 mm
Temperature Sensor	RTD Pt100
Ports	Chiller in and out , Substrate in and product out port



Continuous Stirred Tank Reactor

Turning your chemistry into continuous mode

The CSTR is the go-to reactor for transitioning your process mode from batch to continuous processing. With its innovative overflow nozzle, precise residence time control, and ability to operate in cascade for plug flow-like performance, it delivers uniform product quality and seamless scalability. This reactor is a versatile and reliable solution for modern chemical manufacturing



Continuous Output through smart overflow nozzle design.

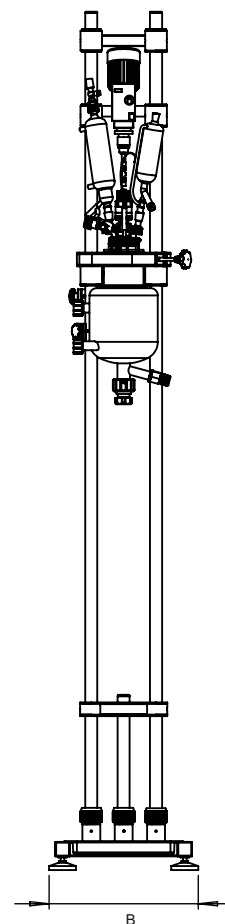
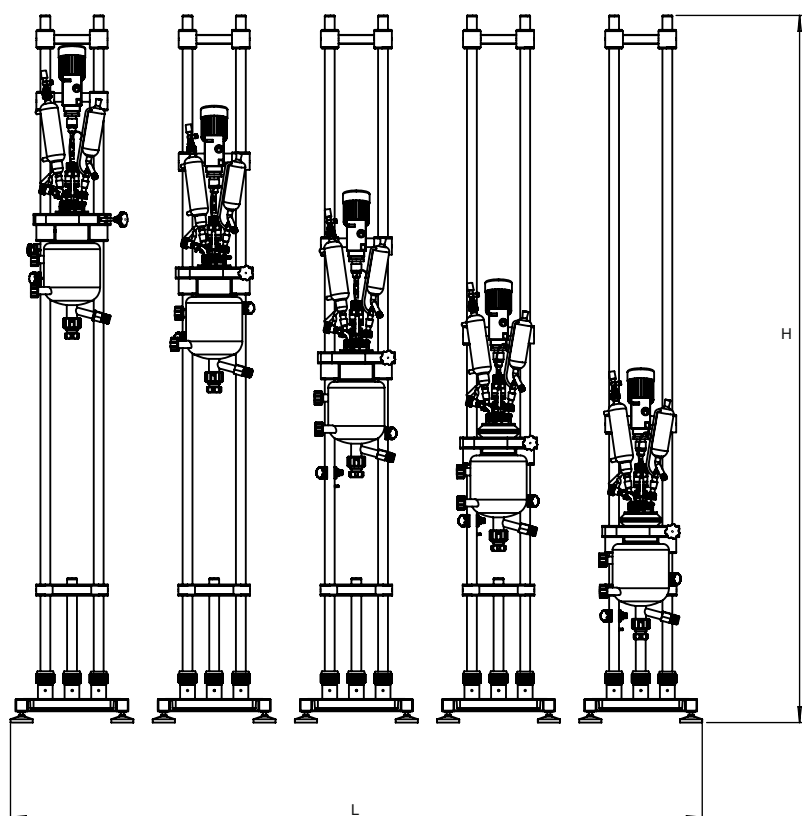


Uniform Product Quality with consistent mixing.



Specifications

Vessel Volume Range	0-5 L
Temperature Range	-40 TO 200 C
Pressure Range	VACUUM (10 MBAR) TO 0.5 barg
Accessories	Condenser , stirrer , probes , baffle , solid & liquid dosing funnel , port adapters , stoppers , etc
Automation	Automation upgrades available
Overhead Stirrer Drive	Electric , manual
Cascade Mode	Max:5 in No's





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