

# 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

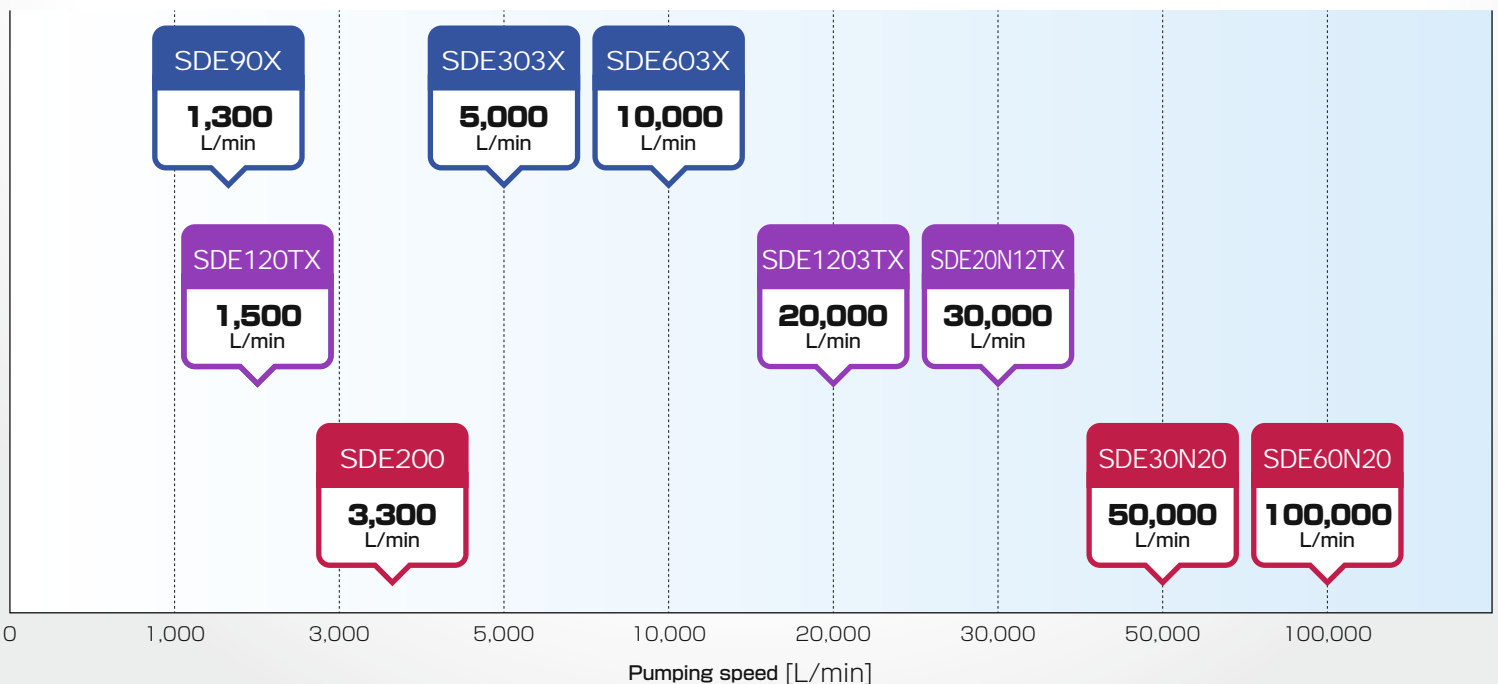
### LP-CVD

- ▶ DSC-SiN
- ▶ HCD-SiN
- ▶ Poly

### ALD

- ▶ ALD-TiN
- ▶ ALD-SiON
- ▶ ALD-SiO

## Lineup by Pumping Speed



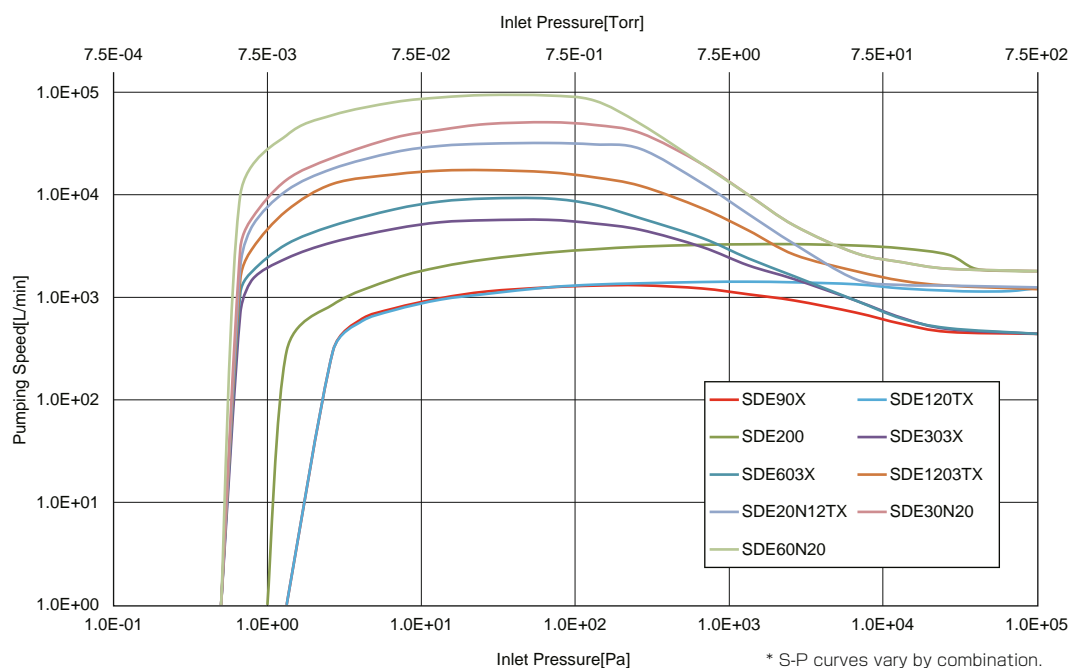
## Major Products

Spec. / Products	SDE90X	SDE120TX	SDE200	SDE303X	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									
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 N<sub>2</sub> 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



Dry Pump temperature selection for each process.



Select booster pump / pipe heating specification.



Supplemental choice of foreline & exhaust-line against by-product.



Operational status can be monitored by Centralized Monitoring System (CMS).



The total exhaust system of which equipped with abatement (heater, plasma, or combustion model).

## Contact

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