



**MINERIS**

**Mineris – Vertical Sump Pump**



**Engineered for Reliability, Designed for Efficiency**

The Mineris **VS Series** vertical sump pump is purpose-built for demanding slurry applications. Due to its unique design, the bearings are positioned **above the liquid level of the sump**, preventing contamination from slurry and ensuring longer bearing life. This eliminates the need for shaft sleeves commonly used in other horizontal pumps.

With its **true cantilever design**, the VS Series simplifies maintenance—enabling fast, efficient servicing and minimizing downtime.

**MINERIS INDIA PRIVATE LIMITED**

Registered office address: 703, BLOCK-A, Siddhi Heights, Gamdi road, Vatva, Daskroi, Ahmedabad-382440, Gujarat, CIN No U28199GJ2025PTC157582

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### **Superior Materials for Maximum Wear Life**

As with all Mineris pumps, only the finest materials are selected, delivering outstanding wear resistance and corrosion protection.

- **Standard options:** Wear-resistant natural rubber or High Chrome white iron alloy (nominal hardness: **600 BHN**).
- **Assurance:** Operators receive the right pump for their specific application.

### **Modular Design – One Platform, Many Applications**

The VS Series shares a **modular design** with other Mineris vertical pumps, including:

- **VF** – Vertical Froth Pump
- **VT** – Vertical Tank Pump

This interchangeability across the vertical pump range reduces spares inventory and simplifies maintenance logistics.

### **Optimized Sump Agitation – No Solids Left Behind**

The VS Series offers the **most effective sump agitation options available:**

- Spray holes
- Suction agitator
- Combination of both for extreme conditions

This ensures efficient solids removal, even in the toughest slurry environments.

### **Key Benefits**

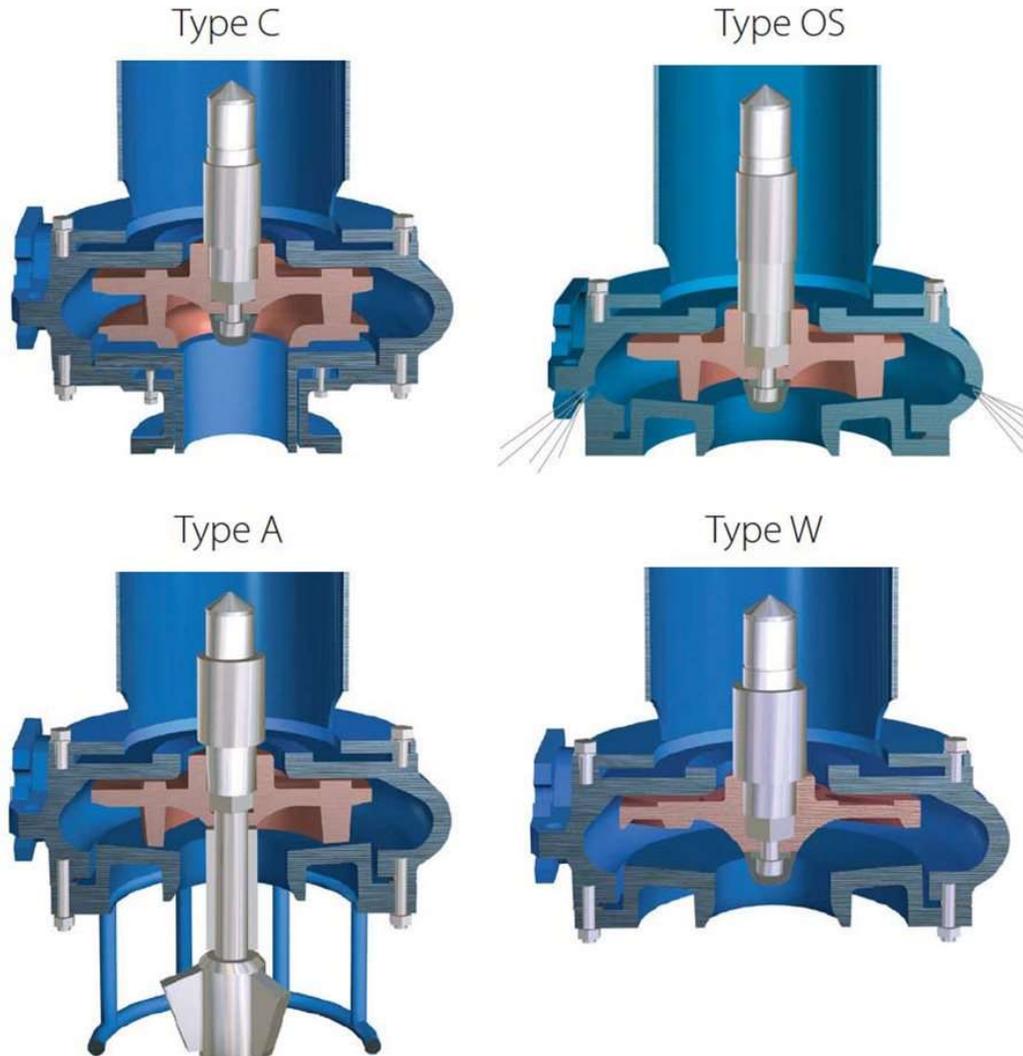
- Bearings above liquid level – zero slurry contamination risk
- No shaft sleeves required
- Fast maintenance with cantilever design
- High wear resistance (natural rubber or high chrome)
- Modular, interchangeable components across the Mineris vertical range
- Multiple agitation configurations for optimal solids handling

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*Various methods of agitation and impeller combinations.*

Type C - Closed impeller for high heads and efficiencies. Preferred in high wear application at high heads and where the sump is protected from oversized items.

Type OS - Semi open impeller and pump casing with spray holes. Provides better solids handling than the closed impeller design and is less sensitive to air blocking on intermittent operations. The spray holes direct some of the slurry towards the sump bottom, thereby agitating settled solids.

Type A - Semi open impeller, robust extended shaft with a slurry agitator. Used where solids are large and settling fast such as grinding and crusher area sump pumps.

Type W - Vortex induced flow impeller for pumping of long, fibrous, or coarse solids without the concern of blockages of impeller vanes. Originally developed for mill scale pumping in steel mills, where steel scrap sometimes is present but suitable for a range of applications.

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