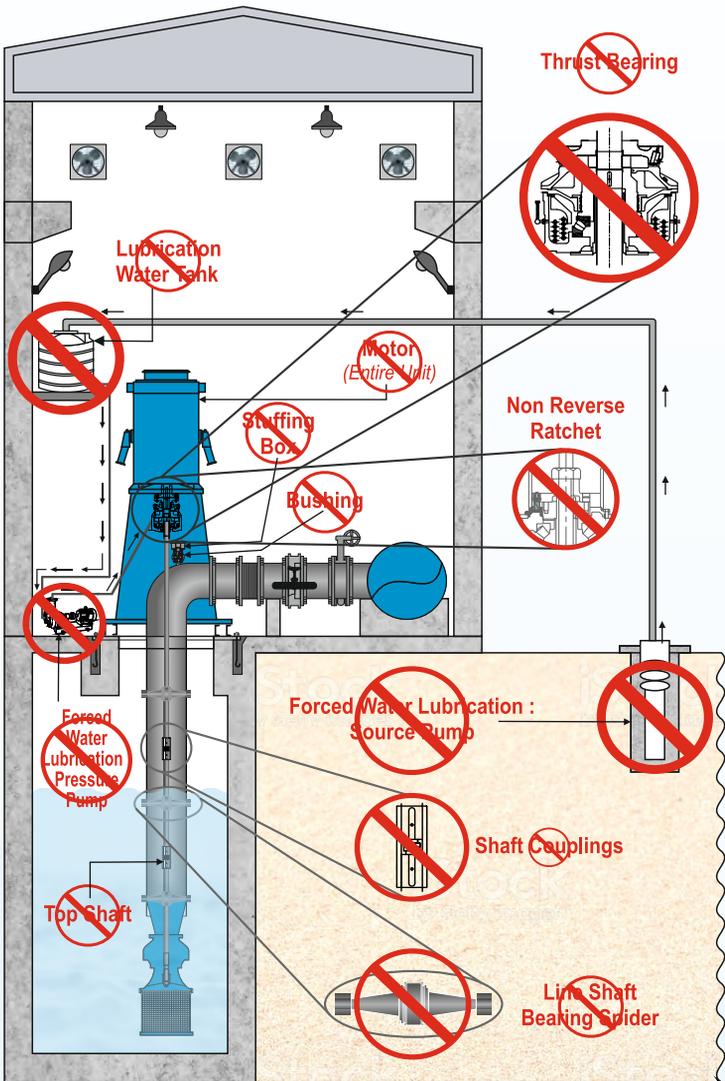
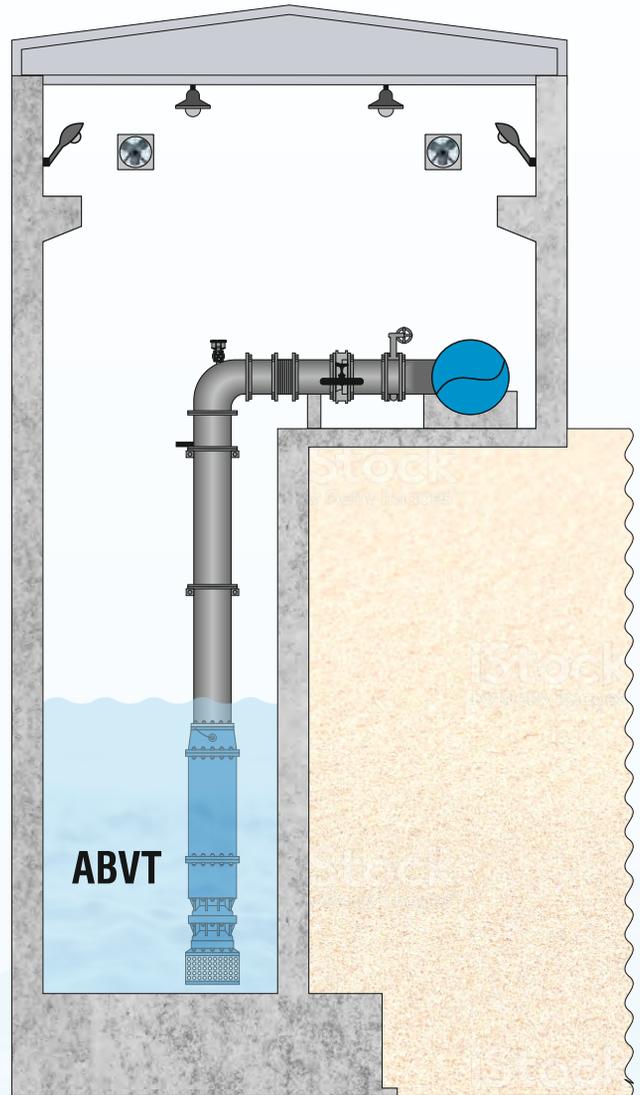


# Spares & Consumables Comparison: Conventional VTs v/s Submerged VTs

## Conventional VT



## Submerged VT



Recommended Types of Spare Parts to be kept in Pump House for 2year operation (as per DIN 24296)			
1 Pump Shaft	8 Rolling Element/ Deep Groove Ball Bearing	15 Mechanical Seal (set)	24 Interstage Bush
2 Intermediate Shaft	9 Bearing Carrier	16 Gland Packing (set)	25 Locking Sleeve, Complete
3 Top Shaft	10 Thrust Collar	17 Casing Wear Ring	26 Threaded Bush
4 Impeller	11 Gasket	18 Impeller Wear Ring	27 Bearing Bush
5 Suction Stage Impeller (if)	12 Joint Ring	19 Stage Sleeve	28 Torque Transmitting Coupling Elements
6 Rotor	13 O-Ring	20 Shaft Protecting Sleeve	29 Conical / Threaded Coupling
7 Rolling Element / Angular Contact Ball Bearing	14 Felt Ring	21 Centring Sleeve / LockNut	30 Nut with Two Flats
		22 Bearing Sleeve	31 Lock Washer
		23 Bush (thrust & radial bearing)	32 Motor (Entire Unit)

Recommended Types of Spare Parts to be kept in Pump House for 2year operation (as per DIN 24296)		
1 Impeller	7 Impeller wear ring	
2 Rolling Element / Angular Contact Ball Bearing	8 Cable Gland	
3 Rolling Element / Deep Groove Ball Bearing	9 Motor (Rotor, Stator)	
4 O-ring	10 Stage sleeve	
5 Mechanical seal (set)	11 Interstage bush	
6 Casing wear ring		



**Submerged VT pumpsets require just 11 types of Spare Parts (as compared to 32 for Conventional VT pumps respectively) .....**

**No need for Frequent Periodic....**

- ~~Aligning / Replacing Shafts/Sleeves &/or Coupling~~
- ~~Adjusting / Replacing Gland Packing~~
- ~~Refilling Oil &/or Grease~~

**Saves (upto 66%) Spare Parts**

**Saves (upto 90%) Consumables**

**Saves (upto 66%) O&M Staff\***