

STOKES CDS SERIES

Dry screw chemical vacuum pumps

STOKES[®]
VACUUM

For over 100 years, the Stokes vacuum have offered time-tested, proven performance with experienced service and technical support you can rely on.

The new Stokes CDS dry screw chemical vacuum pump from 250 - 1600 m³/h offers the latest screw technology to provide a clean, effluent-free vacuum specifically for the chemical, pharmaceutical and petrochemical industries.

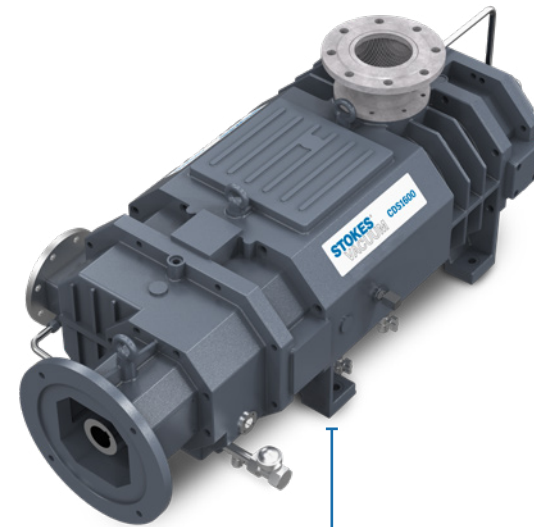
We introduce the new Stokes CDS dry screw chemical vacuum pump

With rapid advances in technology, chemical processing industries place increasingly challenging demands on vacuum systems. Vacuum pumps need to handle increasingly complex chemicals, solvents and compounds in a reliable and safe way while ensuring control and reduction of environmental pollution at a cost-effectiveness of ownership.

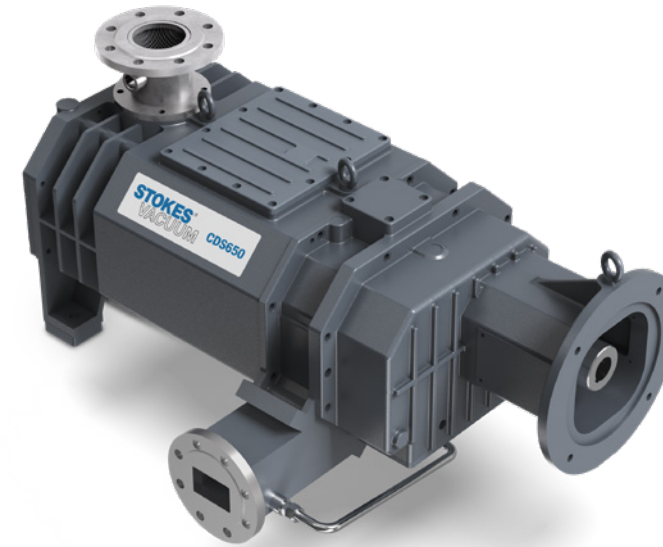
The Stokes CDS dry screw chemical vacuum pump, designed with a strong focus on the fine chemical and pharmaceutical markets, is ideal for a wide range of chemical applications. At its core, the Stokes CDS features a variable-pitch dry screw mechanism, ensuring adaptability for diverse processes. Engineered for ease of use, the system is "plug and play" with minimal setup required, yet also offers configurable options to accommodate specific chemical process needs when necessary.



CDS650 BS



CDS1600 BS



Advanced screw vacuum technology simply packaged

Enjoy peace of mind with easy installation, seamless system integration, comprehensive support, and reliable high-performance pumping.



Long-life and easy to maintain

With low maintenance costs and extended intervals between service, productivity is increased, and unplanned downtime is minimized.



Extra performance to meet demanding requirements

High roughing and pumping speeds enable faster pump-down times and increased throughput where it matters most.



Flexibility for a changing market

Safe and compliant to meet diverse customer needs, with engineer-to-order modular building blocks for customized pumping systems and selectable bottom or alternative exhaust options.



Corrosion resistance with wet parts plated with Hastelloy alloy (Ti or duplex steel option available)



Bare shaft or direct drive easily configured for flexibility



Purge protection to prolong life in harsh processes

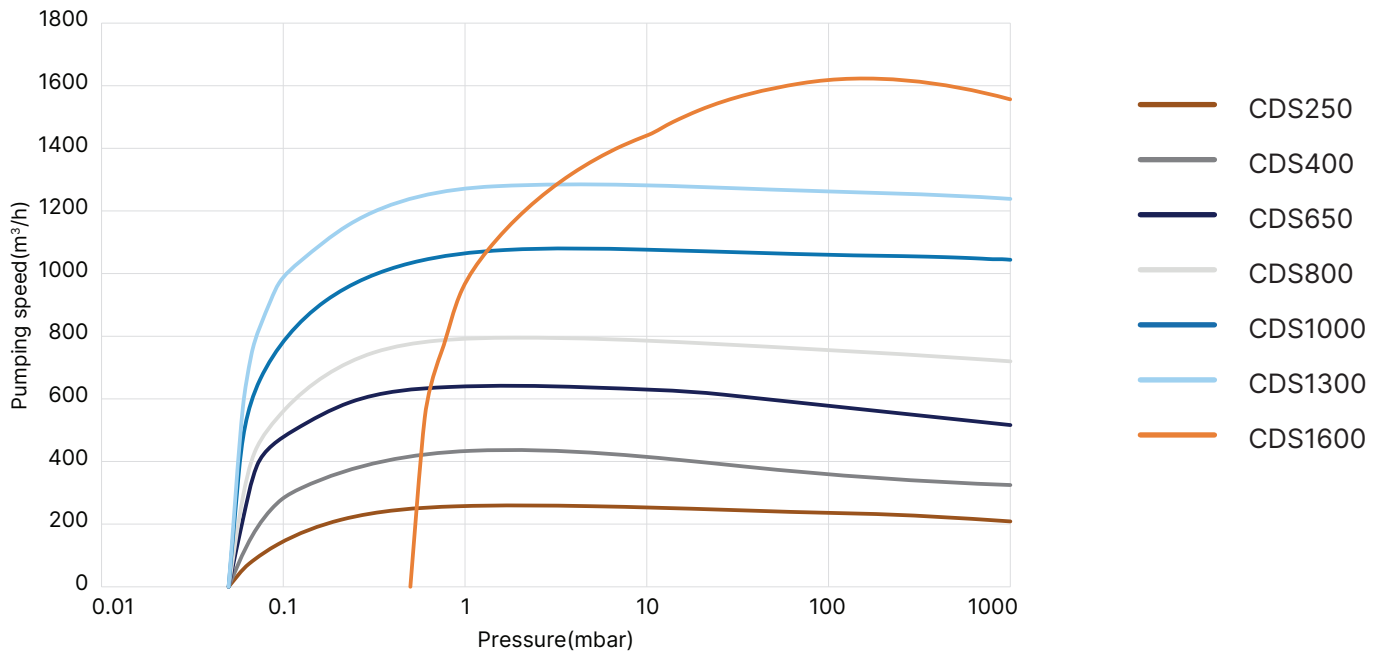


FKM sealings and PTFE shaft seal as standard

Technical Specifications

	Units	CDS250 BS	CDS400 BS	CDS650 BS	CDS800 BS	CDS1100 BS	CDS1300 BS	CDS1600 BS
Nominal speed	m ³ /h	250	400	650	800	1100	1300	1600
Ultimate pressure	mbar(A)	0.05	0.05	0.05	0.05	0.05	0.05	0.5
Max. discharge pressure	bar(A)	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Motor speed	RPM	2950	2950	2950	2950	2950	2950	2950
Motor power	kW	7.5	11	15	18.5	30	30	37
Noise level	dB(A)	≤72	≤76	≤78	≤80	≤85	≤85	≤85
Dimension (Envelope)	L	872	1022	1122	1197	1431	1578	1578
	W	502	498	573	573	645	645	645
	H	470	470	534	534	580	580	580
Weight	kg	326	374	460	566	733	904	926
Inlet		DN65	DN65	DN100	DN100	DN150	DN150	DN150

Performance curve



Service solutions

We offer a full complement of vacuum pump services, including commissioning, genuine spare parts and oil, remanufacturing, service exchange, field services, and managed maintenance.

