



# ***Mongrain Vertical Transport Inc.***

***Mongrain Vertical Transport dry power unit series LTPA uses a vertical screw pump submerged in oil and a dry motor located above the tank. The motor connects to the pump with a flexible coupling. Both pump and motor are mounted on a rigid base plate and isolated structure.***

## **BENEFITS**

### ***Screw pump***

- Low pulsation and low noise screw pump
- Pump inlet submerged in oil
- No shaft seal; no risk of leaks

### ***Dry motor***

- Easy access
- Industrial heavy duty, open, drip proof
- Fan cooled, the oil does not absorb the heat
- Noise isolated, silent operation
- 120 starts per hour

### ***Simple direct drive***

- Flexible coupling provides smooth drive
- No sheaves, no belts, no belt noise
- Maintenance free, no adjustments or belt tensioning
- No radial load on motor or pump bearings

### ***Base plate structure***

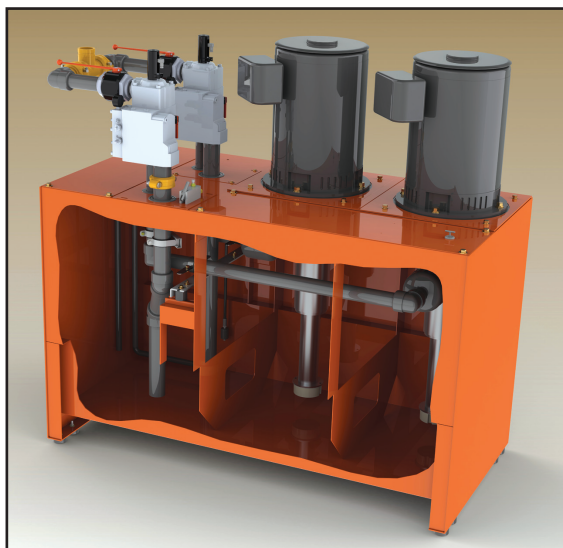
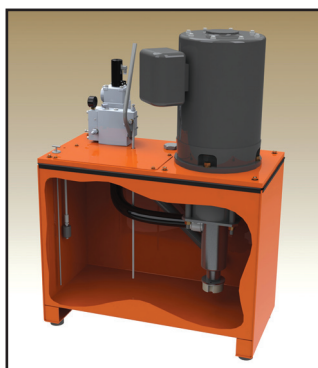
- Built-in pump and motor alignment
- Isolation pad mounting reduces vibration and airborne noise
- Easy access and service from the top of all components

### ***Tank***

- Leak free, no drip pan required
- Heavy gauge sheet metal
- Mounted on isolation pads
- No connections to the tank below the oil line

## **OPTIONS**

- Electronically controlled valve
- Heater
- Cooler
- Micro-Levelling unit





### **DRY POWER UNIT APPLICATION CHART**

Tank	Max feed flow gpm	Power range HP	Max working pressure psi	Size (WxDxH)*
2.1	70	15 to 40	800	36" x 18" x 51"
3.1	100	15 to 60	800	40" x 24" x 54"
4.1	150	30 to 75	750	48" x 28" x 70"
5.1	275	30 to 75	750	60" x 36" x 70"
6.1	550	30 (2x15) to 150 (2x75)	750	72" x 36" x 70"

\* Special tank size available upon request.

Please consult MVT engineering with any special requirements.

# **Mongrain Vertical Transport Inc.**

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