

D_200 – Unique in design, ultra clean and environmentally friendly

Dry pumps with rotary screw

The D_200 family of rotary screw vacuum systems features remarkably reliable and highly efficient dry vacuum pumps. A unique rotary screw design, ultra clean gas purged seals, and no oil lubricants within the pumping chambers make this dry pump very environmentally friendly.

It can handle corrosives, organics, inorganics and solvents because of its oil-free non-contacting screw design. As a result of this design, the pump has a long life span without any internal wearing parts.

Unlike other units where corrosion can occur between the screw rotor and shaft, in tappings on the screws, etc., the D_200's shafts and screws are each one solid piece allowing for the safest, most problem-free design.

With the gas enclosed between the screw flights and then axially transferred to the discharge, there isn't a chance of contaminating valuable solvents, products or the environment.

The D_200 family of dry screw pumps is ideal for vapor recovery of process chemicals and solvents. This makes them the ultimate system to have – saving energy, emissions and most importantly, operating costs.

Another feature of the dry pumps is that they can be either direct cooled or indirect cooled depending on the application. An optional air cooling arrangement can even be provided to ease installation.

The benefit of the direct cooling process is such that the temperature of potentially combustible gases can be kept constant, preventing high temperatures that could cause auto ignition. Engineered systems capture condensables at the discharge, reducing emissions.

nash_elmo™ D_200 Dry Pro® rotary vacuum pumps are manufactured to ISO 9001:2000 standards and are ATEX compliant. They are backed by more than 100 years of vacuum technology and a worldwide service network. Our commitment to excellence and customer service extends from manufacturing and installation to technical assistance and beyond. We are fully staffed with a knowledgeable sales force and engineering expertise to provide total and timely support for all your vacuum needs.



Applications

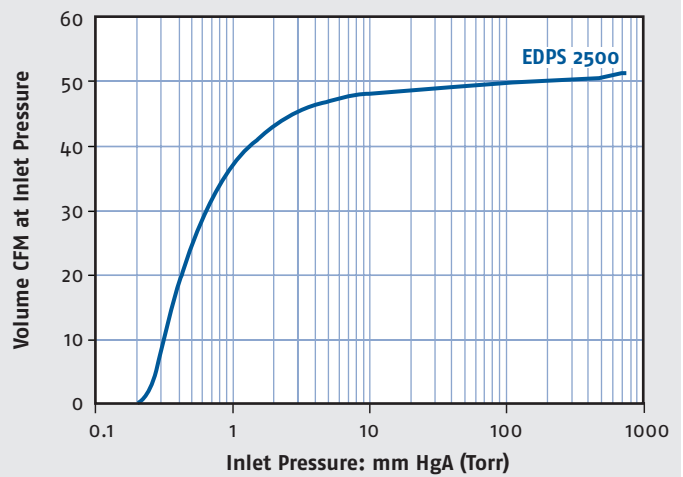
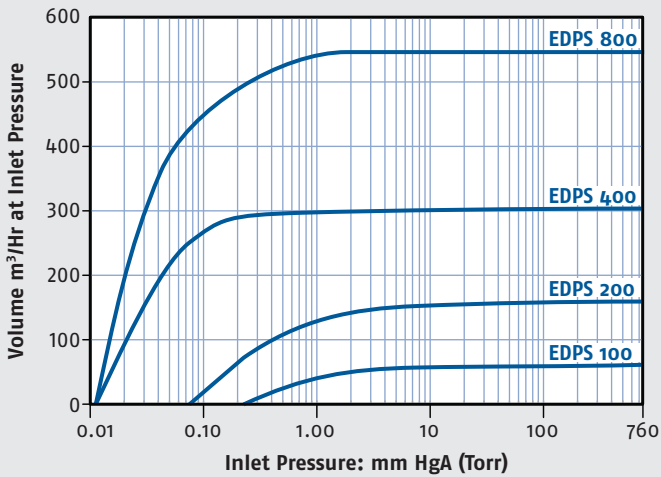
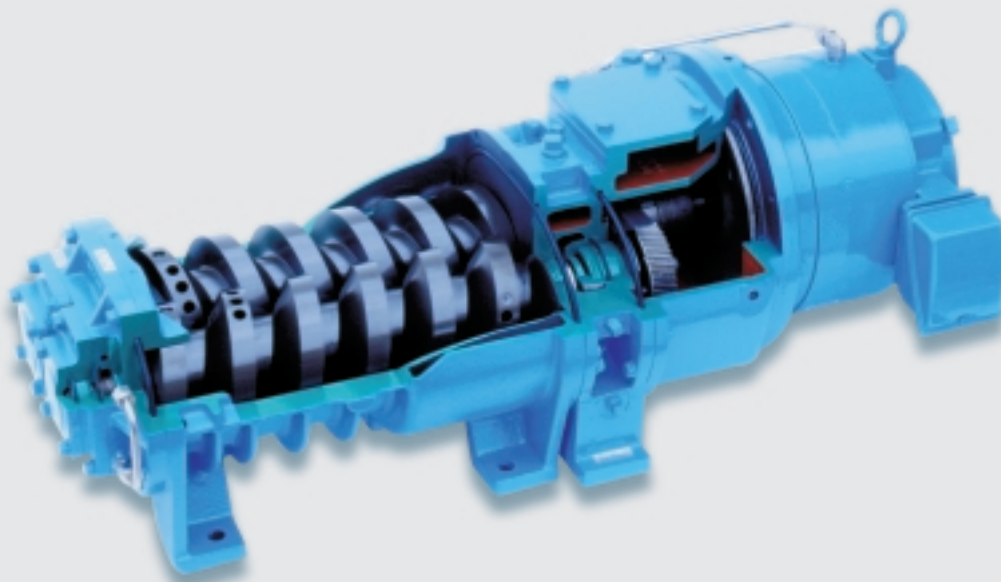
- crystallization
- distillation
- drying
- evaporators
- metallurgical processing
- reactor service
- solvent recovery
- sterilizers

Features

- simplicity
- single stage design
- controlled internal temperatures
- straight gas path
- oil-free pumping chamber
- special thread form, dynamically balanced
- low ultimate vacuum-full capacity

Benefits

- reliability, low maintenance
- no interstage condensers
- energy efficient
- minimal residence time
- environmentally friendly without oil
- low-noise, low vibration
- fast evacuation time



EDPS Model		EDPS 100	EDPS 200	EDPS 400	EDPS 800	EDPS 2500
Capacity (50Hz)	m³/hr	65	160	300	550	1650
Maximum Sound Level*	dba	75	77	79	82	85
Ultimate Pressure	mbar	0.4	0.13	0.06	0.06	0.13
Power Consumption	kw	2.8	4.8	8.5	19	62
Water Usage Rate	lpm	2.7	4.55	9.09	14.55	36.37
Dimensions (cm)	length	118	127	160	176.5	214
	with	43	76	86.5	70	70
	height	56	65	73	81	155
Weight	lbs	150	200	335	660	1815

* With Optional Exhaust Silencer
 Connections are standard DIN sizes
 Other flange standards are also available

DPS Model		DPS 50	DPS 100	DPS 200	DPS 400	DPS 1000
Capacity	acfm	60	110	220	400	1300
Maximum Sound Level*	dba	77	80	82	85	85
Ultimate Pressure	torr	0.3	0.1	0.05	0.05	0.1
Power Consumption	hp	5	10	20	40	100
Water Usage Rate	gpm	0.5	1	2	3.2	8
Dimensions (Inches)	length	46	50	63	69	84
	with	17	30	34	27.5	70
	height	22	25.5	28.75	32	60
Weight	lbs	330	440	730	1450	4000

* With Optional Exhaust Silencer

We also design and develop solutions tailored to your individual needs. Let us know.

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