

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

SA-CVD

- ▶ TEOS
- ▶ SiN
- ▶ SiO

Metal-CVD

- ▶ WSi
- ▶ HfO
- ▶ AlO

PE-CVD

- ▶ SiN
- ▶ SiON

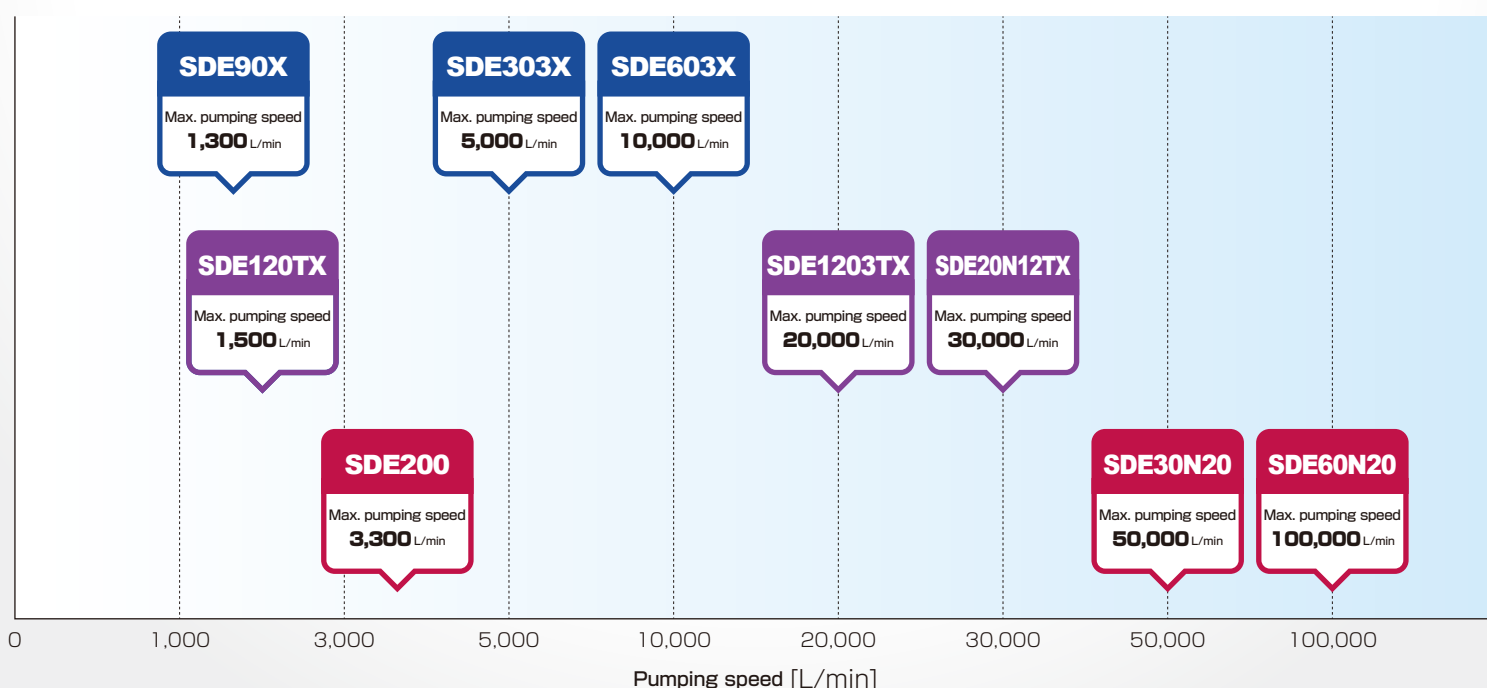
LP-CVD

- ▶ DSC-SiN
- ▶ HCD-SiN
- ▶ Poly

ALD

- ▶ ALD-TiN
- ▶ ALD-SiON
- ▶ ALD-SiO

Lineup by Pumping Speed



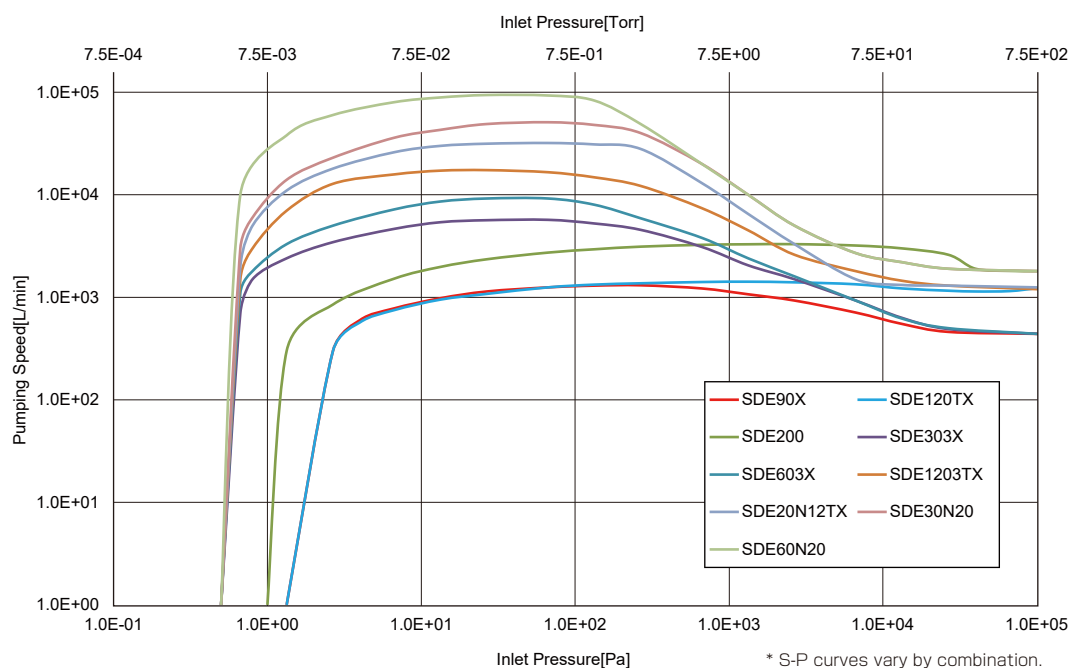
Major Products

Spec. / Products		SDE90X	SDE120TX	SDE200	SDE303X	SDE603X	SDE1203TX	SDE20N12TX	SDE30N20	SDE60N20
Max. pumping speed *1 [L/min]		1,300	1,500	3,300	5,000	10,000	20,000	30,000	50,000	100,000
Ultimate pressure [Pa] *1		1.3			0.5					
Supply voltage (50/60Hz)		3Phase AC200-220V, 380-480V								
Power consumption (kW) *2		1.3	2.8	2.7	1.5	1.6	3.2	3.3		3.7
Dimensions [mm] *3	L	690		930	900			1000	1000	1080
	W	370		400	400			450	450	515
	H	501		500	905			1000	950	950

*1) Without N₂ purge. *2) Approx. value at ultimate pressure. *3) Package size.

* Contact us about international standard compliance. Spec. & name of products are subject to change without prior notice. * Contact us about applicable gas.

S-P Curve



Option

- OPTION** Dry Pump temperature selection for each process.
- OPTION** Select booster pump / pipe heating specification.
- OPTION** Supplemental choice of foreline & exhaust-line against by-product.
- OPTION** Operational status can be monitored by Centralized Monitoring System (CMS).
- OPTION** The total exhaust system of which equipped with abatement (heater, plasma, or combustion model).

Contact

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