

Mfg. By



BARODA INDUSTRY
Believe in Power Transmission...



BARODA INDUSTRY

Known as a Leading
Manufacturer, Exporter, Supplier...



“COMPANY INTRODUCTION”

B!_m!xo (Baroda Industry) is a leading manufacturer, exporter, and supplier of industrial stirring and process assembly solutions, headquartered in Vadodara, Gujarat, India. Established in 2018 and ISO 9001:2015 certified, we deliver high-performance, reliable equipment and precision glass assemblies to pharmaceutical, chemical, food processing, agricultural, laboratory, paint & coating, and other industrial sectors. Our products are designed for durability, process efficiency, and compliance with industry safety standards.

Brand Identity — What B!_m!xo Represents

B!_m!xo embodies the fusion of “Blend” and “Mix” with a commitment to robustness and innovation. The “B” represents Baroda — our manufacturing heritage; the exclamation mark (!) symbolizes our emphasis on innovation and attention to detail; and “m!xo” reflects our core expertise in mixing technologies. In short, B!_m!xo stands for precision-engineered mixing solutions from Baroda with innovative design, high reliability, and global reach.

Technical Capabilities & Infrastructure

- Modern manufacturing facility with dedicated production and quality control areas.
- In-house engineering and design team for customized solutions spanning 20 L to 5,000 L capacities.
- Proven expertise in borosilicate glass process assemblies and glass-to-metal integration.
- Ability to deliver turnkey solutions: design, fabrication, testing, packaging, export documentation, and after-sales support.
- Compliance with ISO 9001:2015 quality management standards and availability of flame-proof variants for hazardous areas.

Key Industries & Applications

- Pharmaceuticals: Reactor agitators, jacketed mixing tanks, sterile lab stirrers.
- Chemicals & Coatings: High-shear mixers, dispersers, and corrosion-resistant assemblies.
- Food & Beverage: Hygiene-compliant mixers and jacketed tanks for thermal processing.
- Agriculture & Pesticides: Formulation mixers and IBC tote mixing solutions.
- Laboratories & R&D: Glass process assemblies, heating/cooling baths, and magnetic stirrers.
- Paints, Inks & Adhesives: High-viscosity agitators and dispersion equipment.

Export & After-Sales Support

B!_m!xo provides export-ready packaging, documentation, and logistics coordination for international clients. We offer installation support, commissioning, spare parts, and maintenance services to ensure long-term performance.

Product Portfolio — Two Primary Categories

Category A — Industrial Stirring & Mixing Systems

(Heavy-duty and process-grade equipment for manufacturing and large-scale operations)

- Electric and Air-Operated Drum Stirrers (open and closed types; portable and fixed)
- High-Speed Stirrers (laboratory to pilot-scale high-RPM units)
- Stainless Steel Vessel / Tank Agitators (20 L to 5,000 L; vertical and side-mounted)
- Jacketed Tank Stirrers (for precise heating/cooling during mixing)
- IBC Tote Mixers (electric and air-operated)
- High-Shear Textile Mixers (for emulsions, dispersions, and specialty textile chemistries)
- HDPE and Mild Steel Barrel Agitators (for corrosive and viscous media)
- Portable Drum and Tank Mixers (for on-site mobile mixing)
- Side-Type Industrial Agitators (for large tanks and continuous processes)
- Flame-Proof Stirrer Variants (manual, semi-automatic, and fully automatic control options)
- Automation Options (PLC integration, variable-speed drives, safety interlocks, and custom controls)

Category B — Borosilicate Glass Assemblies & Laboratory Process Components

(Precision glass assemblies and allied components for labs, R&D and process plants)

- Vertical and Horizontal Mounted Chuck & Seal Assemblies (Aluminum, SS, MS, CI; multiple sizes)
- Mechanical Seals and Oil Bath Assemblies (FLP and non-FLP options)
- Jacketed Baths, Ice Baths, and Heating/Cooling Baths
- Shell & Tube Heat Exchangers
- Heating Mantles and Hot Plates
- Magnetic Stirrers and Laboratory Stirring Units
- Flexible Shafts (SS, MS, rubber-coated)
- Gear Motors, Stirrer Drives, and Flame-Proof Drives
- Bakelite Glass Valves, Vessel Holders, and Vessel Rings
- PTFE Components and Chemical-Resistant Polymer Parts
- Structural Pipes and Assembly Frames for glass process equipment.

"WE BELIEVE"

"In the race for quality, there is no finish line..."

"OUR MISSION IS CLEAR..."

- Striving to meet the increasing and diversified demands of the customers.
- Being market leaders in defend market segments.
- Providing quality products & reliable services and sourcing from reputed manufacturers.
- Becoming professional marketing partners for our principals to meet the objectives of sales, market information, and customer service.
- Giving timely information to the customers regarding trends of the market dynamics.
- Harnessing the creative energies of all our people through team work, develop and atransparent work environment.
- Being the preferred supplier of our customers, with our products exceeding their qualityrequirements.

"WHY US...?"

- ✓ Customized Engineering: Solutions tailored to the customer's process, material properties, and production scale.
- ✓ Quality & Compliance: ISO 9001:2015-certified processes, strict quality control, and flame-proof options for hazardous environments.
- ✓ Borosilicate Expertise: Proven capabilities in glass process assemblies and precision sealing of glass-to-metal interfaces.
- ✓ End-to-End Service: Design, manufacture, testing, export packaging, and post-sales support from a single source.
- ✓ Timely Delivery: Local manufacturing base in Vadodara with streamlined logistics for domestic and international shipments.
- ✓ Competitive Value: Industrial-grade performance at cost-effective pricing.

"OUR MOTTO >> QUALITY, PRODUCTIVITY, RELIABILITY"

- ❖ It is the policy of Baroda Industry, to provide quality work, services, and products that meet or exceed the expectations and requirements of our clients.
- ❖ Baroda Industry is committed to continuous quality improvement through involvement of all personnel and Clients, in a systematic, logical process, to continually improve Baroda Industry's work practices and procedures.

"STIRRER EQUIPMENTS"

ELECTRIC / AIR OPERATED CLOSED DRUM STIRRER



- ❖ **Air operated / Electric Operated** stirring of Chemicals / Additives where sedimentation occurs due to specific gravity variation of ingredients is a difficult task. Drum Stirrer is ideal for drum mixing when the contents must be thoroughly mixed before they can be pumped out. The propeller diameter of conventional stirrer is too big to be inserted through a bung opening which forces the user to opt for either manual stirring or cut open the barrel to enable the conventional stirrer to be inserted, which makes it cumbersome and time consuming. "B!_m!xo" brand Drum Stirrers, a light, portable and continuous duty rated allows quick blending without removing the drum lid. The Drum Stirrer Assembly incorporates a threaded stainless-steel nipple to allow mounting on the opening of drums. Our unique design with foldable propeller with detachable drive motor allows for simple drum stirring.
- ❖ Lid mounting with large folding propellers and heavy-duty drives are combined to provide uniform blending. No "dead spots" or settled out material is ensured regardless of viscosity or solid content.

TECHNICAL SPECIFICATION

USAGE	MOTOR CAPACITY	SPEED REGULATOR	DESIGN TYPE	OPERATION	SPEED	VOLUME
MIXING	ELECTRIC: 0.5HP TO 3HP 3 PHASE / 1 PHASE	YES (VFD)	CUSTOMISED	SEMI-AUTO	0-960, 0-1400, 0-2800 RPM	210LTR
MIXING	AIR: 0.3HP TO 5.25HP	YES (FRL)	CUSTOMISED	SEMI-AUTO	0-900, 0-3000, 0-10000 RPM	210LTR

- MOC: MILD STEEL, STAINLESS STEEL (SS304/SS316/SS316L), TEFLON, PP COATED.
- IMPELLER: FOLDABLE TYPE.

ELECTRIC / AIR OPERATED OPEN DRUM STIRRER



TECHNICAL SPECIFICATION

USAGE	MOTOR CAPACITY	SPEED REGULATOR	DESIGN TYPE	OPERATION	SPEED	VOLUME
MIXING	ELECTRIC: 0.5HP TO 3HP 3 PHASE / 1 PHASE	YES (VFD), GEARED OPERATED.	CUSTOMISED	SEMI-AUTO, FULLY AUTO	0-960, 0-1400, 0-2800 RPM	50- 500LTR
MIXING	AIR: 0.3HP TO 5.25HP	YES (FRL), GEARED OPERATED	CUSTOMISED	SEMI-AUTO, FULLY AUTO	0-900, 0-3000, 0-10000 RPM	50- 500LTR

- MOC: MILD STEEL, STAINLESS STEEL (SS304/SS316/SS316L), TEFLON, PP COATED.
- IMPELLER: HIGH SHEAR TYPE, FOLDABLE TYPE, AXIAL FLOW TURBINE, HYDROFOIL TYPE, PROPELLER TYPE.

ELECTRIC / AIR OPERATED IBC TOTE MIXER



TECHNICAL SPECIFICATION

USAGE	MOTOR CAPACITY	SPEED REGULATOR	DESIGN TYPE	OPERATION	SPEED	VOLUME
MIXING	ELECTRIC: 0.5HP TO 7HP 3 PHASE / 1 PHASE	YES (VFD), GEARED OPERATED.	CUSTOMISED	SEMI-AUTO, FULLY AUTO	0-960, 0-1400, 0-2800 RPM	1000LTR
MIXING	AIR: 0.3HP TO 5.25HP	YES (FRL), GEARED OPERATED	CUSTOMISED	SEMI-AUTO, FULLY AUTO	0-900, 0-3000, 0-10000 RPM	1000LTR

- MOC: MILD STEEL, STAINLESS STEEL (SS304/SS316/SS316L), TEFLON, PP COATED.
- IMPELLER: HIGH SHEAR TYPE, FOLDABLE TYPE, AXIAL FLOW TURBINE, HYDROFOIL TYPE, PROPELLER TYPE.

ELECTRIC / AIR OPERATED CARBOY STIRRER



- ❖ Electrically / Air Operated Carboy Stirrer finds suitability for all types of Plastic & Metal Can / Carboy. Coming with Electrically / Pneumatic operated motor option which make these suitable for various applications, the use of these stirrers does not require process of cutting open of the cans as these can be directly mounted on to can mouth opening. With all contact parts made in SS 316 metal finish, we make these stirrers available for 30 / 50 / 100 Litre carboys/containers.

Features:

- ❖ Finds suitability for all types of Plastic & Metal Can / Carboy
- ❖ Comes with electrically operated motor option which make these suitable for various applications
- ❖ No requirement of cutting open of the cans
- ❖ Can be directly mounted on to can mouth opening.

STAINLESS STEEL (304 / 316 / 316L) STORAGE TANK & REACTOR



IMPELLERS / BALDES



3 BLADE PROPELLER



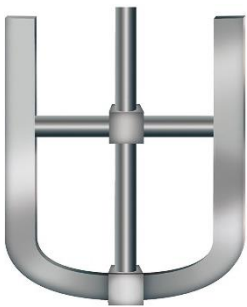
AXIAL FLOW TURBINE



DISPERSION BLADE



FOLDABLE TYPE



ANCHOR TYPE



PEDASTRAL TYPE



HIGH FLOW DISPERSION



LAB HYDROFOIL

- ❖ An impeller is a component of an agitator that rotates to mix materials by creating fluid flow and shear patterns. Impellers are the primary mixing component of agitators.

Parts of an impeller:

- **Hub:** The hub is connected to the shaft of the agitator.
 - **Blades:** The blades are attached to the hub and are responsible for mixing the materials.
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- ❖ The impeller is the most critical component of agitators, as it determines the flow pattern, efficiency of the homogenizing process, and mixing parameters. Responsible for directly exerting energy onto the materials being mixed, the impeller induces fluid flow and shear patterns through its rotation.
 - ❖ The impeller flow is mostly axial and blades angle is 45 degrees. It will be used for dissolving or difficult mixing and suitable for high viscosity product. This impeller is specifically designed to produce high pumping capacity at a much lower power level with uniform shear rates across the diameter of impeller.

BARODA INDUSTRY



CONTACT US...

BARODA INDUSTRY

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