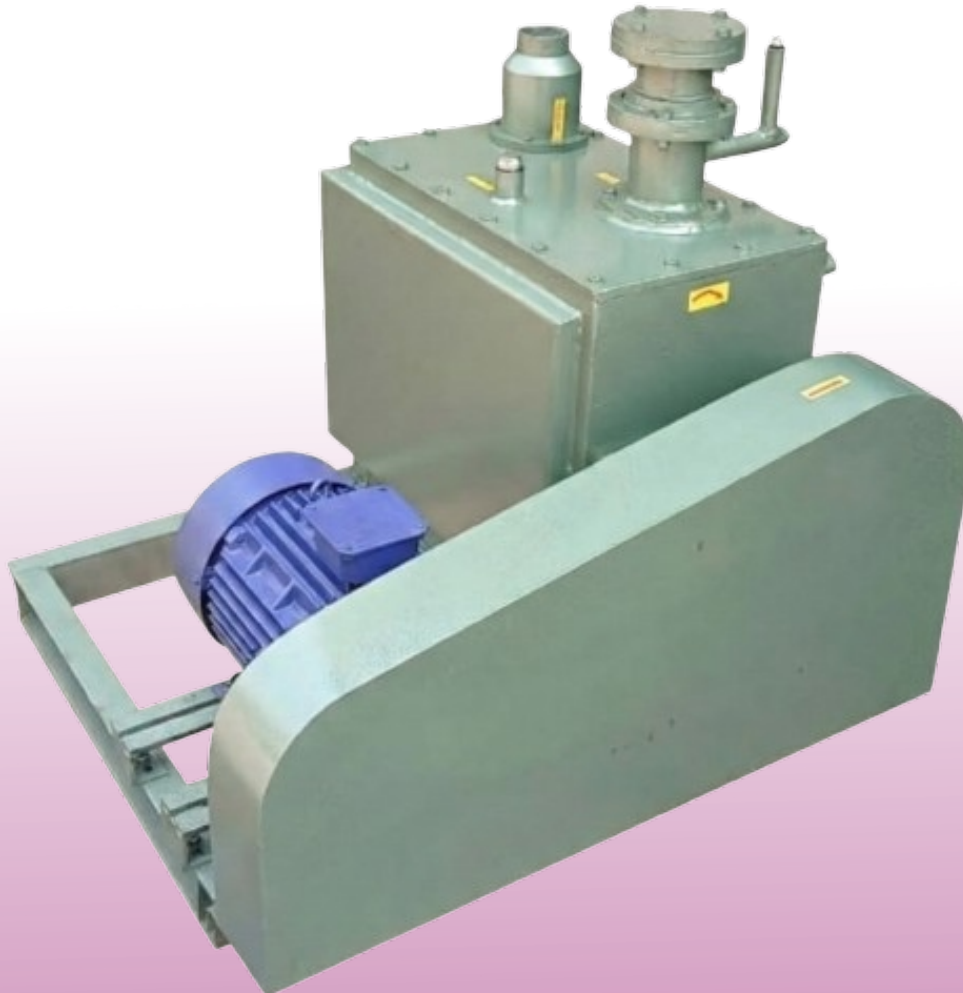




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# **OIL SEALED ROTARY HIGH VACUUM PUMP**

Basically, These are of oil-immersed, rotary vane type pumps. The rotor, with two spring loaded vanes, is mounted eccentric in the stator body. As the rotor rotates, the vanes sweep the crescent shaped air space twice, in each revolution. There is in-built non-return valve which prevents back flow of air.

Manufactured from graded materials, all moving parts are precisely machined, ground and assembled with close tolerance. The results in, increased efficiency and long trouble-free operating life.

| Model No  | No. of Stage | Free Air Displacement |       |       | Ultimate Vacuum MM. of Hg. | Drive Motor Req'd H.P | Approx Oil Filling Ltrs. |
|-----------|--------------|-----------------------|-------|-------|----------------------------|-----------------------|--------------------------|
|           |              | Lt./min               | C.F.M | M3/hr |                            |                       |                          |
| JDO-50    | 1            | 50                    | 1.8   | 3     | 0.05                       | 0.25                  | 2                        |
|           | 2            | 50                    | 1.8   | 3     | 0.005                      | 0.25                  | 2                        |
| JDO-100   | 1            | 100                   | 3.5   | 6     | 0.05                       | 0.25                  | 2                        |
|           | 2            | 100                   | 3.5   | 6     | 0.005                      | 0.50                  | 3                        |
| JDO-150   | 1            | 150                   | 5.3   | 9     | 0.05                       | 0.50                  | 3                        |
|           | 2            | 150                   | 5.3   | 9     | 0.005                      | 1.00                  | 4                        |
| JDO-300   | 1            | 300                   | 10.6  | 18    | 0.05                       | 1.00                  | 5                        |
|           | 2            | 300                   | 10.6  | 18    | 0.005                      | 1.50                  | 7                        |
| JDO-500   | 1            | 500                   | 17.6  | 30    | 0.05                       | 1.50                  | 9                        |
|           | 2            | 500                   | 17.6  | 30    | 0.005                      | 2.00                  | 12                       |
| JDO-750   | 1            | 750                   | 26.5  | 45    | 0.05                       | 2.00                  | 10                       |
|           | 2            | 750                   | 26.5  | 45    | 0.005                      | 3.00                  | 14                       |
| JDO-1000  | 1            | 1000                  | 35.3  | 60    | 0.05                       | 2.00                  | 10                       |
|           | 2            | 1000                  | 35.3  | 60    | 0.005                      | 3.00                  | 50                       |
| JDO-1500  | 1            | 1500                  | 53.0  | 90    | 0.05                       | 3.00                  | 25                       |
|           | 2            | 1500                  | 53.0  | 90    | 0.005                      | 5.00                  | 30                       |
| JDO-2000  | 1            | 2000                  | 70.6  | 120   | 0.05                       | 3.00                  | 25                       |
|           | 2            | 2000                  | 70.6  | 120   | 0.005                      | 5.00                  | 35                       |
| JDO-3000  | 1            | 3000                  | 106.0 | 180   | 0.05                       | 5.00                  | 32                       |
|           | 2            | 3000                  | 106.0 | 180   | 0.005                      | 7.50                  | 40                       |
| JDO-5000  | 1            | 5000                  | 178.5 | 300   | 0.05                       | 7.50                  | 36                       |
|           | 2            | 5000                  | 178.5 | 300   | 0.005                      | 10.00                 | 42                       |
| JDO-7500  | 1            | 7500                  | 265.0 | 450   | 0.05                       | 10.00                 | 60                       |
|           | 2            | 7500                  | 265.0 | 450   | 0.005                      | 15.00                 | 65                       |
| JDO-10000 | 1            | 10000                 | 353.0 | 600   | 0.05                       | 15.00                 | 66                       |
|           | 2            | 10000                 | 353.0 | 600   | 0.005                      | 20.00                 | 75                       |
| JDO-15000 | 1            | 15000                 | 530.0 | 900   | 0.05                       | 20.00                 | 65                       |
|           | 2            | 15000                 | 530.0 | 900   | 0.005                      | 25.00                 | 80                       |
| JDO-20000 | 1            | 20000                 | 710.0 | 1200  | 0.05                       | 25.00                 | 70                       |
|           | 2            | 20000                 | 710.0 | 1200  | 0.005                      | 30.00                 | 80                       |

## ACCESSORIES

**Air Ballast :** This is a pipe introducing air before actual compressor, which eliminates condensation of the sucked Vapour, thereby avoiding contamination of oil.

**Air Admittance Valve :** It is electromagnetic solenoid type which admits air into the system, as soon as the power supply fails. This prevents back-flow of oil to this system.

**Non-Return Valve :** It is rubber diaphragm type, spring loaded valve, which prevents back-flow of oil to the system as soon as pump stops. These can not be used to hold vacuum in the system for longer periods.