

ANNEXURE

High Vacuum Pump

S.No.	Material Code	Material	Unit Code	Quantity
1.	400033003271	High Vacuum Pump	01	01
Accessories				
2.	400033192001	Moisture Trap	01	01
3.	400033192002	Vacuum Gauge 2" Dia with Regulating Valve	01	01
4.	400033192003	Oil Trap	01	01
5.	400033192004	Suction Filter	01	01
6.	400033192005	Exhaust Filter	01	01
7.	400033192006	Special Heavy Thick Walled Vacuum Rubber Tubing in a Maximum of 1 Mtr Length	01	01
8.	400033192009	Side Plate Gasket	01	01
9.	400033192010	V Belt	01	02

High Vacuum pump should be **suitable for continuous operation** in laboratory for vacuum filtration of slurry using Buchner funnel.

1. High Vacuum pump should be portable, **Direct driven** and **Double stage** type.
2. The pump should be robust and compact design, simple to operate.
3. It should have very low oil consumption, low noise level and Vibration Free operation.
4. It should have a low running cost and yet produce High Ultimate Vacuum.
5. The pump should have protection against oil and air entering the system.
6. Reliability in continuous operation, efficient pumping and easy maintenance.
7. Easy Partial dismantling facility for quick cleaning when heavily contaminated.
8. The pump and electric motor should be mounted on a single bed. Quick and easy oil changing arrangement.

Technical Specifications:

Free air displacement	9 m ³ /hr or 150 L/min
Ultimate pressure	5x10 ⁻³ mbar
Oil capacity	250-500ml
Motor	Suitable rating (HP)
Power requirement	220V, 50Hz, Single phase AC
Rotation speed of motor (RPM)	1400
Pump speed (RPM)	700-800
Net weight(Approx.)	22 to 28 kg
Intake fitting	Approx. 15mm O.D.