



CE REACTORS

Your Benefits

- Monoblock Type
- Cryo-Fix Agitators
- Larger Volume Reactors
- Increased Heat Transfer Area



Standard Glass™
Customer Inspired Excellence

Standard Glass Lining Technology Limited (Standard Group company) is a leading manufacturer of Glass lined equipment and Alloy equipment. Standard glass clientele includes major manufactures of Pharmaceutical, API / Bulk Drugs, Chemical, Agrochemical, Biotechnology, Life Science and Food industries.

Our Equipment is designed and manufactured as per international codes like DIN, ASME, BS, PED etc. for better performance and durability.

Standard Group manufacturing facilities are fitted with best world class machinery and U stamp certified by ASME.

Our Organisation certified with ISO 9001:2015, 14001:2015, 27001:2022, 45001:2018.

Our Equipments:

- **Glass lined equipment and Alloy equipment:** Reactors, Receivers, Storage Tanks, Heat Exchangers, Dryers and Filters, ANFD, RCVD, VTD, Nauta and Conical Dryers, PNF, Candle Filters, Single Fluid Heating and Cooling System, ANF, Tray Dryers, Leaf Filters, Distillation Columns, Double Cone and V-Blenders, Polygon Blenders, Octagonal Blenders, Fluidized Bed Dryer, Falling Film Evaporator, RVPD
- Vacuum Pumps, Dry Claw Vacuum Pumps, Rotary Vane Pumps
- Mechanical Seals, Seal Support Systems

and Bearing Seals

- Ball Valves, Butterfly Valves, Flush Bottom Valves
- Isolators for API, Formulation and Injectable, Powder Charging Systems
- PTFE Lined Products, Strainer, Valves

Custom built equipment is done on request of client.

CE Reactors:

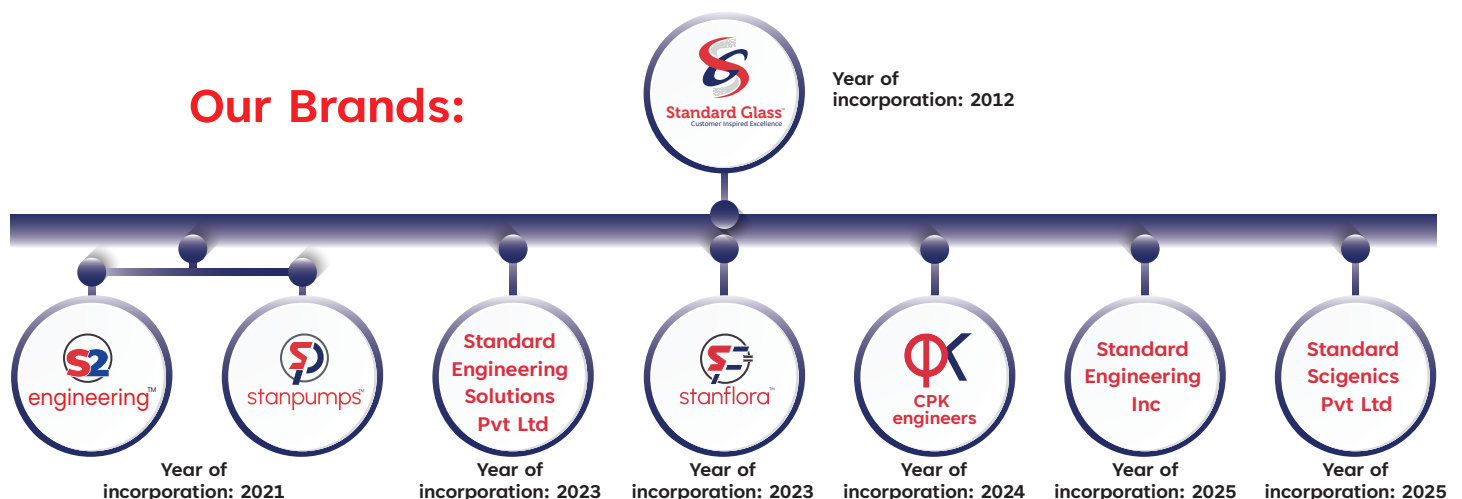
Monoblock pressure vessels are a specific type of pressure vessel design characterized by their construction as a single, integrated unit.

Unlike traditional pressure vessels, which may have multiple welded or bolted components, Monoblock pressure vessels are manufactured as a single with a centre opening cover. This design offers certain advantages in terms of strength, durability, and reduced risk of leakage. This construction eliminates the need for multiple welds or joints, which can be potential points of weakness or leakage in traditional vessels.

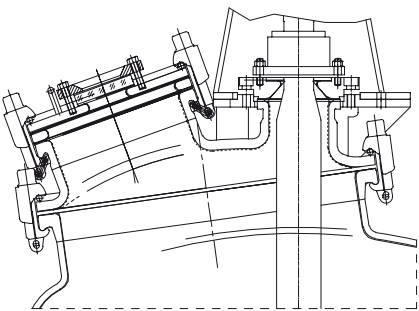
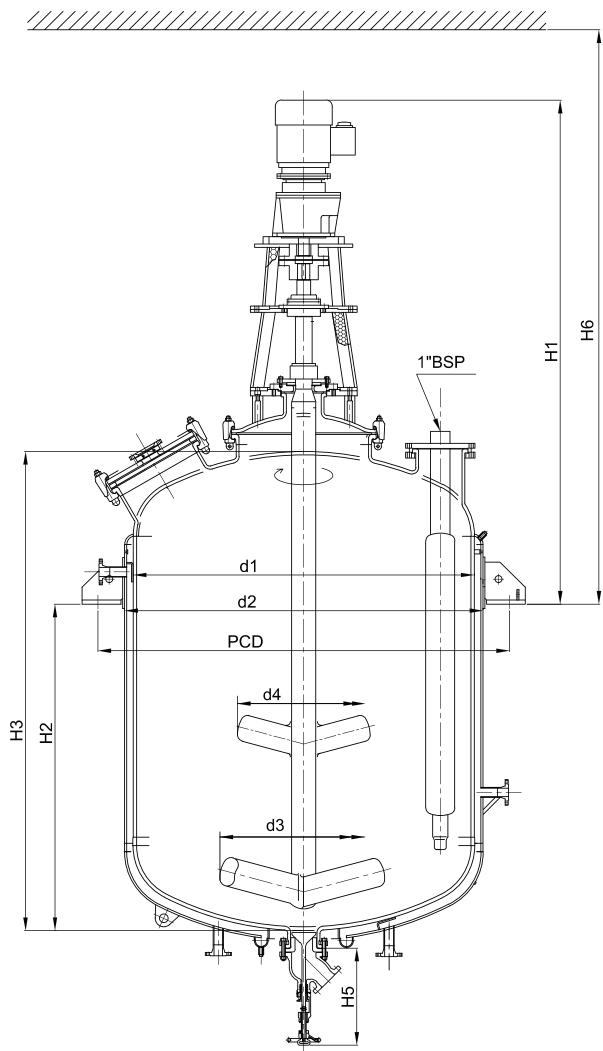
Design Conditions:

- Design pressure: FV / 6 bar
- Design temperature: -28.8 °C to +220 °C

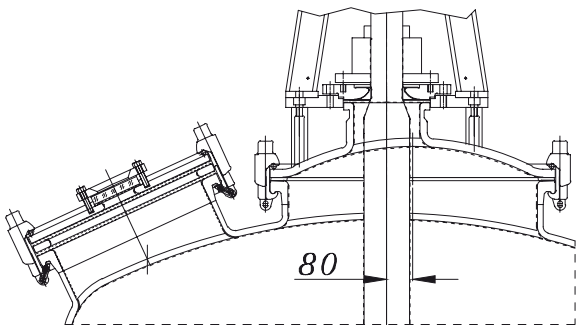
Our Brands:



Dimensions



Center opening for
1600 to 4000 Capacity

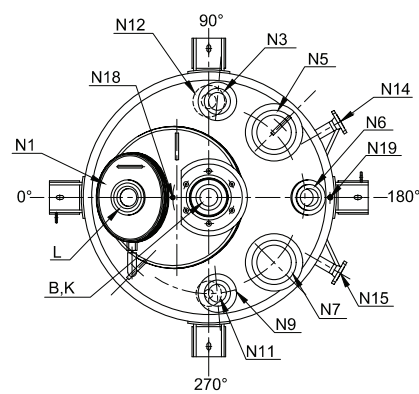


Center opening for
5000 to 6300 Capacity

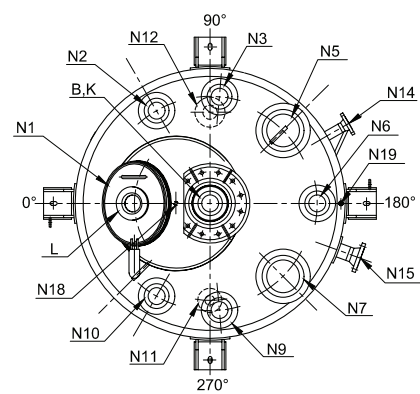
All dimensions are in MM and volume is in liters

Capacity in Liters	Main Dimensions										Total Volume in Liters	Jacket Volume in Liters	Heat Transfer Area in m²	Motor Capacity in H.P.	Total Weight in Kg
	Vessel OD d1	Jacket OD d2	d3	d4	PCD	H1	H2	H3	H5	H6					
1600	1400	1500	840	--	1780	2370	977	1612	521	4080	2047	284	6.50	5.0	3,590
2000	1400	1500	840	--	1780	2370	1159	1794	521	4260	2316	316	7.40	5.0	3,712
3000	1600	1700	960	--	1980	2415	1312	1996	521	4625	3347	420	9.30	5.0	4,845
4000	1800	1900	1100	--	2210	2644	1523	2303	521	5100	4875	511	12.20	7.5	5,480
5000	2000	2100	1100	--	2414	2950	1527	2334	572	5170	6060	580	13.60	10.0	7,000
6300	2000	2100	1100	--	2414	3060	2023	2830	572	5660	7565	701	16.80	12.5	7,680
8000	2200	2300	1100	--	2614	3294	1940	3000	572	6280	9300	766	18.90	15.0	8,850
10000	2400	2500	1350	800	2868	3466	2064	3183	572	6810	11980	881	21.40	15.0	11,250
12500	2400	2500	1350	800	2868	3466	2664	3783	572	7410	14580	1056	26.10	20.0	13,050
16000	2800	2900	1350	1000	3230	4005	2481	3705	572	7850	19000	1116	29.30	20.0	16,350
20000	2800	2900	1350	750	3272	4184	3148	4385	575	8550	22980	1371	34.60	30.0	43,799
25000	3000	3100	1600	900	3850	4536	3205	4755	575	9250	28766	1696	40.40	40.0	49,662
32000	3400	3550	1700	1100	4400	4956	3111	4848	575	9750	37155	2835	45.89	50.0	71,560
40000	3600	3750	1800	1100	4600	5233	3538	5329	575	10750	46479	3048	54.00	50.0	85,845

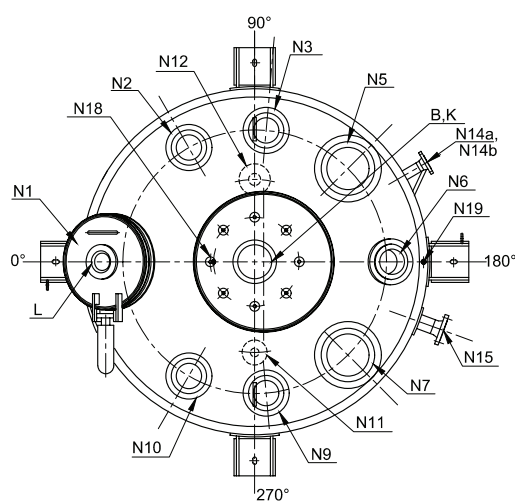
Nozzle Orientation



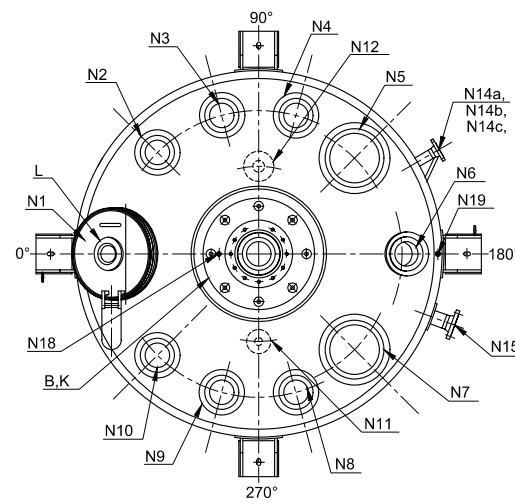
Head Layout ①



Head Layout ②



Head Layout ③

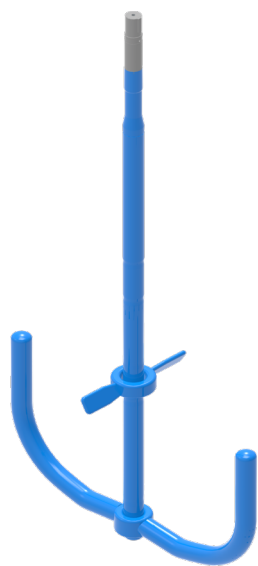


Head Layout ④

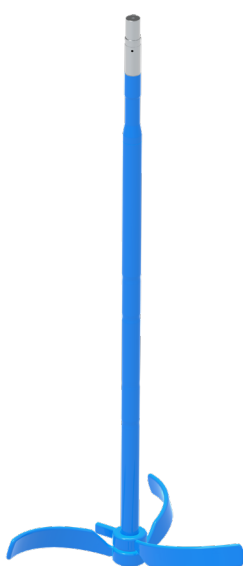
All dimensions are in MM

Capacity in Liters	Head Layout	Vessel & Cover Nozzles as per DIN													Jacket Nozzles Quantity as per DIN					
		N1	L	B	K	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N14 a,b,c	N15	N18	N19
1600	1	350x 450	100	150	100	-	100	-	200	100	200	-	100	-	50	50	50	50	1/2"	1/2"
2000	1	350x 450	100	150	100	-	100	-	200	100	200	-	100	-	50	50	50	50	1/2"	1/2"
3000	2	350x 450	100	150	100	100	100	-	200	100	200	-	100	100	50	50	50	50	1/2"	1/2"
4000	2	350x 450	100	150	100	150	150	-	250	150	250	-	150	150	50	50	50	50	1/2"	1/2"
5000	3	500	100	200	150	150	150	-	250	150	250	-	150	150	50	80	50(2)	80	1/2"	1/2"
6300	3	500	100	200	150	150	150	-	250	150	250	-	150	150	50	80	50(2)	80	1/2"	1/2"
8000	4	500	100	200	150	150	150	150	300	150	300	150	150	150	50	80	50(3)	80	1/2"	1/2"
10000	4	500	100	250	150	200	200	250	300	200	300	200	250	200	50	80	50(3)	80	1/2"	1/2"
12500	4	500	100	250	150	200	200	250	300	200	300	200	250	200	50	80	50(3)	80	1/2"	1/2"
16000	4	500	100	250	150	200	200	300	400	200	400	200	300	200	50	80	50(3)	80	1/2"	1/2"
20000	4	500	100	250	150	200	200	300	400	200	400	200	300	200	50	80	50(3)	80	1/2"	1/2"
25000	4	500	100	250	150	200	200	300	400	200	400	200	300	200	50	80	50(3)	80	1/2"	1/2"
32000	4	500	100	250	150	200	200	400	400	200	400	200	400	200	100	100	100(1) 80(2)	100	1/2"	1/2"
40000	4	600	100	250	150	200	200	400	400	200	400	200	400	200	100	100	100(1) 80(2)	100	1"	1"

Types of Agitators



Anchor



Cryo Propellor



2 Stage CBRT



Cryo CBRT+TBF



Cryo CBT



Cryo CBRT



Cryo TBF

Glass:

Available in

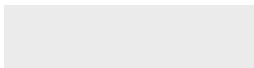
- Mild Steel / Carbon Steel
- Stainless Steel



Standark Blue



Stansky Blue



Stansnow White

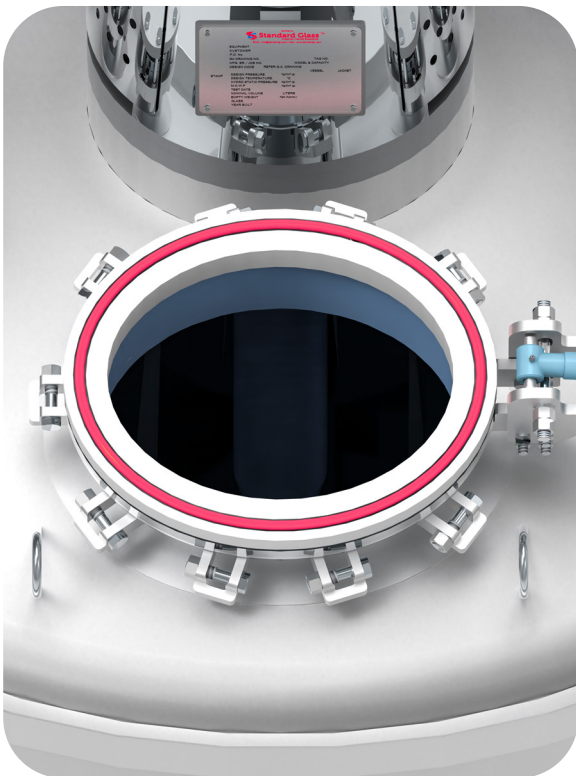
Note: For more information please refer stanglass catalogue

Extra Accessories

Innovation and Development

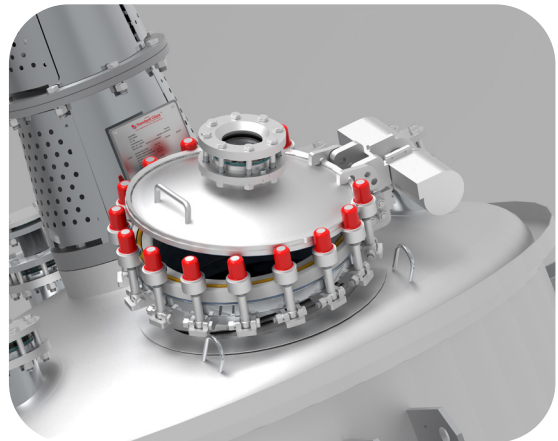
SMART SEAL®

- The Protective bush is designed to fit snugly around the manhole cover of a glass-lined reactor, providing a barrier to prevent the maintenance hole cover from hitting the vessel.
- The protective bush is made of a durable, non-contaminating material and is designed to be easily removable for cleaning or maintenance purposes.
- No Shimming Required
- Less Maintenance
- Easy to Clean
- Zero Skill Installation
- Gasket Free
- High Durability



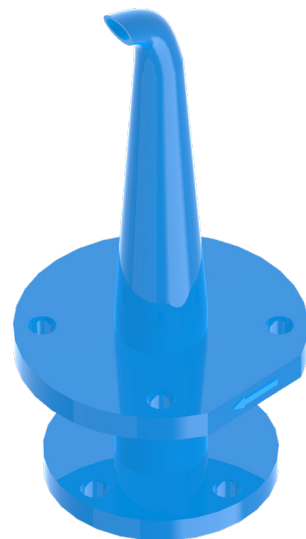
STAN BALANCER FOR MANHOLE COVER WITH CAMLOCK

A stan balancer is a double-spring mechanism that prevents the manhole from a sudden fall and hitting.



AGITATING NOZZLE

Agitating nozzles are designed to improve the flow dynamics within jacketed reactors. They achieve this by generating turbulent flow, which is essential for effective heating or cooling of the reactor contents. The nozzles project into the jacket space and create a hydraulic jet that discharges at a right angle, promoting turbulence throughout the jacket. This turbulence is crucial for maintaining uniform temperature distribution and optimizing heat transfer efficiency.



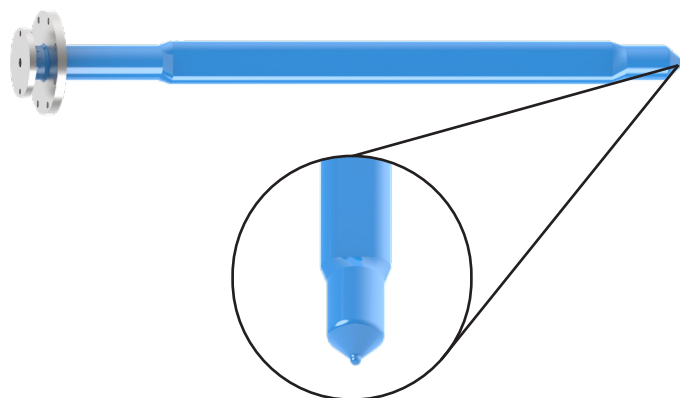
NOZZLE CLEANING RING

Nozzle Cleaning Ring provides better cleaning from nozzle top after batch to avoid any contamination.



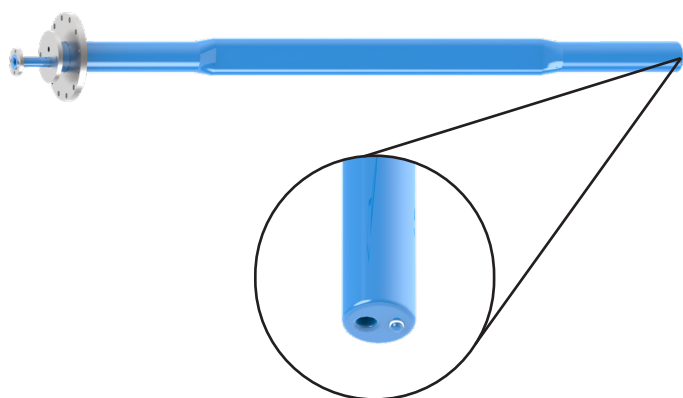
CONDUCTIVE BEAVER TAIL BAFFLE

Glass lined with conductive glass to avoid static charge and minimize or avoid glass damage.



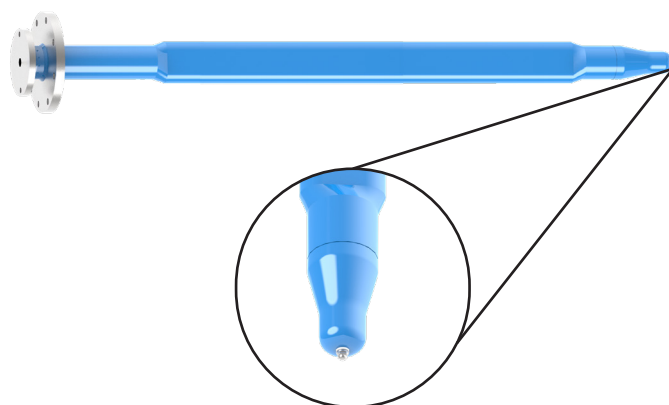
BAFFLE CUM DIP PIPE

Optimized design for combining baffle and dip pipe as a single component. This means that one more nozzle is available.



BAFFLE WITH TANTALUM TIP

Adding a tantalum tip at the bottom of the baffle helps for fast temperature respond.



CONDUCTIVE SPINDLE

The spindle has an Antistatic glass tip that improves time temperature respond.



Certification available:



Our **company** serves:

- Pharmaceuticals
- API
- Chemical
- Agrochemical
- Biotechnology
- Life Sciences
- Food and Beverages



Scan to



Know more

Corporate Headquarters:

Standard Glass Lining Technology Ltd

2nd Floor 16-2-23/2, PNR HighNest NH65,
Dharma Reddy Colony Phase II,
Hydernagar, KPHB Colony,
Hyderabad - 500072, India.

Tel: +91 8978 580 684

Email: sales@standardglr.com

Web: www.standardglr.com

Manufacturing Division Headquarters:

Standard Glass Lining Technology Ltd

Survey No: 42A Alinagar, Chetlapotharam Village,
Gaddapotharam, Grampanchayat,
Jinnaram Mandal, Sangareddy Dist - 502319
Telangana, India.



Standard Glass™
Customer Inspired Excellence

Regional Sales Offices:

South

Name: T. Shiva Kumar
Tel: +91 89785 06464 / 89782 88200
Email: shivakumar.t@standardglr.com

Mumbai

Name: George John Rosario
Tel: +91 73306 07558
Email: george.r@reliabilityseals.com

Gujarat

Name: Sumesh Rawell
Tel: +91 87903 17553
Email: sumesh.rawell@standardglr.com

Delhi

Name: Praveen Pandey
Tel: +91 90597 14896
Email: praveen@stangroupco.com