

NeoDry Series

01

FEATURE

Maintenance cycle;
Once in 6 years!
(Approx. when Air/N₂ is used)



02

FEATURE

No Tip-seal replacement,
No Performance deterioration,
No Particles!

03

FEATURE

No Oil smoke,
No chamber contamination!

04

FEATURE

Hassle free to replace
rotary/scroll pumps!

05

FEATURE

Condensation-prone gas,
like water vapor or solvent, available!

06

FEATURE

By virtue of inverter,
frequency does not
affect to performance!

07

FEATURE

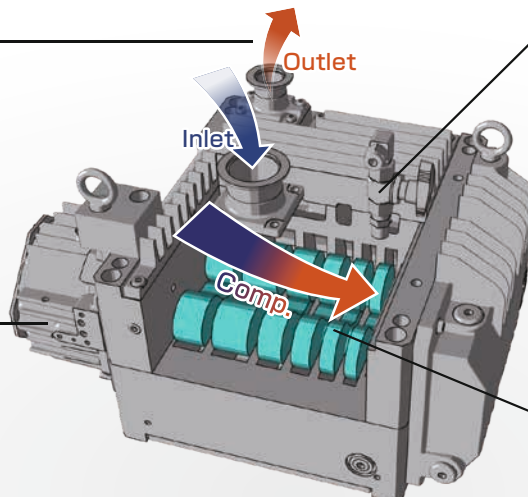
Low noise, low vibration!

Mechanism

Two multi-stage root-rotors rotate without contact,
compressing gas for exhaust.

No oil in pumping room: Dry pumping with
"Clean exhaust"

No cooling water:
"Air cooled"



"Gas ballast port" (optional) can
take gas to reduce partial pressure
of condensation-prone gas, and
prevent it from condensation inside.

Roots rotors rotate without contact
arising no particle.
**"No performance
deterioration and long life"**

Major Products

Spec. / Products	NeoDry7E	NeoDry15E	NeoDry30E	NeoDry36E	NeoDry60E	NeoDry100E	NeoDry300E
Max. pumping speed [L/min]	110	250	500	600	1,000	1,670	5,000
Ultimate pressure [Pa] (Without gas ballast)	5.0	1.0			2.0		0.3
Supply voltage (50/60Hz) *1	Single Phase, AC100 ~ 120V Single Phase, AC200 ~ 240V	Single Phase, AC100 ~ 120V Single Phase, AC200 ~ 240V 3Phase, AC200 ~ 240V			Single Phase, AC200 ~ 240V 3Phase, AC200 ~ 240V		
Gas ballast mechanism	Standard accessory	Optional (N ₂ available)				Standard accessory	
Max allowable moisture [g/h] (With gas ballast)	120	250		350	600		
Noise [dB(A)] (Inlet closed)	≤56			≤58	≤60	≤55	≤72
Vibration [μmp-p] (Inlet closed)	≤8						≤15
Mass [kg]	19	23	25	54	56	90	125
Inlet size	NW25		NW40				NW50
Outlet size	NW25						
Dimensions [mm] L×W×H *2	360×196×219	385×210×250	410×210×250	475×298×275	530×315×275	576×320×342	574×304×575

*1) Contact us for other voltage options. *2) Package size.

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

Application

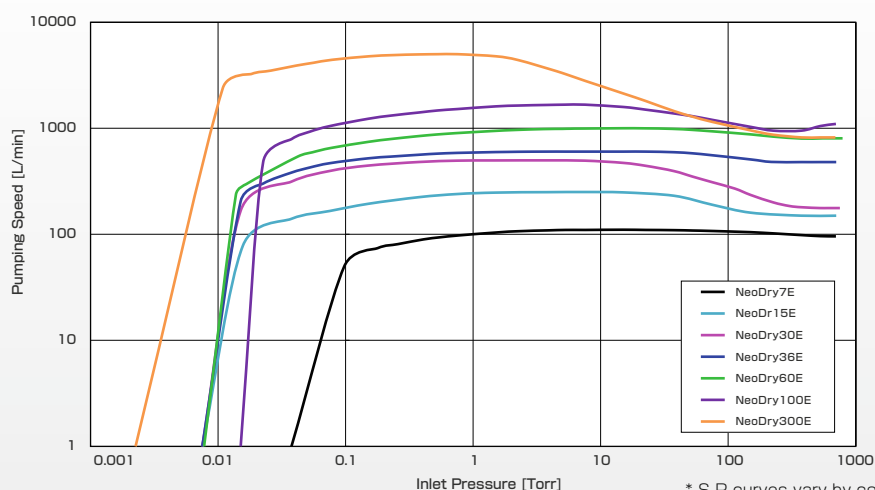
- ▶ Vacuum Drying
- ▶ Vacuum Filling
- ▶ Accelerator
- ▶ Backing pump for Turbo
- ▶ Electrode Drying
- ▶ Suction Conveyance
- ▶ Mass Spectrograph
- ▶ Vapor Pumping
- ▶ Vacuum Degassing
- ▶ Vapor Deposition
- ▶ Centrifuge
- ▶ Solvent Pumping
- ▶ Vacuum Molding
- ▶ Gas Displacement
- ▶ Freeze Dryer
- ▶ He Pumping
- ▶ Vacuum Packing
- ▶ Electron Microscope
- ▶ Evaporator
- ▶ Plasma Cleaning etc.

i Please contact us for more information about specifications except standard models listed on this catalog.

Our Customers

- ▶ Hokkaido Univ.
- ▶ Nagoya Univ.
- ▶ J-PARC
- ▶ National Institute of Advanced Industrial Science and Technology
- ▶ Tohoku Univ.
- ▶ Kyoto Univ.
- ▶ SACL
- ▶ Institute for Molecular Science
- ▶ Gunma Univ.
- ▶ Osaka Univ.
- ▶ SPring-8
- ▶ National Institute for Materials Science
- ▶ Tsukuba Univ.
- ▶ Okayama Univ.
- ▶ Japan Atomic Energy Agency
- ▶ Nara Institute of Science and Technology
- ▶ Tokyo Univ.
- ▶ Hiroshima Univ.
- ▶ National Institute of Radiological Sciences
- ▶ High Energy Accelerator Research Organization etc.
- ▶ Shinshu Univ.
- ▶ Kyushu Univ.

S-P Curve



* S-P curves vary by combination.

Contact

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