

NeoDry Series

01

FEATURE

Maintenance cycle;
Once in 3 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

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

06

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

07

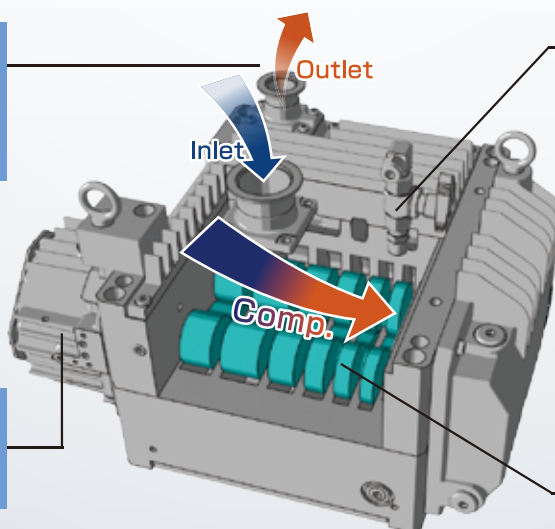
Low noise,
low vibration!

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 (N2 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]W*H*L*2	196*219*360	210*250*385	210*250*410	298*275*475	315*275*530	304*575*574

*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.

Market

- ▶ 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.

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
- ▶ SACLA
- ▶ 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.



Pumps for solvent/H₂ evacuation also lined-up.
Contact us about combination with Turbo or Mechanical booster.



Contact us

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