Handy & Air Cooled Dry Pump

NeoDry Series

Kashiyama Vacuum Solutions

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!

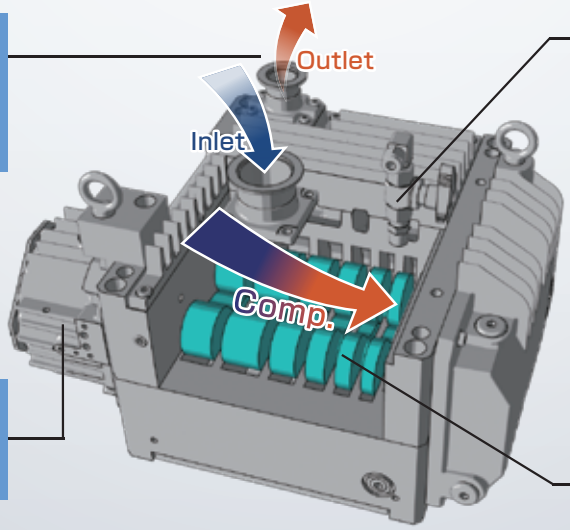
07 Low noise, low vibration!

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"

Internal Structure of NeoDry Series except NeoDry7E

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				0.5
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 Degasing
- 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.