



NOVADRY NDi System

With integrated VAControl CAB
for intelligent central vacuum



Smart systems with integrated VAControl CAB!



Easy maintenance:

- Easy access to all pumps and parts at one place
- Easy belt access, no enclosure for quick maintenance
- Intelligent service and maintenance alerts



Smart control:

- Intelligent software functions
- One controller to manage all processes



Energy efficient:

- Automatic control of target pressure
- No overperforming, no energy waste



100% oil free:

- Clean exhaust
- No product contamination
- No oil changes or oil filter changes for low maintenance



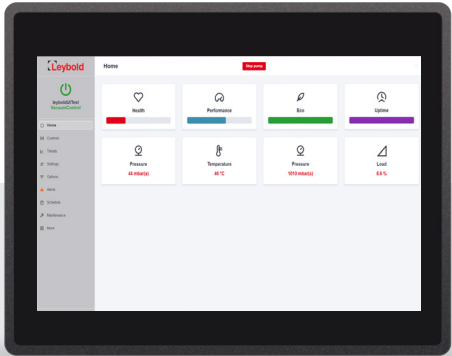
Robust dry screw:

- High performance at any working pressure
- Optimal vapor handling
- Gas ballast & self draining design



Plug & Pump for highest convenience:

- Air-cooled for easy installation
- Fully assembled
- All components and software included



NOVADRY NDi Systems:

- ND 400i with 400 m³/h pumping speed
- ND 600i with 600 m³/h pumping speed
- Strong performance down to 5 mbar working pressure
- Reduced footprint combined with smart functions
- Intelligent pressure adjustment and control of target pressure

Smart control with VAControl CAB:

- Standardized products - ready-to-order!
- Intelligent pump systems with VAControl CAB
- One controller to manage all processes
- Pump data available from anywhere:
 - Local, remote or cloud connectivity
 - Data recording for best production quality
- Maintenance and service alerts for higher uptime
- Functions to enhance user experience:
 - Starts / Stops of multiple pumps
 - Pressure control
 - Cloud communication via GENIUS
- Direct control via various devices

...go digital today!



Smart central vacuum system

Your unique benefits:

- 100% clean and hygienic vacuum
- Robustness at any working pressure
- Easy handling for highest convenience
- Low energy consumption to fulfill sustainability goals

Create more value with intelligent software functions:

- Vacuum on demand:
 - Save on energy
 - Increased pump maintenance cycles & lifetime
- Event creation for optimized production planning
- Maintenance and service alerts
- User accounts with different authorization levels

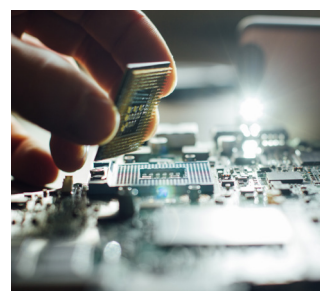
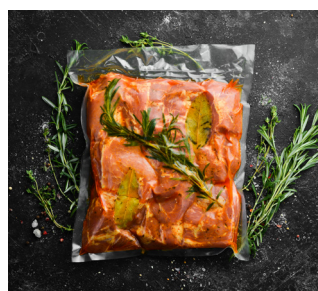
...flexible software for customer specific upgrades!



Features & applications

Target applications for NDi:

- CVS for applications with 10 - 100 mbar working pressure
- Typical central vacuum systems in:
 - Food & Packaging
 - Medical institutions
 - R&D institutions
 - Composite producers
 - Electronic component producers
- Pick & place applications in various markets



Technical data

| | | ND 400i | ND 600i |
|--|------|-------------------------|-------------------|
| Maximum pumping speed (w/o gas ballast) | m³/h | 400 | 600 |
| Ultimate pressure w/o gas ballast | mbar | 5 | |
| Max. permissible outlet pressure (rel. to ambient) | mbar | 200 | |
| Max. permissible inlet pressure | mbar | 1200 | |
| Water vapor tolerance with gas ballast | mbar | 60 | |
| Water vapor capacity with gas ballast | kg/h | 13,8 | 20,7 |
| Permissible ambient temperature | °C | 0 to +40 | |
| Nominal motor power 50Hz / 60Hz | kW | 9 | 13 |
| Weight, approx. | kg | 692 | 997 |
| Dimensions (L x W x H) | mm | 1410 x 925 x 1503 x 880 | 1410 x 925 x 1979 |
| Inlet / outlet connection | | DN80 / DN80 | |

Versions

| | |
|-------------|--------------------------|
| 111400NDi01 | ND 400i, 50 Hz, 200/400V |
| 111400NDi02 | ND 400i, 60 Hz, 230/460V |
| 111400NDi03 | ND 400i, 60 Hz, 200/380V |
| 111600NDi01 | ND 600i, 50 Hz, 200/400V |
| 111600NDi02 | ND 600i, 60 Hz, 230/460V |
| 111600NDi03 | ND 600i, 60 Hz, 200/380V |



Pioneering products. Passionately applied.