



# Multicrete Shotcrete Predampener

## Technical Data Sheet Integral Shotcrete Unit

### Description

The Multicrete Predampener (Integral Shotcrete Unit) consists of an Aliva dry mix shotcrete machine and a Multicrete predampener, mounted together on a common frame. The Multicrete Predampener is designed to control the amounts of bagged material and the amount of moisture transported throughout. This predampening process produces quality materials ready to be placed.

The hopper on the predampener allows for a continuous feed of pre-blended dry mix shotcrete, even during bulk bag changes. The feed auger located under the hopper then feeds a mix auger where water is added allowing for proper metering of materials while controlling dust volumes.

### Preparation and Purpose

Preparation is simple, connecting the Bull Hose air supply to the inlet on the predampener frame, the water line is then connected to the spray nozzle assembly located on the mix auger. Finally, the material delivery hose can be attached to the outlet chamber assembly of the Aliva pot and shotcreting can proceed.

### Specifications – Aliva 252 Spraying Machine

- Compacted skid 54" x 108"
- Centrally mounted controls
- 16-liter rotor ( 6 – 9m<sup>3</sup>/hour output range)

### Equipment Dimensions – 107" x 54" x 79 3/8"

5500 lbs. (2500 kgs)

### Power Options

#### Electric

- 5 hp helical snuggler gear motor to mix auger
- 3 hp variable speed motor to cross feed auger
- Centrally mounted electrical control panels

#### Pneumatic

- 2" RFL System (regulator filter lubricator)
- 12 hp vane motor, helical worm gear reducer to mix auger
- 7 hp vane motor, helical shaft mount reducer to feed auger

