With its heavy-duty CD4MCu Stainless Steel construction and fast priming capabilities, this solids handling jet pump leads the industry in construction, industrial and mining applications. The SVD64 is designed for high flows to 2,010 gpm and heads to 472 feet making it perfect for sewage bypass pumping or general construction dewatering.

Features

- Fully automatic, dry priming to 28 feet.
- High heads to 472 feet
- Maximum flows to 2,010 gpm
- Solids handling to 3”
- ALL wetted pump parts constructed of CD4MCu
- Modular frame included with optional drop-on Silent Knight® sound enclosure capability
- Maximum operating time is:
  - 13 hours @ 2,000 rpm
  - 14 hours @ 1,800 rpm
  - 18 hours @ 1,600 rpm
- 97 SCFM Oil-Less vacuum pump air handling capacity
- Emergency Engine Shutdown Button

- Provides extremely fast priming because of the high air handling capacity
- Prevents discharge of pumping effluent onto the ground
- Eliminates need for a waste hose
- Eliminates need to fill up pump housing with water to obtain original prime at start-up
**Materials of Construction**

**Pump Casing:** CD4MCu Stainless Steel  
**Impeller:** Dynamically balanced, non-clogging, enclosed, CD4MCu, with rear-equalizing vanes to reduce axial loading and prolong seal and bearing life; Diameter 12”  
**Mechanical Seal:** 2.5” run-dry, grease lubricated with Tungsten Carbide rotating and Silicon Carbide stationary seal faces. Single inside mounted, non-pusher type with self-adjusting elastomeric bellows. All other components are 304 stainless steel and viton.  
**Head:** Rugged, back pull out design, CD4MCu Stainless Steel with tapered bore design  
**Bearings & Frame:** Heavy-duty grease lubricated to carry both axial and radial loads. Frame is heavy-duty class 30 cast-iron  
**Shaft:** CD4MCu stainless steel fitted with a renewable 416 stainless steel sleeve

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**Unit Specifications**

**Fuel Tank Capacity:** 140 US gallons  
**Fuel Consumption:** 10.72 gph @ 2,000 rpm  
**Maximum Operating Speed:** 2,000 rpm  
**Maximum Operating Temperature:** 200°F  
**Maximum Working Pressure:** 205 psi  
“Defined by the Hydraulic Institute as the maximum discharge pressure which could occur in the pump when it is operated at rated speed.”  
**Maximum Suction Lift:** 28 Feet

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**Engine Specifications**

**Engine:** John Deere 6068H, 203 hp @ 1,800 rpm  
**Type:** 6-cylinder, in-line, 4-cycle, water-cooled, turbo charged, direct-injected, Tier III diesel  
**Standard Equipment:** Alternator, radiator, muffler and exhaust stack with rain protection  
**Displacement:** 548 cubic inches  
**Fuel Economy:**  
- .347 lb/hp·hr @ 2,000 rpm  
- .347 lb/hp·hr @ 1,800 rpm  
- .351 lb/hp·hr @ 1,600 rpm  
**Safety Shutdowns:** High coolant temperature; Low oil pressure  

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**Vacuum Pump Specifications**

**Vacuum Pump:** Dry, rotary claw, air cooled, oil-less, direct drive (5.4 Hp)  
**Casing:** Class 30 cast iron  
**Maximum Operating Temperature:** 200°F  
**Maximum Working Pressure:** 15 psi  
**Maximum Suction Lift:** 28 feet  
**Air Handling Capacity:** 97 SCFM