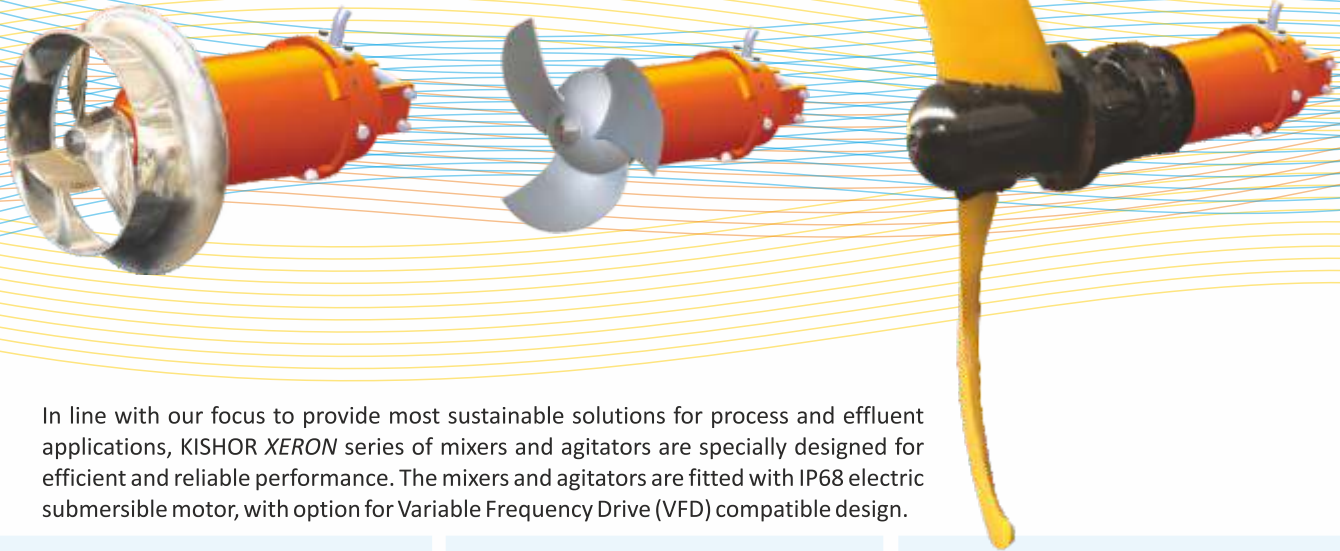


Mixers & Agitators



In line with our focus to provide most sustainable solutions for process and effluent applications, KISHOR XERON series of mixers and agitators are specially designed for efficient and reliable performance. The mixers and agitators are fitted with IP68 electric submersible motor, with option for Variable Frequency Drive (VFD) compatible design.

User Industries :

- Environmental & Wastewater Treatment
- Bio-gas plants
- Paint shops
- Chemical plants
- Iron & steel plants
- Paper & pulp plants

Designed for :

- Turbulent flow mixing
- Flash mixing
- Circulating
- Liquids with high solid contents
- Loosening of sedimentary deposits
- Homogenization of sludge

Versions :

★ **KISHOR XERON D** is a direct drive version, normally used for small ponds or tanks with difficult, complicated geometry. Due to small propeller diameter, it can also be mounted in a shallow tank. It is ideal for turbulent, strong mixing as well as for loosening sediments.

★ **KISHOR XERON G** is a geared drive version for reduced speed, normally used for large ponds or tanks. It is effective in gentle mixing and circulation of waste water in ponds, tanks, channels, oxidation ditches, especially the longer ones.

Applications :

- Sewage treatment plants
 - * Activated sludge treatment
 - * Bio-reactor
 - * Grit chamber mixing
- Paper pulp chests
- Wastewater treatment & Zero Liquid Discharge (ZLD) plants
 - * Equalizing reservoir
 - * Chlorination basins
- Agriculture & water supply.

Installations :

The **D** version can be installed on a **Flexibase (SF)** or with **Rotocoupling (SR)**.
The **G** version can be installed with **Pentacoupling (SP)** only.

XERON D	Motor rating			Dia mm	Thrust N	Inst. Options
	hp	rpm	poles			
XERON D 022B 0BL	0.5	960	6	220	138	SF / SR
XERON D 022B 0CM	0.7	1400	4	220	145	SF / SR
XERON D 026C 0DU	1	740	8	260	163	SF / SR
XERON D 026C 02L	2	960	6	260	290	SF / SR
XERON D 032C 03U	3	740	8	320	582	SR
XERON D 032C 05L	5	960	6	320	609	SR
XERON D 040C 02U	2	740	8	400	600	SR
XERON D 040C 03U	3	740	8	400	800	SR
XERON D 040C 04U	4	740	8	400	920	SR
XERON D 040C 05L	5	960	6	400	1200	SR
XERON D 062C 05W	5	480	12	620	1400	SR
XERON D 062C 07W	7.5	480	12	620	1800	SR
XERON D 062C 10W	10	480	12	620	2600	SR
XERON D 062C 15W	15	480	12	620	3300	SR

XERON G	Motor rating		Dia mm	Thrust N	Inst. Options
	hp	rpm			
XERON G 110B 03M	3	52	1100	1100	SP
XERON G 110B 04M	4	63	1100	1500	SP
XERON G 110B 05M	5	85	1100	2600	SP
XERON G 140B 04M	4	43	1400	1740	SP
XERON G 140B 05M	5	52	1400	2950	SP
XERON G 180B 04M	4	34	1800	2320	SP
XERON G 180B 05M	5	43	1800	3200	SP
XERON G 250B 04M	4	34	2500	2500	SP
XERON G 250B 05M	5	43	2500	3080	SP
XERON G 250B 10M	10	52	2500	3940	SP

Standard Performance Data :

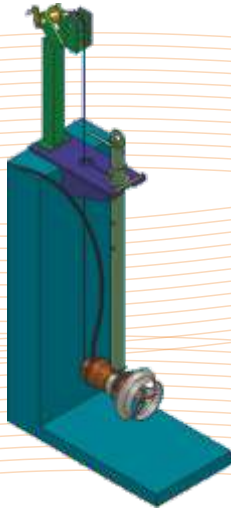
- Temperature : max. 40 °C
- Viscosity of the liquid : max 20 cSt
- Sp. Gravity : upto 1.15
- Max solid content in the liquid 10% by weight
- Electric supply : 415 V, 50 Hz, 3 phase.
- Motor : 'F' class insulation, IP 68 protection, designed for continuous operation
- Cable : 10 m
- VFD compatible design (Optional)

Standard Materials :

- Dome : Stainless steel (Only for XERON D)
- Impeller: Stainless steel (Only for XERON G)
- Shaft : SS 410 / SS 420
- * other materials available on request for the above

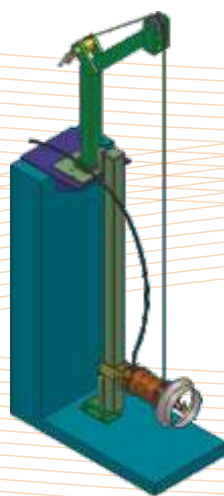
Unique Product Benefits :

- Swept back blades : Self-cleaning, ideal for liquid with fibrous material
- Optimum mixing & highly efficient : Power saving, higher thrust at low horsepower
- Submersible installation : Silent operation
- Less overhang shaft design : No shaft deflection, prolonged seal & bearing life
- Cost effective installation and maintenance : User friendly design
- Quick removal and installation in the tank : Easy to install, no downtime, no need to drain the tank
- Installation flexibility : Can fit any tank size & shape
- Three degrees of freedom (SR Installation) : Adjustable to user's requirements
- No dead pocket formation in the tank : Uniform mixing
- Low capital cost : Saving of civil costs



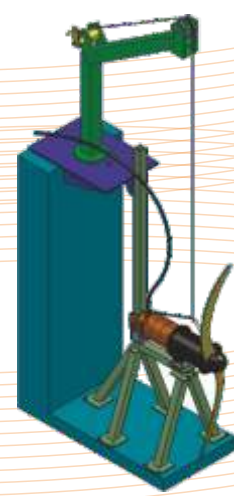
Flexibase (SF) Mounting

- Predetermined fixed height from tank bottom
- Freedom to swing horizontally or vertically, while remaining inside liquid



Rotocoupling (SR) Mounting

- Freedom to adjust height from tank bottom
- Freedom to swing horizontally or vertically, while remaining inside liquid
- Quick & easy removal in case of problem



Pentocoupling (SP) Mounting

- While remaining inside liquid, height adjustment is possible
- Quick & easy removal in case of problem