

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

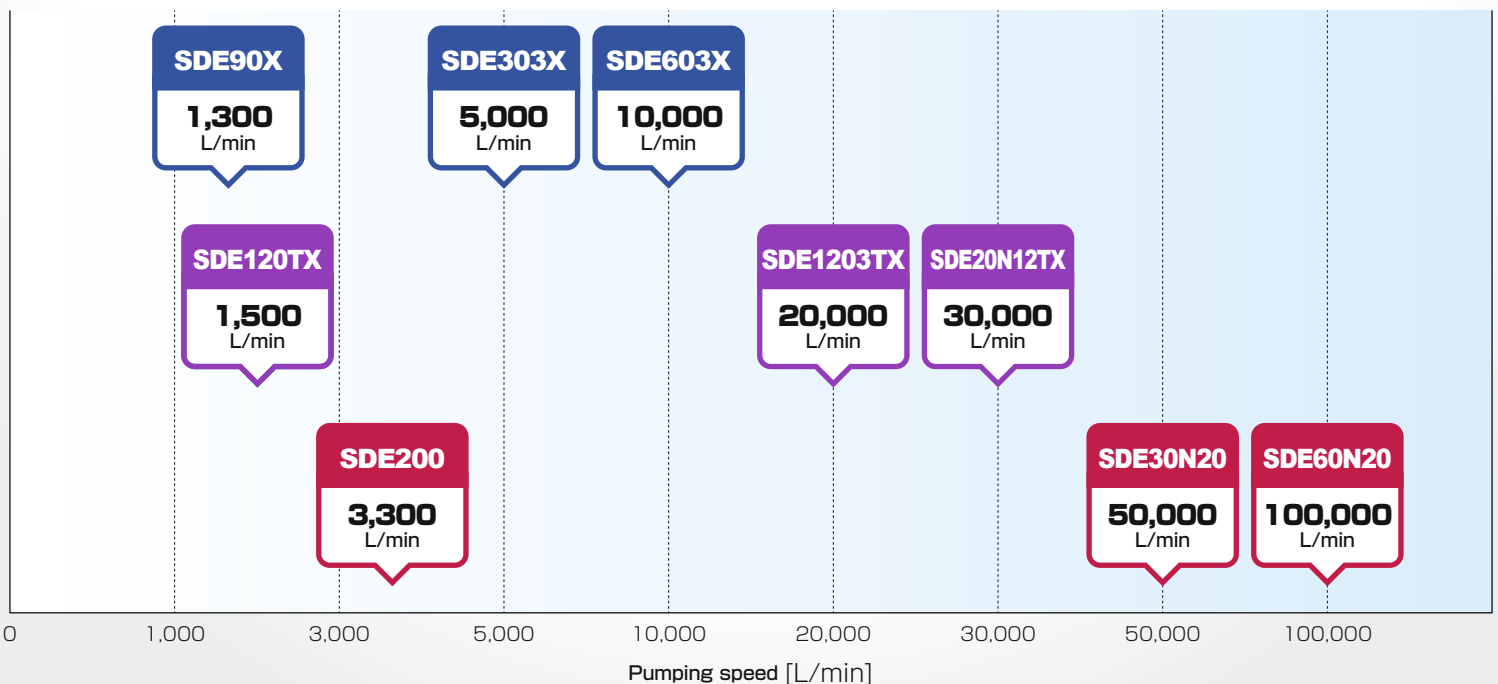
LP-CVD

- ▶ DSC-SiN
- ▶ HCD-SiN
- ▶ Poly

ALD

- ▶ ALD-TiN
- ▶ ALD-SiON
- ▶ ALD-SiO

Lineup by Pumping Speed



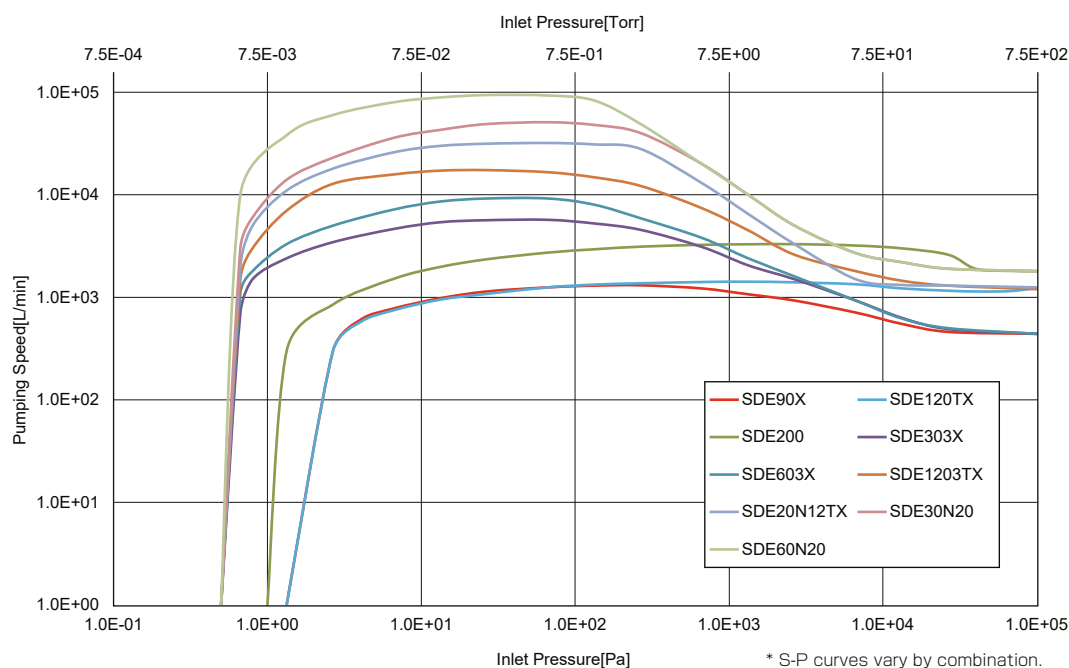
Major Products

| 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 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



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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