

# NeoDry Series

01

FEATURE

Maintenance cycle;  
**Once in 3 years!**  
(Approx. when Air/N<sub>2</sub> 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

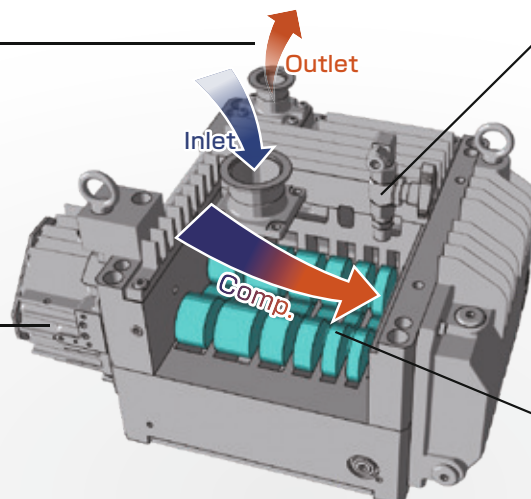
Low noise, low vibration!

## 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	NeoDry300E
Max. pumping speed [L/min]	110	250	500	600	1,000	5,000
Ultimate pressure [Pa] (Without gas ballast)	5.0	1.0				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 <sub>2</sub> available)				Standard accessory
Max allowable moisture [g/h] (With gas ballast)	120	250		350	600	
Noise [dB(A)] (Inlet closed)	≤56			≤58	≤60	≤72
Vibration [μmp-p] (Inlet closed)	≤8					
Mass [kg]	19	23	25	54	56	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	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

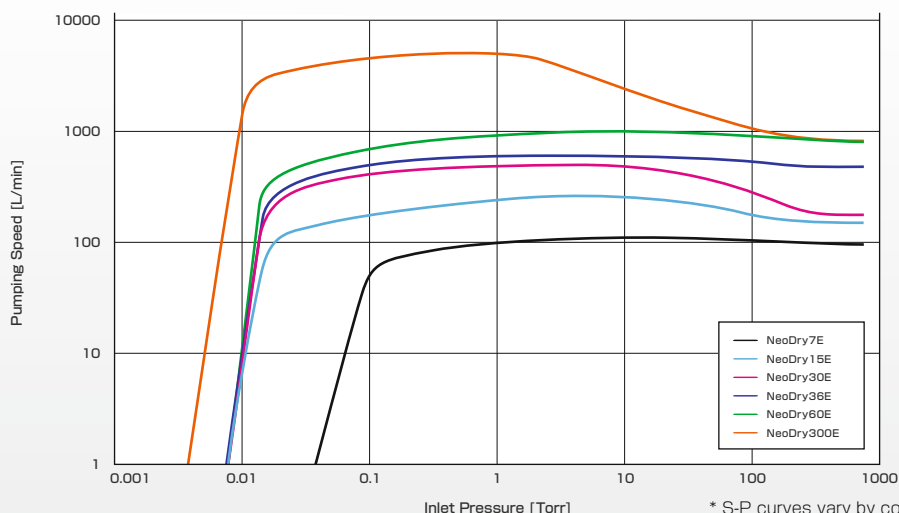
- ▶ Vacuum Drying
- ▶ Electrode Drying
- ▶ Vacuum Degassing
- ▶ Vacuum Molding
- ▶ Vacuum Packing
- ▶ Vacuum Filling
- ▶ Suction Conveyance
- ▶ Vapor Deposition
- ▶ Gas Displacement
- ▶ Electron Microscope
- ▶ Accelerator
- ▶ Mass Spectrograph
- ▶ Centrifuge
- ▶ Freeze Dryer
- ▶ Evaporator
- ▶ Backing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

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

## Our Customers

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

## S-P Curve



## Contact

### Kashiyama Industries, Ltd.

🌐 <https://www.kashiyama.com/>

Head Office

**Japan** ☎ (+81)267-67-9009  
 📠 (+81)267-67-9015  
 ✉ sales@kashiyama.co.jp

**USA** ☎ (+1)510-979-0070  
 ✉ sales@kashiyama.com

**Korea** ☎ (+82)31-678-1500

**China** ☎ (+86)21-3895-4599

**Taiwan** ☎ (+886)4-2462-9599