KEY STANDARD FEATURES:

- Electric Motor - 1/25HP, 20 - 600 RPM, ROHS Compliant, IP65
- Speed Controller - 110V Input, NEMA 4 Box, Wired to Motor, 100W Max Input
- Pedestal - 2" TriClamp Mount, 21 CFR177 FDA-Polypropylene (USPVI)
- Seals - FDA-LipSeal or Mechanical Seal
- Mixer Shaft - φ1/2", 316L Stainless Steel, <20Ra Finish
- Impeller - Single Bioprop Impeller, Set Screw Attachment or Welded Attachment, 316L, <20Ra Finish (Upper Impeller Available)

Additional Bearing Support and Seal (Hidden)

Mixer Shaft, φ1/2", 316L, <20Ra Finish

Bioprop Impeller, 316L, <20Ra Finish, Set Screw or Welded Attachment

Optional Upper Impeller

This view shows mixer ready for cleaning

Dimensions are in inches

Remove burrs and break sharp edges. Job and welds to be continuous and free of voids or cracks.

Material: AS REG'D

Treatment: AS REG'D

Scale: NTS

Unless otherwise specified:

- Mixers are Din-Chamfered
- Dimensions are in inches
- Remove burrs and break sharp edges. Job and welds to be continuous and free of voids or cracks.

Material: AS REG'D

Treatment: AS REG'D

Scale: NTS

Drawn  Pic

Checked  TS

Job No.  N/A

Material: AS REG'D

Treatment: AS REG'D

Scale: NTS

Signature & Date
## Diamond XL Features/Options

### Power
- **Motor:** Electric Gearmotor - ROHS Compliant, IP65
- **Power:** 1/25 HP
- **Speed:** 20 - 600 rpm
- **Installation:** Thumbscrew Attachment
  - Quickly removable to allow mixer to be cleaned.

### Impellers
- **Type:** BioProp™ Sanitary Marine-Type Impeller
- **Material:** 316L Stainless Steel
- **Quantity:** Single (std) | Dual (+$)
- **Attachment:** Set Screw (std) | Welded (+$)
- **Impeller Spacing:** Custom
  - " (if welded attachment)
- **Size (OD"):**
  - 1.8" (2" TC)
  - 2.8" (3" TC)
  - 3.7" (4" TC)
  - 5.7" (5" TC)

### Shaft
- **Material:** 316L Stainless Steel
- **Size (OD"):** 1/2" (std)
- **Length (FMB"):** 18" (std) | Custom ______ (36" max *)

### Speed Controller
- **Input:** 110V (100 watt max)
- **Enclosure:** NEMA 4
- **Installation:** Pre-Wired to Motor

### Pedestal
- **Mount:** 2" TriClamp
- **Material:** 21CFR177 FDA-Polypropylene (USP VI)
- **Cleaning:** AutoClave Capable
- **Houses:** Seal and Bearing Support
- **Replacements:** Additional Pedestals Available (+$)
  - (for disposable-type applications)

### Seal
- **Type:** FDA-Upseal
- **Description:** FDA Rulon 641
  - with USV VI O-Ring
- **Mechanical:** Carbon/Ceramic/Viton

### Other Options
- **Finish (Wetted Parts):**
  - 20Ra (std)
  - 15Ra (+$)
  - 8Ra (+$)
- **Passivation:** Available (+$)
- **Material Certs:** Available (+$)
- **Profilometer Report:** Available (+$)
- **Tachometer:** Digital Tachometer Available (+$)

* ($) = add'1 cost for this option

Optional Items are shown with a shaded background.