



R.S.  
**CORCORAN**  
COMPANY

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# Problem Solver!

## **Problem:**

In nearly inaccessible area with dripping, fuming  $\text{NHO}_3$  atmosphere, pump concentrated  $\text{NHO}_3$  (1.6 specific gravity) 5 GPM @ 110 FT TH. Pump to be capable of running dry (no process solution flowing) for minimum of 2 hours with no leakage or damage.

## **Solution:**

**Model: 3000 DVL-H**  
Double-Sealed In-Line Vertical

All pump parts, fasteners and exposed motor parts 316 Stainless Steel. Total weight of pump/motor assembly did not exceed 65 lbs.

## **Features:**

1. PICATTI 316 Stainless Steel motor:  
2 HP, 3450 RPM, 56 C frame, TEFC.
2. Double mechanical Seal: silicon carbide mating faces, viton elastomers and 316 S/S metal parts
3. 316 S/S shaft extension with integral double seal chamber cooling fan
4. 5½" diameter impeller with 1/8" wide vanes for built-in flow restriction
5. 3/4 x 3/4 FF FL
6. Quality Assurance Tests:
  - a. QHP
  - b. Seal Chamber non-leakage (static & dynamic)
  - c. Pump dry run/Seal Chamber Temperature

