

# AquaMiser ULTRA BOSS

## Model D225-II

### Diesel Engine Driven 40K PSI Water Blasting System

Our model D225 Aqua Miser Ultra BOSS is a self-contained diesel driven water-jet system capable of dual blasting operation. It can be set up for one 6 GPM tool or two 3 GPM hand held guns. The only utility required is the water supply. The system is ready for use with the optional Media Injection Module, supplied separately. The standard model is trailer mounted and sling liftable. Skid mounted units and optional lifting frame are available. Other configurations options may also be available.

#### PUMP CONTROL:

Aqua Miser's unique trigger controlled start/stop operation of the HP pump provides efficient operation. Trigger controlled clutch and throttle operation. The pump engages only when the gun is activated, providing for the least amount of HP pump wear. Pressure is electronically controlled as pump ramps to the programmed pressure set point. Throttle automatically returns the engine to idle when gun trigger is released.

#### PUMP:

Our ultra high pressure triplex plunger pump is rated for operation at pressures from 8,000 psi to 40,000 psi and delivers up to 6.2 gpm. It is designed for long life in demanding industrial operating conditions. Long life carbide plungers and other durable high quality materials, such as hardened stainless steel, minimize wear and corrosion of critical components. Our time proven in-line disc valves are designed to withstand the harsh demands of ultra high pressure. This superior valve design is highly efficient and even field resurfaceable. Individual heads and cylinders are easily removed without the use of special tools. The power end is heavy duty high yield ductile iron.

#### DIESEL ENGINE/DRIVE:

John Deere 225 hp industrial diesel engine rated for operation in high ambient air temperatures to 115 degrees F. Heavy duty air cleaner for high dust areas. Engine housing has wide access removable doors. The Digital Display Controller provides complete engine monitoring with fault logging, pre-alarm and shut-down protections for temperature, oil pressure, speed, and fuel level. Engine sub-base is shock mounted to frame. System equipped with two 50 gallon diesel fuel tanks.

#### AIR COMPRESSOR:

Rotary Screw air compressor is low maintenance as compared to piston compressors. The compressor is driven with a carbon fiber drive belt for near maintenance free operation. High performance air filtering and drying. Compressor produces 110 CFM at 125psi.



#### FEED WATER:

12v clutch driven feed water pump produces 100 psi input to the UHP pump to ensure cavitation free operation. Pump is built to last with a bronze housing and stainless steel shaft.

Water Filtration is a high efficiency multi-layer filtering system with a final stage of 2 micron.

Water Reservoir tank has a float operated fill connection with a standard 3/4 garden hose fitting. Low water level switch for system shut down.

#### SYSTEM CONTROL PANEL:

PLC (computer) based control system controls the HP pump pressure and engine RPM eliminating the need for troublesome bypass valves or regulators. Ultra bright 10" color graphic touch screen operator interface provides full instrumentation for monitoring and control of system pressures, temperatures and timers. Digital readout and entry for the HP pump pressure set point. Fault indicators enhance safety and dependability. Electronically limits pressure, eliminating rupture disk blow off. Includes on-screen system trouble shooting and diagnostics.

#### TRAILER:

Light weight trailer design for ease of mobility

Dual axle

DOT lighting package

Spare tire

Electric brakes

Mechanical parking brake (doubles as trailer break away)

#### AVAILABLE ACCESSORIES:

Abrasive Injection Module for many media types i.e. glass, aluminum oxide, bicarbonate of soda, etc.

Ultra high-pressure Rotary guns for hand held blasting requirements - w/tumble box.

Abrasive Injection Fan Gun for surface profiling.

Deck/Floor Blaster.

50 foot combination hose assembly rated at 40kpsi.

Combination Foot-shin guards with side shield.

Manufactured by



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