



Centralised Vacuum Systems TCS & TCD Series

Built with Expertise, Made to Deliver

Centralised Vacuum Pump

Trusted Vacuum Engineering for Over 40 Years With four decades of expertise in vacuum technology, Toshniwal Vacuum has developed the TCS and TCD Series Centralised Vacuum Systems—engineered for high-efficiency performance across industrial and medical environments.

System Overview & Technical Highlights:

- Pumping Speed Range: 15 to 1000 m³/hr
- Buffer Tank Volume: 300L to 1000L (custom sizes available)
- Oil-Lubricated Pumps (non-immersed) with continuous-duty lubricant system
- Air-Cooled Design with built-in Anti Suck-Back System
- Vacuum Control Range: 1 mbar to 850 mbar (absolute)

Smart Vacuum Controller:

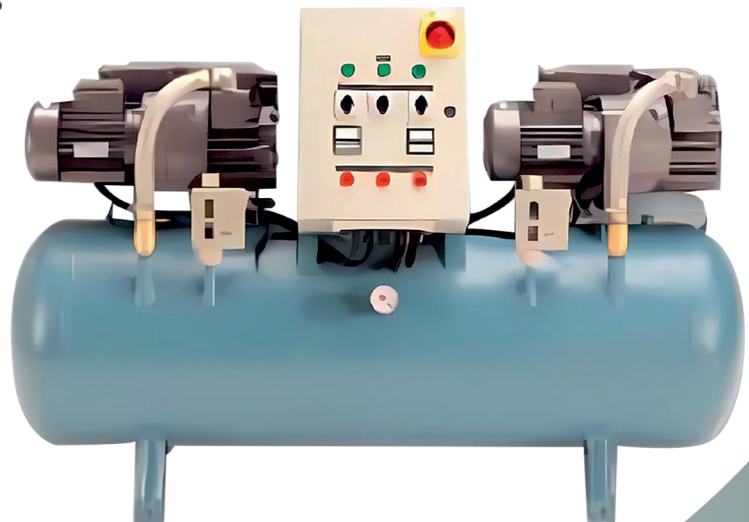
1. Automatically switches between single or dual pump operation based on demand
2. Includes running hour meter for manual alternation and balanced usage

Benefits

- Higher productivity, reduce energy consumption, and lower operating costs

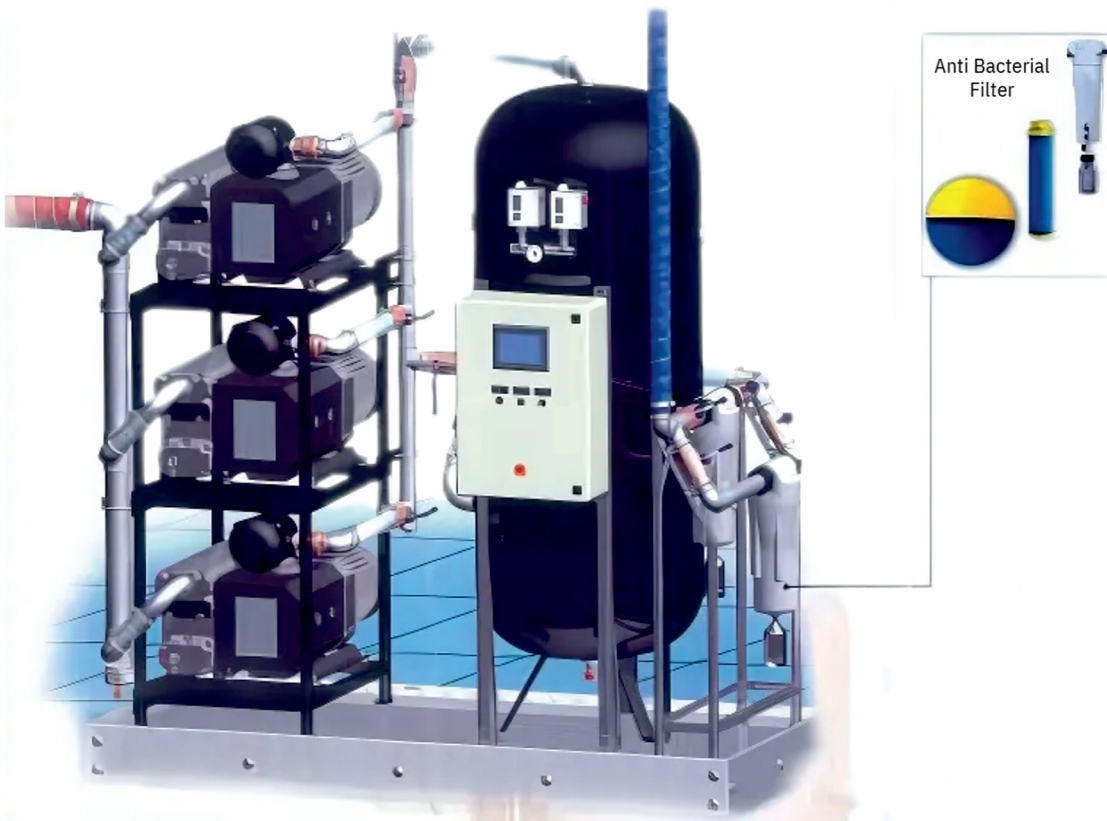
Applications Across Industries

- Hospitals & Medical Facilities
- Packaging & Processing Industries
- General Manufacturing Plants
- Laboratories & R&D Centers



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For centralized vacuum system requirements in medical environments, including hospitals, clinics, nursing homes, and biotechnology laboratories, Toshniwal Vacuum offers the specialized MEDI SYSTEM, designed and manufactured in compliance with EN 737-3 standards to ensure safety, reliability, and performance in critical healthcare applications.



- 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.

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Technical Data

Model Capacity	Buffertank Capacity Liters	Pump Capacity (M3/hr)	Motor Power (KW)	Operating Voltage	Motor Speed (Min-1)
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		