

## **PNEUMATIC MIXERS**

### **Laboratory Stirrers**



- Laboratory clamp mount, direct drive for stirring liquids up to 400 centipoise in vessels up to 5 gallons

#### **Standard Equipment**

- 1/6 hp air motor, 1/4" NPS-M inlet air connection, muffer and speed control. Air requirements: 2-6 cfm @ 70 psi
- Speed Range 0-6000 rpm
- Stainless shaft coupling
- Stainless 3/8" x 33" shaft long
- Stainless 3" triple blade propeller (1)
- 1/2" x 12" Stainless mounting rod

#### **Optional**

- Additional propellers
- Gear driven with various ratio
- Lab Stand
- Up to 800 centipoise in 5 gallons

## Stand Mixer



- Lab Stand, adjustable height, direct drive mixer for mixing liquids up to 2,000 centipoise in vessels up to 5 gallons

### Standard Equipment

- ½ hp air motor, 1/4" NPS-M inlet air connection, muffler and speed control. Air requirements :- 4-10 cfm @ 70 psi
- Speed range 0-3000 rpm
- Stainless shaft coupling
- Stainless shaft 3/8" x 33" long
- Stainless 3" triple blade propeller (1)
- Lab stand with stainless support bar, 3/4 " x 37-1/2"

### Options

- 1 Hp air motor
- Additional 3" or 4" stainless steel propeller
- Heavy duty – up to 3,500 centipoise in 25 gallons
- Heavy duty – gear driven up to 10,000 centipoise in 25 gallons
- Gear driven
- 4" or 5" diameter shear blade
- Additional 5" propeller or 6 stainless propeller
- 10" stainless paddle

## **C-Clamp mounted Units**



- C-Clamp, adjustable angle, direct drive mixer for mixing liquids up to 5,000 centipoise in vessels up to 55 gallons, and light viscosities in vessels up to 600 gallons. Apposing propellers provide efficient liquid turnover.

### **Standard Equipment**

- 1hp air motor, 3/8" NPS-M inlet air connection, muffler and speed control. Air requirements :- 10-16 cfm @ 70 psi
- Speed range 0-3000 rpm
- Stainless steel coupling
- Stainless shaft 3/8" x 33" long
- Stainless 6" triple blade propeller (2)

### **Options**

- Shaft lengths to 60" maximum
- 2 Hp air motor
- Additional 5" to 10" stainless steel propeller
- Sanitary operation C-clamp mount
- Heavy duty – up to 800 centipoise in 1200 gallons
- Gear drive with various ratio

## **Horizontal Clamp Mounted Geared Unit**



- Horizontal clamp mount, adjustable angle, direct drive mixer. Horizontal clamp mounts across drum or manway opening for mixing liquids, up to 5000 centipoise, in vessels to 55 gallons and lighter viscosities in vessels up to 500 gallons. Dual apposing propellers provide efficient liquid turnover.

### **Standard Equipment**

- 1hp air motor, 3/8" NPS-M inlet air connection, muffler and speed control. Air requirements :- 10-16 cfm @ 70 psi
- Speed range 0-3000 rpm
- Stainless steel shaft coupling
- Stainless steel shaft " x 33" long
- Stainless steel 6" triple blade propellers (2)
- Horizontal clamp with stainless steel support bars

### **Options**

- Shaft lengths to 60" maximum
- 1/2 hp air motor

## **Bung Mixers**



- Bung entering, screw mount, direct drive mixer for mixing liquids up to 2,000 centipoise in 55 gallons vessels. Collapsible 4" propellers reduce to 2" for entry into a drum and opens to 4" when shaft is turning.

### **Standard Equipment**

- 1/2 hp air motor, 1/4" NPS-M inlet air connection, muffler and speed control. Air requirements :- 4-10 cfm @ 70 psi
- Speed range, 0-3000 rpm
- Heavy duty bung adapter with locking ring
- Stainless steel shaft coupling
- Stainless steel shaft 5/8" x 33" long
- Stainless 4" collapsible paddle/propeller (1)

### **Options**

- Shaft lengths to 60" maximum
- 1 Hp air motor
- Heavy duty Clamp mount

## **Flange Mixers**



- Flange mount, non-pressure, direct drive mixer. Flange for drum lid mounting or closed top mounting on vessels to 800 gallons. Mixing viscosities up to 5000 centipoise in 55 gallons vessels, lighter viscosities in larger vessels. Dual opposing provide efficient liquid turnover.

### **Standard Equipment**

- 1 hp air motor, 3/8" NPS-M inlet air connection, muffler and speed control. Air requirements :- 10-16 cfm @ 70 psi
- 6" diameter flange and gasket
- Speed range, 0-3000 rpm
- Stainless steel shaft coupling
- Stainless steel shaft 5/8" x 33" long
- Stainless steel 6" triple blade propellers (2)

### **Options**

- Shaft lengths to 96" maximum
- 1 Hp air motor
- Propeller 5",6",8" or 10"
- Heavy duty Clamp mount

## **Series 75 ANSI Flange Mixer**



- Flange mount, direct drive, pressure and non-pressure operation. Mixes liquids with viscosities to 10,000 centipoise in vessels up to 5 gallons and light viscosities in vessels up to 1,000 gallons. Vertical or horizontal mounting. Shaft seals for pressure or vacuum operation. Double sealed bearings in flange require no lubrication

### **Standard Equipment**

- ½ hp to 5 hp air motor drive, inlet air connection, muffler and speed control.
- Speed range, 0-3000 rpm
- Stainless ANSI flange models from 1- ½” to 10”
- Stainless shaft, model dependent, 3/8” to 1- ¼” with lengths to 75” maximum
- Shaft seal for vacuum or 125/150 psi pressure operation

### **Options**

- Non-pressure models
- Various gear ratio
- Food grade shaft seal, polished propellers, stainless plumbing and control valve.
- Electric drive
- Additional paddles 10” and 24”

## **Series 77 Tri- Clamp Mixer**



- Flange mount, direct drive, pressure and non-pressure operation for use in mixing liquids in chemical. Food and pharmaceutical industries. Viscosities up to 10,000 centipoise can be mixed in vessels up to 5 gallons. Lighter viscosities in vessels up to 1,000 gallons. Vertical or horizontal mounting shaft seals for vacuum or 125/150 psi pressure operation. Flange is equipped non-lubricating, double-sealed bearings.

### **Standard Equipment**

- ½ hp to 5 hp air driven models.
- Air valve for speed control, muffler and inlet air connection.
- Aluminum motor mount plate
- Stainless tri-clamp flange 2” to 4”
- Stainless shaft diameters 3/8 ” to 3/4”, model dependent. Lengths to 75”.
- Stainless propeller, model dependent, from 3” to 8”
- Shaft cased shaft seal, 125/150 psi, for vacuum or pressure operation.

### **Options**

- Non-pressure models
- Food grade models, all stainless except for motor, polished shaft and propeller.
- Various gear reduction for speed range of 0-350 rpm
- Non-pressure models
- Inverter for speed control
- Explosion proof motor
- 50Hz operation



# Mixers Accessories

## **3 BLADE PROPELLER**



- Available in 3" to 16" diameters
- 316 Stainless Steel
- Standard or polished finish design
- Left and right pitch

## **2 BLADE PADDLE**



- 16" to 22" diameters
- 300 series Stainless Steel
- 3/4" to 1" bore sizes
- Standard square pitch
- Left and right pitch

## **HIGH SHEAR BLADES**



- Available in 2" to 6" diameters
- 300 Stainless Steel
- 5/8" standard bore

