



## ADV-4 – FRAC SITE DUST MITIGATION SYSTEM PATENTED FRAC SITE DUST VACUUM SYSTEM

- ◆ **Engine:** 80 HP John Deere diesel 4045 tier 3 compliant
- ◆ **Fan:** non-overloading—spark resistant
- ◆ **Fan Drive:** belt— $\frac{3}{5}$  VX 1500
- ◆ **Filter:** 27 vertical top loading cartridges—moisture resistant cellulose resin material
- ◆ **Filter Efficiency:** MERV 12 initial rating, 99.8% at .5 micron after initial dust cake
- ◆ **Filtering Capacity:**
  - ◆ 20,000 cfm at 12" w.c.
  - ◆ 7,020 sq. ft. of primary filter area (30" filters) for an air to cloth ratio of 2.85:1
- ◆ **Filter Cleaning:**
  - ◆ solid state, programmable timer for reverse jet air pulse
  - ◆ air supply—on-board VMAC rotary screw air compressor
  - ◆ on-board, multi-tower alternating air dryer, filters, heat wraps and drains
- ◆ **Footprint:**
  - ◆ 12,500 lbs (empty)
  - ◆ 128" x 99" x 336" (height x width x length)
- ◆ **Fuel Capacity:** 100 gallons with oversized 4" fill spout
- ◆ **Hopper:**
  - ◆ heated from engine
  - ◆ exhaust piping throughout hopper bottom
  - ◆ summer/winter settings
- ◆ **Inlet Duct:**
  - ◆ (6) 20" ports, 2 each side, 2 rear
  - ◆ diverter sheets at each inlet to even out incoming air laden dust
- ◆ **Power Take Off:** twin disc
- ◆ **Shut Down:** emergency engine shut down with red stop buttons on each side of unit



PASSIONATE ABOUT PROTECTING AND IMPROVING THE WELLSITE.