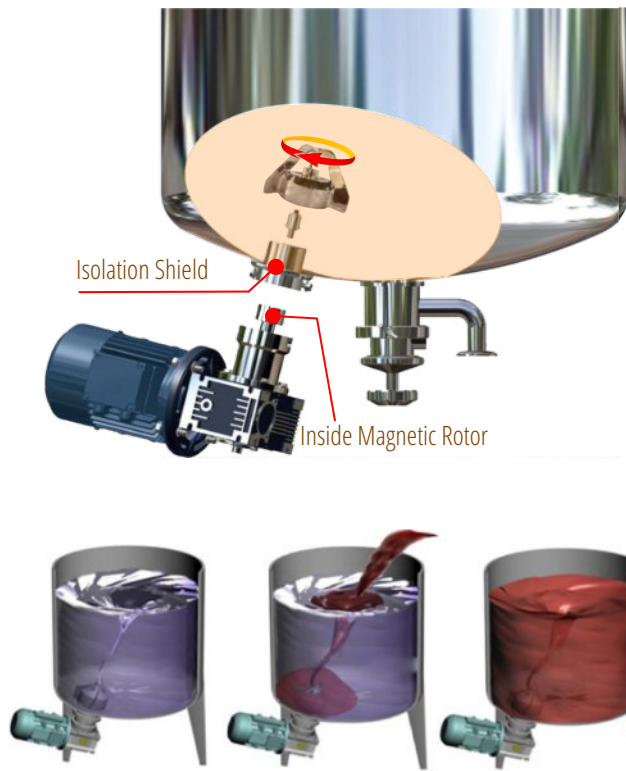


With the booming development of biopharmaceutical industry, mixer has become one of the indispensable equipment in the integrated system of biopharmaceutical, and one of its key technologies is the sealing problem. At present, most mixers use single-ended or double-ended mechanical seals. This traditional sealing technology, although playing an important role, and there is still a large number of the existence and use, in recent years, there are also improvements to its own structure, but the essence is still a dynamic seal, the need for lubrication, cooling, there is contact, relative motion, temperature rise, wear and tear, material shedding, easy to contaminate bacteria, maintenance, the risk is always present. Therefore, for the biopharmaceutical industry, especially for the occasion of high gas-tightness requirements, mechanical seals have great limitations and inapplicability.

SeFluid magnetic mixer series is a special leak-free type of mixer designed for such situations. It eliminates any leaks and is particularly suitable for stirring in highly sealed conditions.



How it works?

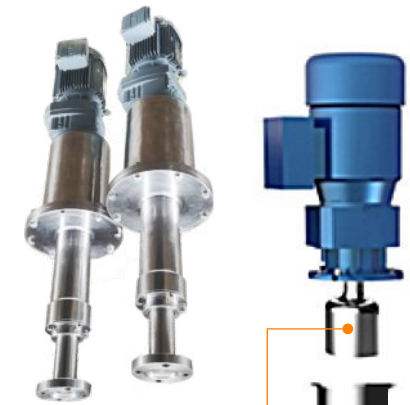
The magnetic mixer is rotated by the stirring impeller to create a vortex, which will suck the dissolvable powder or liquid into the vortex, and is quickly sucked to the stirring impeller. In the direction of stirring impeller suction, with the strong centrifugal force generated by the rotation of the impeller, the different media are impelled to the tank wall in the form of radiation by the outer diameter of the impeller. After hitting the tank wall, the medium is sucked back to the suction end of the impeller with the impulse force and rising cycle. Under the impeller thrust action of non-stop movement, stirring and reaction, so that homogeneity, mixing, dissolution, dispersion can be achieved.

Features

- Simple structure, easy to dismantle, easy to clean, no dead space.
- Excellent low level mixing, can also be used in the case of little material. Mixing blade can be customized to suit different media mixing and blending.
- Impellers can withstand short dry runs under normal conditions without wear and tear.
- Low maintenance frequency, no seal, shaft or bearing replacement.
- Compact structure, frictionless, low energy consumption, zero leakage, static seal, and able to be cleaned and sterilized online.
- Suitable for mixing device of various stainless steel reaction tanks and liquid dispensing tanks, which can be used for heating or heating and stirring at the same time.
- Can form an absolutely closed space, cleaner and more airtight, conducive to heating, preventing boil-off and leakage.
- Replace dynamic mechanical seal with welded isolation sleeve static dead seal, completely solve the problem of dynamic mechanical seal leakage.
- Simple structure, easy to dismantle so that the reactants are mixed evenly and the temperature is uniform.

Technical Specification
 (Top Entry Magnetic Mixer)

MODEL	CAPACITY (L)	MOTOR POWER (kw)	SPEED (rpm)	MODEL	CAPACITY (L)	MOTOR POWER (kw)	SPEED (rpm)
SRSC50	50L	0.4	50-200	SRSC1000	1000L	1.5	50-200
SRSC100	100L	0.4	50-200	SRSC2000	2000L	3.0	50-200
SRSC200	200L	0.75	50-200	SRSC3000	3000L	4.0	50-200
SRSC300	300L	0.75	50-200	SRSC4000	4000L	5.5	50-200
SRSC500	500L	1.1	50-200	SRSC5000	5000L	7.5	50-200



Top Entry Magnetic Mixer

- Outside Magnetic Rotor
- Isolation Shield
- Inside Magnetic Rotor



Technical Specification
 (Bottom Entry Magnetic Mixer)

MODEL	CAPACITY	POWER						MODEL	CAPACITY	POWER					
		≤120rpm	≤230rpm	≤350rpm	≤450rpm	≤620rpm	≤960rpm			≤120rpm	≤230rpm	≤350rpm	≤450rpm	≤620rpm	≤960rpm
SCLQ5/67	10-200	0.06	0.06	0.09	0.12	0.18	0.25	SCLQ60/220	1500-15000	1.1	1.5	2.2	3	0	0
SCLQ5/78	10-300	0.06	0.09	0.12	0.18	0.25	0.37	SCLQ80/215	2000-20000	1.1	1.5	2.2	3	4	7.5
SCLQ10/108	50-800	0.09	0.12	0.18	0.25	0.37	0.55	SCLQ80/245	3000-20000	1.5	2.2	3	4	0	0
SCLQ10/114	100-1200	0.12	0.18	0.25	0.37	0.55	0.75	SCLQ120/240	4000-25000	1.5	2.2	3	4	5.5	11
SCLQ20/130	200-2500	0.18	0.25	0.37	0.55	0.75	1.1	SCLQ120/275	5000-20000	2.2	3	4	5.5	0	0
SCLQ20/145	200-3000	0.25	0.37	0.55	0.75	1.1	1.5	SCLQ160/280	6000-30000	2.2	3	4	5.5	7.5	15
SCLQ30/145	300-4000	0.37	0.55	0.75	1.1	1.5	2.2	SCLQ160/320	6000-30000	3	4	5.5	7.5	0	0
SCLQ30/165	500-5000	0.55	0.75	1.1	1.5	2.2	0	SCLQ200/342	10000-35000	3	4	5.5	7.5	11	0
SCLQ40/175	500-8000	0.55	0.75	1.1	1.5	2.2	3	SCLQ200/390	12000-35000	4	5.5	7.5	11	0	0
SCLQ40/190	1000-3000	0.75	1.1	1.5	2.2	3	0	SCLQ300/415	15000-40000	5.5	7.5	11	15	0	0
SCLQ60/190	1500-15000	0.75	1.1	0.75	2.2	3	4	SCLQ300/460	20000-50000	7.5	11	15	18.5	0	0