Handy & Air Cooled Dry Pump

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"

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

No cooling water: "Air cooled"

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

Internal Structure of NeoDry Series except NeoDry7E
## Major Products

<table>
<thead>
<tr>
<th>Spec. / Products</th>
<th>NeoDry7E</th>
<th>NeoDry15E</th>
<th>NeoDry30E</th>
<th>NeoDry36E</th>
<th>NeoDry60E</th>
<th>NeoDry300E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. pumping speed [L/min]</td>
<td>110</td>
<td>250</td>
<td>500</td>
<td>600</td>
<td>1,000</td>
<td>5,000</td>
</tr>
<tr>
<td>Ultimate pressure [Pa] (Without gas ballast)</td>
<td>5.0</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
<td>0.3</td>
<td>0.3</td>
</tr>
<tr>
<td>Supply voltage (50/60Hz)</td>
<td>Single Phase, AC100 ~ 120V</td>
<td>Single Phase, AC100 ~ 120V</td>
<td>Single Phase, AC200 ~ 240V</td>
<td>Single Phase, AC200 ~ 240V</td>
<td>Single Phase, AC200 ~ 240V</td>
<td></td>
</tr>
<tr>
<td>Gas ballast mechanism</td>
<td>Standard accessory</td>
<td>Optional (Not available)</td>
<td>Standard accessory</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max allowable moisture [g/h] (With gas ballast)</td>
<td>120</td>
<td>250</td>
<td>350</td>
<td>600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noise [dB(A)] (Inlet closed)</td>
<td>≤58</td>
<td>≤58</td>
<td>≤60</td>
<td>≤72</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vibration [μm-p] (Inlet closed)</td>
<td>≤8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mass [kg]</td>
<td>19</td>
<td>23</td>
<td>25</td>
<td>54</td>
<td>56</td>
<td>125</td>
</tr>
<tr>
<td>Inlet size</td>
<td>NW25</td>
<td>NW40</td>
<td>NW50</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outlet size</td>
<td>NW25</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions [mm] L×W×H</td>
<td>360×196×219</td>
<td>385×210×250</td>
<td>410×210×250</td>
<td>475×298×275</td>
<td>530×315×275</td>
<td>574×304×575</td>
</tr>
</tbody>
</table>

*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.

## Our Customers

- Hokkaido Univ.
- Nagoya Univ.
- J-PARC
- National Institute of Advanced Industrial Science and Technology
- Tohoku Univ.
- Kyotouniv.
- SACLA
- 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
- Shinshu Univ.
- Kyushu Univ.

## S-P Curve

![S-P Curve](image)

* S-P curves vary by combination.

## Contact

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