

SDE Series

01
FEATURE

Apply screw type rotor with higher performance against by-product.

High corrosion resistance from structural materials and temperature control.

02
FEATURE**Energy-saving by optimal parameters****03**
FEATURE

Various lineups according to pumping speed.

Provide a wide range of process with a variety of settings.



Harsh Process Application Example

Metal-Etch

- ▶ Al-Etch
- ▶ W-Etch

PE-CVD

- ▶ SiN
- ▶ SiON

SA-CVD

- ▶ TEOS
- ▶ SiN
- ▶ SiO

Metal-CVD

- ▶ WSi
- ▶ HfO
- ▶ AlO

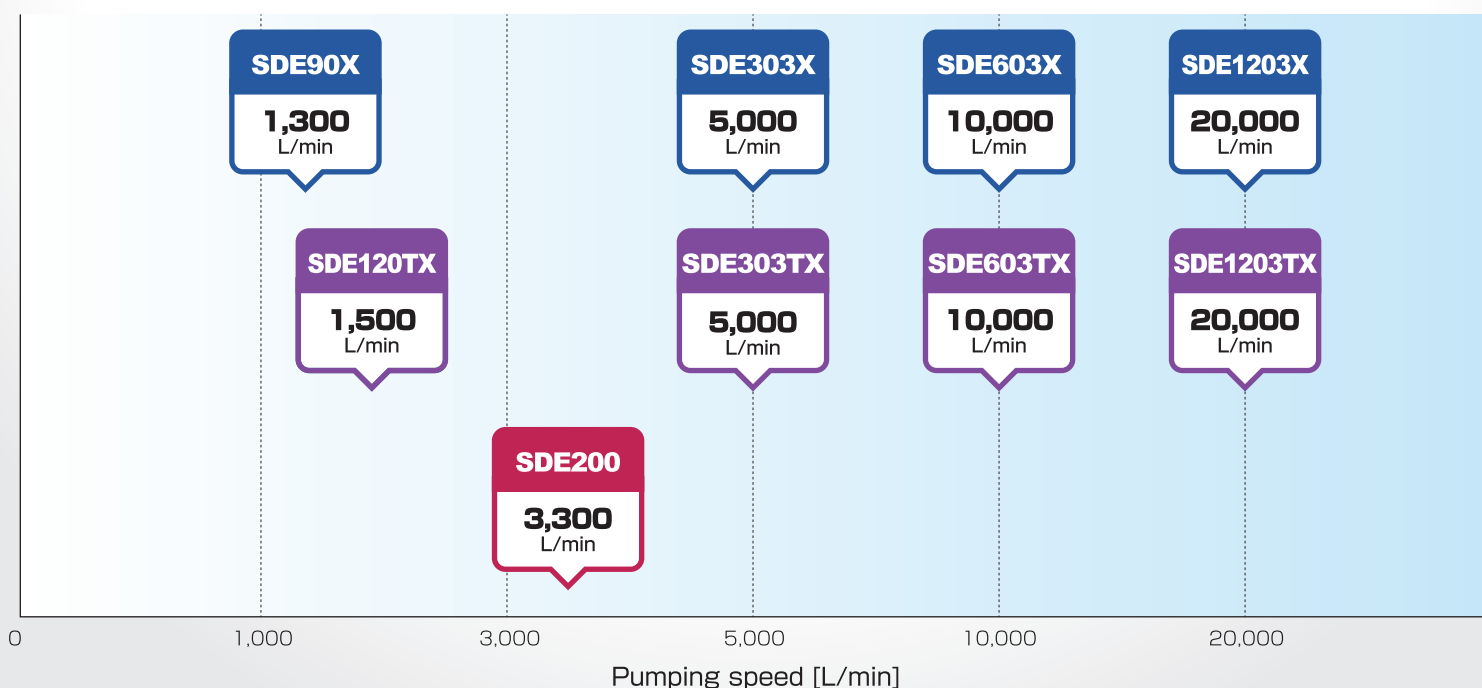
LP-CVD

- ▶ DSC-SiN
- ▶ HCD-SiN
- ▶ Poly

ALD

- ▶ ALD-TiN
- ▶ ALD-SiON
- ▶ ALD-SiO

Lineup by Pumping Speed

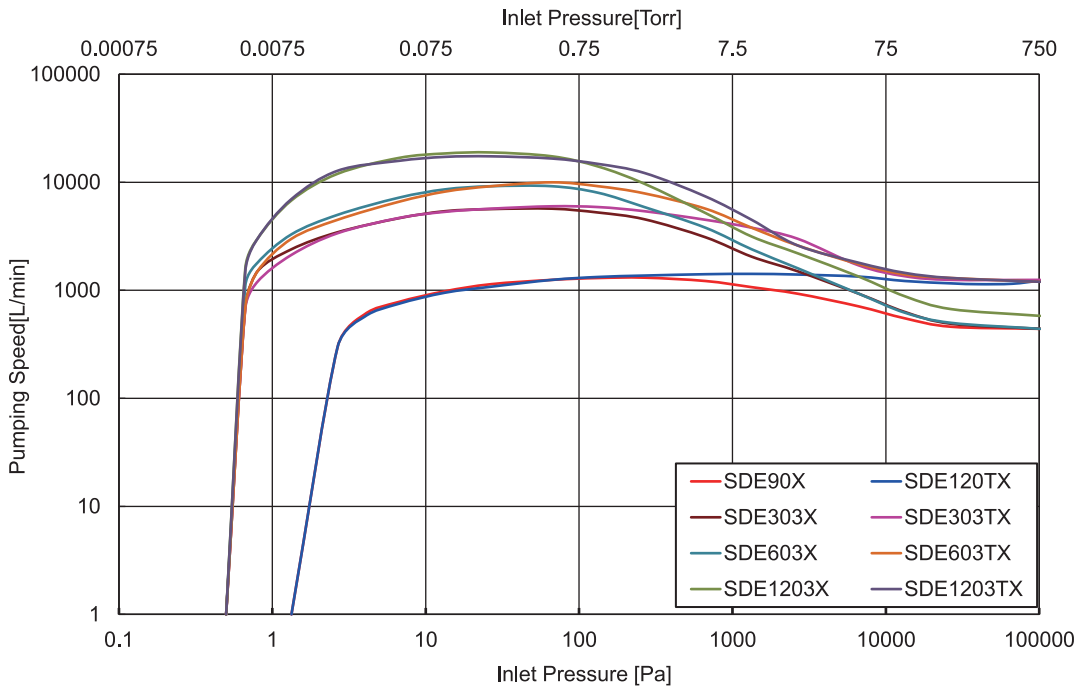


Major Products

Spec. / Products		SDE90X	SDE120TX	SDE200	SDE303X/TX	SDE603X/TX	SDE1203X/TX
Max. pumping speed *1 *4 [L/min]		1,300	1,500	3,300	5,000	10,000	20,000
Ultimate pressure [Pa] *1		1.3			0.5		
Supply voltage (50/60Hz)		3Phase AC200-220V *5					
Power consumption (kW) *2		1.3	2.8	2.7	1.5/3.0	1.6/3.1	2.0/3.2
Dimensions [mm] *3	L	690		930	760		900
	W	370		400	400		
	H	501		500	905		

*1) Data without heater nor N2 purge *2) Approx. value at ultimate pressure. *3) Package size. *4) The maximum pumping speed is an approximate value.
*5) Contact us for other voltage options. * Contact us about applicable gas.

S-P Curve



Option

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Dry Pump temperature selection for each process.
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Select booster pump / pipe heating specification.
- 

Supplemental choice of foreline & exhaust-line against by-product.
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Operational status can be monitored by Centralized Monitoring System (CMS).
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The total exhaust system of which equipped with abatement (heater, plasma, or combustion model).

○Specifications and model names are subject to change without prior notice.
○Products displayed in this catalog must be approved for export in accordance with the Foreign Exchange and Foreign Trade Control Act. Before placing an export order, please contact our Sales Department.

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