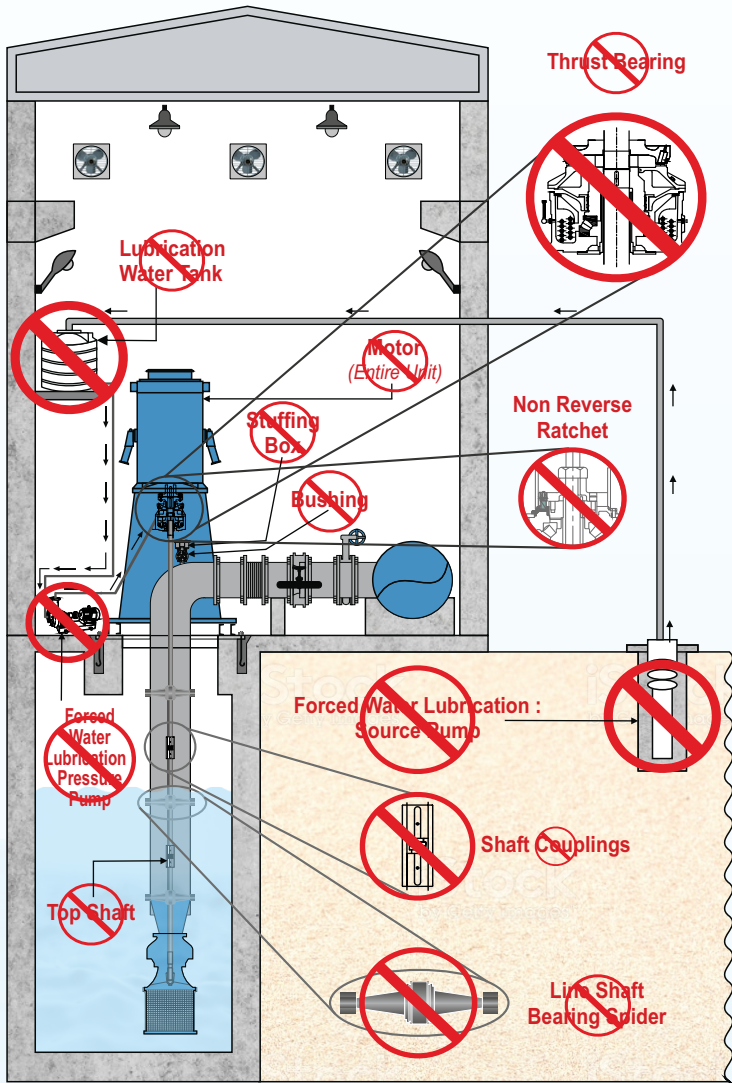


Spares & Consumables Comparison: Conventional VTs v/s Submerged VTs

Conventional VT

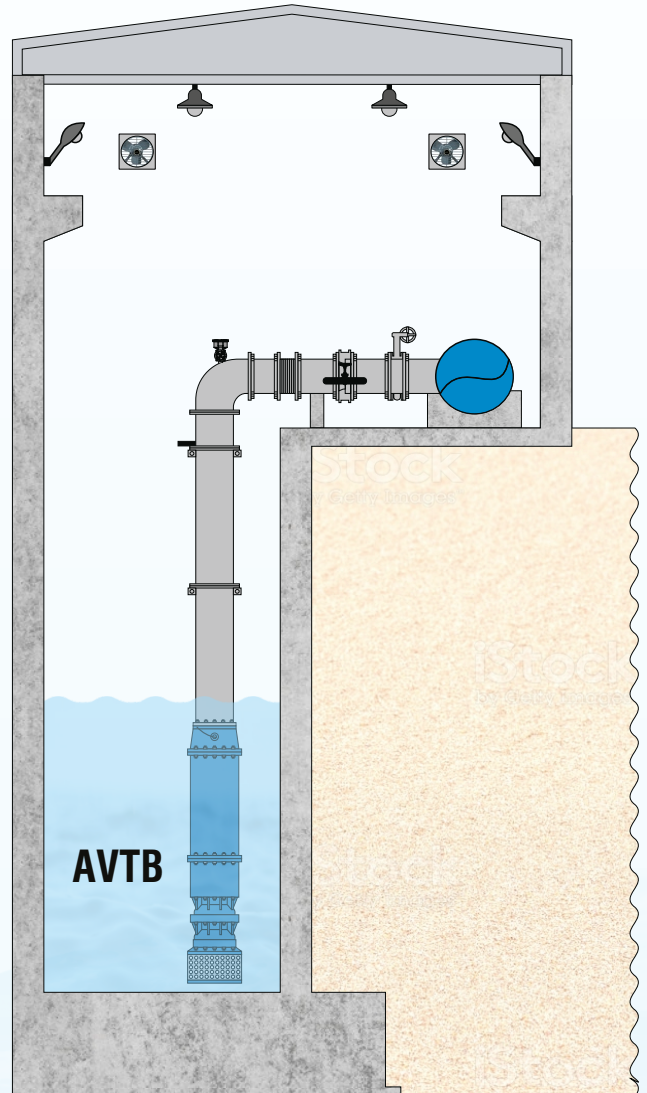


Recommended Types of Spare Parts

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)

Submerged VT



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....



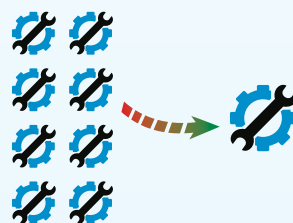
Shafts/Sleeves &/or Coupling



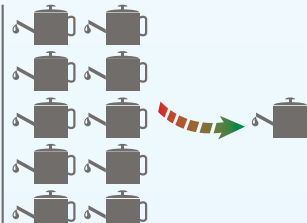
Gland Packing



Oil &/or Grease



Saves (upto 66%) Spare Parts



Saves (upto 90%) Consumables



Saves (upto 66%) O&M Staff*