



# 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



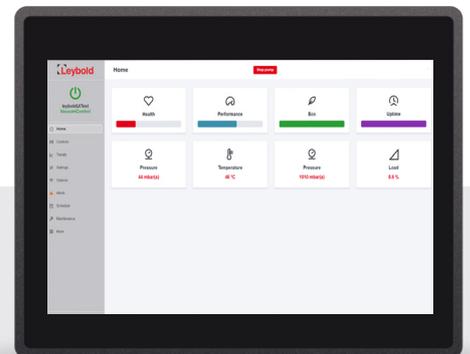
## Robust dry screw:

- 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 m<sup>3</sup>/h pumping speed
- ND 600i with 600 m<sup>3</sup>/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

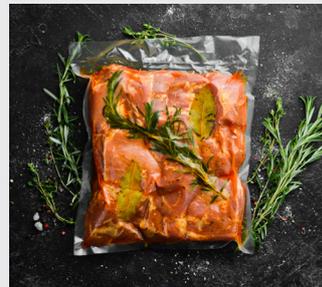
**...flexible software for customer specific upgrades!**



## Features & applications

### Target applications for NDi:

- CVS for applications with 10 - 100 mbar working pressure
- Typical central vacuum systems in 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)	m <sup>3</sup> /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 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