

SD series 2 stages

2005SD - 2010SD - 2015SD - 2021SD - 2033SD - 2063SD - 2100SD



Adapted to all current non-corrosive applications :

- Lamps manufacturing
- Neon signs manufacturing
- Electron tubes evacuation
- TV tubes manufacturing
- Metallurgy
- Centrifuges....

SD series rotary vane pumps address the requirements of all major vacuum applications in diverse industries.

From 5 to 21 m³/h /h:

●no oil mist pollution at the exhaust :
the natural lubrication design offers the lowest oil mist level, even with high throughputs or frequent cycling between atmosphere and ultimate pressure.

From 33 to 100 m³/h/h:

●forced lubrication for continuous operation at all pressures.

●built-in anti-suckback, activated by the oil pump, for protection of vacuum system against pressure rise.

●rugged design for improved



2010SD



2033SD

Ultimate total pressure (*) open gas ballast	mbar	10 ⁻²	10 ⁻²	10 ⁻²	10 ⁻²	2.10 ⁻²	2.10 ⁻²
Water vapor capacity 50/60Hz	g/h	120/110	125/100	110/100	90/90	700	1200
Water vapor pressure 50/60Hz	mbar	35/25	20/15	12/10	7/7	30	25
Weight (max)	kg(lbs)	25(55)	26(57.2)	27(59.4)	28(61.6)	61(134)	93(205)
Dimensions	see page	25	25	25	25	27	27
Electrical motors	see page	8	8	8	8	31	31
Max nominal power rating 50/60Hz	kW	0.45/0.55	0.45/0.55	0.45/0.55	0.45/0.55	1.1/1.3	2.2/2.6
Min ambient temperature	°C(°F)	12(54)	12(54)	12(54)	12(54)	12(54)	12(54)
Max ambient temperature	°C(°F)	45(113)	45(113)	45(113)	45(113)	45(113)	45(113)
Oil capacity	l	0.83	0.95	0.95	0.98	3.6	7
Inlet flange	ISO-KF	DN25	DN25	DN25	DN25	DN40	DN40
Exhaust flange	ISO-KF	DN25	DN25	DN25	DN25	DN40	DN40

(*): according to Pneurop specifications; with ALCATEL mineral oil.

Maintenance kits

In order to simplify maintenance performed in the field, ALCATEL provides maintenance kits including interchangeable components.

●Minor kit includes all necessary seals (shaft seals, valves,

Accessories

ALCATEL offers a comprehensive range of accessories (mist eliminators, filters, traps...) in order to optimize pump operation in various running conditions. These accessories are described page 45 to 62.

Pumping speed characteristics

See pages 29 to 33 for pumping speed/pressure and pressure drop curves.
Ordering information: see pages 38 to 41.

o-rings...)

●Major kit includes Minor kit plus vanes, springs, plugs...

●Shaft seal kit (for 2005SD to 2021SD) includes all components (lip seal, shaft sleeve...) necessary for fast periodic renewal of external shaft seal.

Oils

Oils of different viscosities and specifications are available, to enable customers to obtain the best performance from rotary vane pumps, under different application conditions.
See pages 42 and 43.