

NeoDry Series

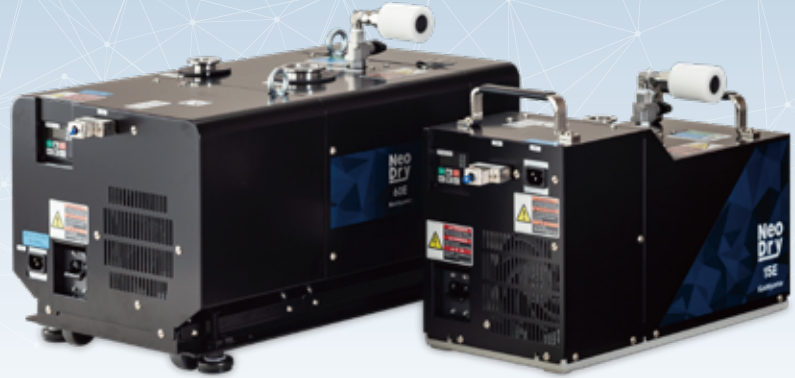
01

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

FEATURE

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

06

FEATURE

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

07

FEATURE

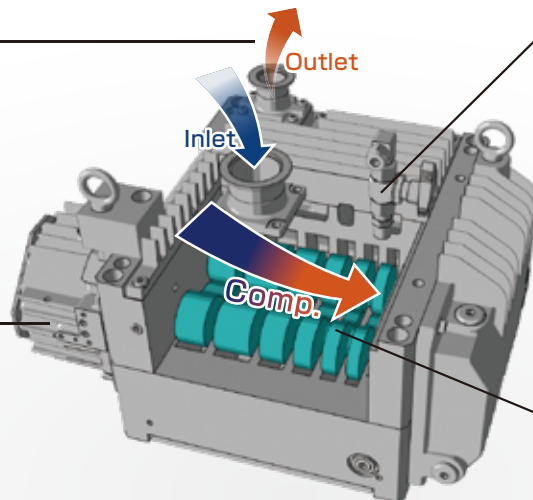
Low noise,
low vibration!

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"

Spec. / Products	NeoDry7E	NeoDry15E	NeoDry30E	NeoDry36E	NeoDry60E	NeoDry300E
Max. pumping speed	110L/min (7m ³ /h)	250L/min (15m ³ /h)	500L/min (30m ³ /h)	600L/min (36m ³ /h)	1,000L/min (60m ³ /h)	5,000L/min (300m ³ /h)
Ultimate pressure (Without gas ballast)	3.8×10 ⁻² Torr (0.05 mbar)	7.5×10 ⁻³ Torr (0.01 mbar)				2×10 ⁻³ Torr (0.003 mbar)
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					
Power Connector *2	IEC 60320-C14					Contact us
Max allowable moisture [g/h] (With gas ballast)	120	250	350	600		
Noise [dB(A)] (Inlet closed) *3	≤56		≤58	≤60	≤72	
Vibration [μmp-p] (Inlet closed)	≤8					
Weight [kg]	19	23	25	54	56	125
Inlet size	NW25		NW40			NW50
Outlet size	NW25					
Dimensions [mm] W×H×L *4	196×219×360	210×250×385	210×250×410	298×275×475	315×275×530	304×575×574
Safety standard	CE Marking, NRTL(UL 61010-1, CAN/CSA C22.2 No.61010-1)					

*1) Contact us for other voltage options. *2) Please contact us for other connectors.

*3) This is based on JIS standard, please contact us about some date based on ISO. *4) Package size.

* Spec. & name of products are subject to change without prior notice.

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.

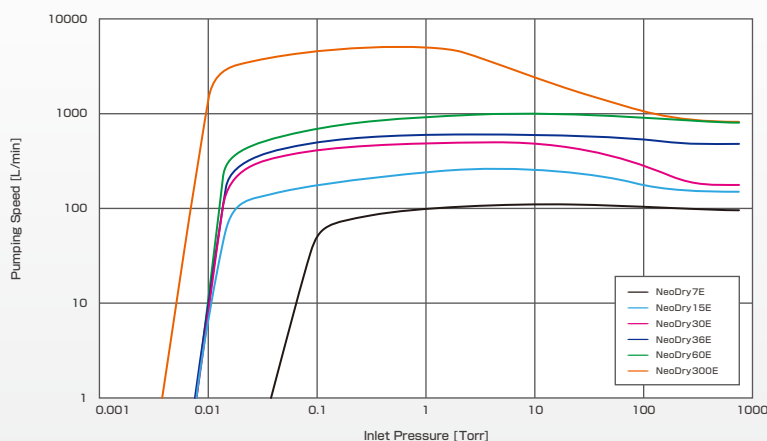


**Pumps for solvent/H₂ evacuation also lined-up.
Contact us about combination with Turbo or Mechanical booster.**

Our Customers

- ▶ J-PARC
- ▶ National Institute of Radiological Sciences
- ▶ Institute for Molecular Science
- ▶ Nara Institute of Science and Technology
- ▶ SACL
- ▶ National Institute of Advanced Industrial Science and Technology
- ▶ National Institute for Materials Science
- ▶ High Energy Accelerator Research Organization etc.
- ▶ SPring-8
- ▶ Japan Atomic Energy Agency

S-P Curve



Contact us

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*Our company's address has been changed since July 2018. Please be careful.

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