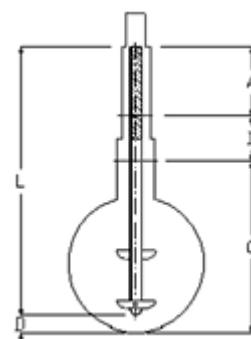


Industrial Glass -Stirrers

Stirrers are assembled in a vessel using a chuck, seal and a reducer. A typical arrangement of stirrer fitted in a vessel is shown in the diagram.

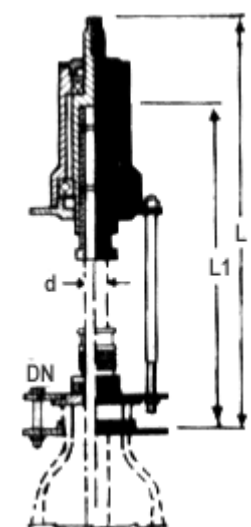
Size	A	B	C	D	L
20 L	250	150	450	25	825
50 L	300	200	600	50	1050
100 L	300	250	700	50	1200
200 L	300	300	900	50	1450
300 L	300	25	1000	50	1275



CHUCK & SEAL

This unit is suitable for use under corrosive conditions. Only glass and PTFE are exposed to process fluids. Bellow seal can be used under vacuum down to 10mm Hg absolute. Mechanical seal can be used under vacuum 1mm Hg absolute or under pressure permitted into glass vessels. Generally a reducer is required to connect the chuck and seal to top neck of the vessel.

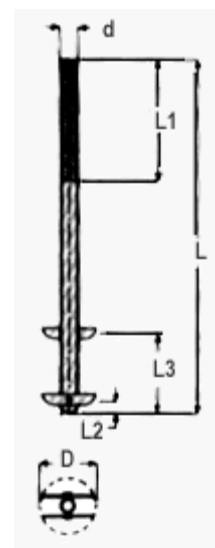
Cat.Ref.	Cat.Ref.	Vessel	DN	L	L1	d
Bellow Seal	Mechanical Seal					
CSA1	CSM1	20 L	50	300	250	25
CSA1.5*	CSM1.5*	50,100,200 L	80	360	300	47



STIRRER WITH TEFLON BLADES

These stirrers are used with liquid of low viscosity.

Cat.Ref.	Vessel	L	L1	L2	L3	d	D
STB10	10	-	-	-	-	-	-
STB20	20	825	350	25	-	25	100
STB50	50	1050	350	25	200	47	150
STB100	100	1200	350	30	250	47	175
STB200	200	1450	350	30	325	47	200
STB300	300	1275	350	30	425	59	275



VORTEX STIRRER

These stirrers are used with liquid of low viscosity containing small solid particles.

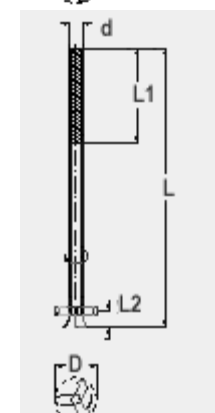
Cat. Ref.	Vessel	L	L1	L2	d	D
STV50	50	1050	400	50	47	95
STV100	100	1200	400	65	47	140
STV200	200	1450	400	65	47	190



PROPELLER STIRRER

These stirrers are used with liquid of high viscosity or liquid with big solid particles.

Cat. Ref.	Vessel	L	L1	L2	d	D
STP50	50	1050	400	50	47	95
STP100	100	1200	400	65	47	145
STP200	200	1400	400	65	47	210

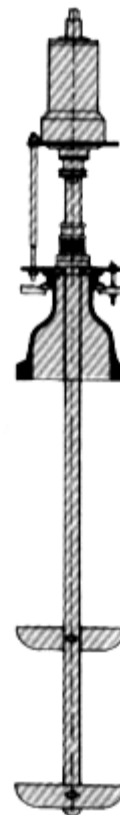


STIRRING ASSEMBLY WITH BELLOW SEAL

A stirrer is assembled in chuck with bellow seal and appropriate reducer. This assembly is convenient to install on a vessel. The assembly consist of :

a. Glass stirrer	STB / STV / STP
b. Chuck and seal assembly	CSA
c. Reducer	PR

Cat. Ref.	For Vessel	Stirrer Used	Chuck & Seal	Reducer Used
STBA20	20L	STB20	CSA1	PR4/2
STBA50*	50L	STB50	CSA1.5	PR6/3
STBA100*	100L	STB100	CSA1.5	PR9/3
STBA200	200L	STB200	CSA1.5	PR12/3
STVA50	50L	STV50	CSA1.5	PR6/3
STVA100	100L	STV100	CSA1.5	PR9/3
STVA200	200L	STV200	CSA1.5	PR12/3
STPA50	50L	STP50	CSA1.5	PR6/3
STPA100	100L	STP100	CSA1.5	PR9/3
STPA200	200L	STP200	CSA1.5	PR12/3

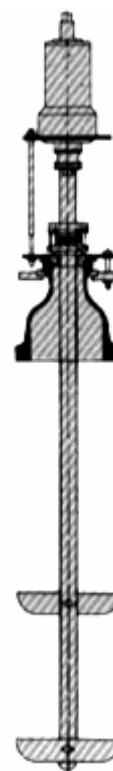


STIRRING ASSEMBLY WITH MECHANICAL SEAL

A stirrer is assembled in chuck with mechanical seal and appropriate reducer. This assembly is convenient to install on a vessel. The assembly consist of :

a. Glass stirrer	STB / STV / STP
b. Chuck and mechanical seal	CSM
c. Reducer	PR

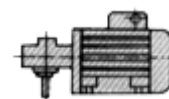
Cat. Ref.	For Vessel	Stirrer Used	Chuck & Seal	Reducer Used
STBA20	20L	STB20	CSA1	PR4/2
STBA50*	50L	STB50	CSA1.5	PR6/3
STBA100*	100L	STB100	CSA1.5	PR9/3
STBA200	200L	STB200	CSA1.5	PR12/3
STB300	300L	STB300	CSA2	-
STVA50	50L	STV50	CSA1.5	PR6/3
STVA100	100L	STV100	CSA1.5	PR9/3
STVA200	200L	STV200	CSA1.5	PR12/3
STPA50	50L	STP50	CSA1.5	PR6/3
STPA100	100L	STP100	CSA1.5	PR9/3
STPA200	200L	STP200	CSA1.5	PR12/3



STIRRER DRIVES

A 1400 RPM 3 Phase non-flameproof motor with built-in gear is supplied along with a flexible shaft. A motor coupling to couple the flexible shaft to motor is also provided. Other end of the flexible shaft is to be fitted into the chuck.

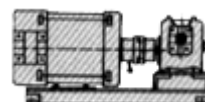
Cat.Ref.	HP	RPM
RSD.5*	0.5	192



FLAMEPROOF STIRRER DRIVES

A 1400 RPM 3 Phase flameproof motor coupled with reduction gear is supplied along with a flexible shaft. Motor is mounted on a metal base frame, which is designed to install easily with a Glass Assembly.

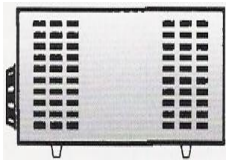
Cat.Ref.	HP	RPM
FSD.5	0.5	192



SPEED REGULATORS

3 Phase non-flameproof regulators are available to control the speed of stirrer drives.

Cat.Ref.	Phase	Type
REG3	3	A
VFD3	3	B



* marked items are available fast.