

# AMC PVC MUD MIXER XTRA LARGE™

Drilling fluids equipment



## Description

The AMC PVC MUD MIXER XTRA LARGE™ is a Venturi mixing apparatus for drilling applications.

## Installation

1. Mount the AMC PVC MUD MIXER XTRA LARGE over the selected mix tank, face discharge downwards with the discharge well clear of the high fluid level.
2. Use cam-lock fittings; connect the AMC PVC MUD MIXER XTRA LARGE to the delivery line.
3. Attach the AMC PVC MUD MIXER XTRA LARGE clamp to the tank and lock securely.

## Safe Operating Procedures

1. Ensure that the mixers are not blocked prior to mounting onto the mix tanks.
2. Ensure that the mixer is not fully closed prior to starting the mixing pump.
3. Do not exceed 150psi pump pressure through the mud mixer.

### Product Suction Line



Mud Tank Delivery

\*Plastic or stainless steel

## Operation

1. Turn on water.
2. Insert the product suction line approximately 25 – 50 mm (1 – 2 inches), into the polymer powder to lift a mixture of air and polymer.
3. To increase the flow rate through the AMC PVC MUD MIXER XTRA LARGE, increase the pump volume output or adjust the locking coupling on the unit. Unscrewing the coupling assembly will increase flow through the unit, tightening the coupling assembly will decrease flow through the unit. Do not over tighten the locking coupling. Unscrewing the coupling too far whilst the pump is operating will cause the insert section to come out, wetting the product and operator.

## Cleaning

1. If the mixer blocks, remove product suction line from unit.
2. Wash the unit with fresh water until clean.
3. Dry thoroughly with air and a clean rag. DO NOT use solvents.
4. Completely unscrew the coupling assembly and inspect the o-ring for damage and clean. Lubricate the o-ring prior to assembly.

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| <b>Materials</b>                  | Polyvinyl chloride                    |
| <b>Water connection</b>           | 2" (50mm) male cam-lock fitting       |
| <b>Recommended suction line</b>   | 1 m long x 20 mm clear plastic tubing |
| <b>Minimum water requirements</b> | 100 – 250 litres per minute at 40 psi |
| <b>Nominal lift</b>               | 1.2 metre maximum                     |
| <b>Lift rate</b>                  | 1 – 1.5 kg per minute                 |

Please Note: Several factors will dictate the most appropriate concentration rate. Please contact your nearest IMDEX representative for optimum results.

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