

# Centralised Vacuum Systems

*Toshniwal*<sup>®</sup>

Leaders since four decades in vacuum engineering, our experience has helped us design centralised vacuum system - TCS and TCD series.

The TCS and TCD series are mainly formed by

- Pumps having pumping speed from 15 to 1000 m<sup>3</sup>/hr
- Back - up volumes 300L to 1000L (larger buffer tank upon request)
- The pumps are oil lubricated type (not oil immersed). The lubricant system is rated for continuous operation at high intake pressure.
  - High pumping speed, Multivane, No pollution, Air Cooled, Built in Anti Suck-Back System
  - Higher water vapour tolerance and low noise level.
- Choice of selection of required operating pressure from wide vacuum range the system can cater. The buffer tank vacuum level can be controlled from 1mbar to 850mbar (absolute)

The centralised vacuum system is with vacuum controller. The controller drives the pump. At peak demand both the pumps, and during normal demand, only one will be running. The running hour meter helps to change over manually, so as to evenly spread the number of operating hours across both the pumps. Your benefits are all more apparent, higher productivity, lower running costs.

Toshniwal's centralised vacuum system can be used in various vacuum applications such as

- Hospitals • Packaging industries
- General manufacturing plant • Laboratories.

*TREND SETTING TECHNOLOGIES  
IN VACUUM APPLICATION  
FOR PROCESS  
INDUSTRIES....*



For all those central system requirement in medical field such as Hospitals, Clinics, Nursing Homes, Analytical Laboratories (bio technology) etc., we suggest special MEDI SYSTEM, manufactured in observance of EN 737-3 standards.



- Centralised system with three pumps to guarantee the continuity of operation also in case of emergency.
- Two antibacterial filters to trap virus and bacteria avoiding their propagation to environment. Bypass system for easy service.

### Technical Data

MODEL CAPACITY	BUFFERTANK CAPACITY Liters	PUMP CAPACITY (M <sup>3</sup> /h)	MOTOR POWER (kW)	OPERATING VOLTAGE	MOTOR SPEED (min <sup>-1</sup> )
TCS 300.15	300	15	0.5	415V 50Hz 3Ø	1400 RPM
TCS 500.35	500	35	0.75		
TCS 1000.65	1000	65	1.5		
TCD 300.15	300	15+15	0.5+0.5		
TCD 500.35	500	35+35	0.75+0.75		
TCD 1000.65	1000	65+65	1.5+1.5		

Also available from TOSHNIWAL

*Oil Lubricated Vacuum Pumps, Oil Immersed Vacuum Pumps, Roots Pumps, Vacuum Pumping Systems, Vacuum Impregnation Plants, Epoxy Resin Mixing & Casting Plants, Vacuum De-Hydration cum Gas Charging Unit, Oil Less Vacuum Pump, Ultra High Vacuum Pumps.*

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