

## NOVADRY



NOVADRY ND 65



The NOVADRY sets new standards for the food packaging and processing applications.

It is the only 100% oil free and air cooled vacuum pump on the market. Its noise level is also incredibly low.

Maintenance and service requirement are reduced to the minimum.

Its design already incorporates hygienic design rules, not allowing accumulations of liquids. Full process room wash-down capability can be reached with the optional stainless enclosures.

### Our Solution

- Dry screw technology
- Air cooled
- Sizes 65, 100, 160 and 200 m<sup>3</sup>/h

### Typical Applications

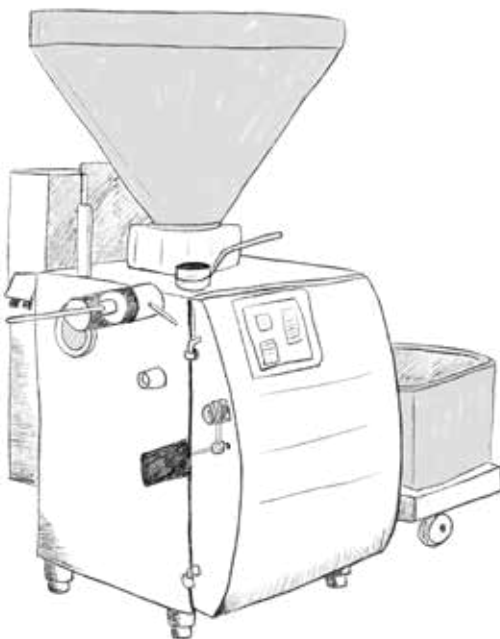
- Thermoforming
- Chamber packaging
- Tray sealing
- Skin packaging
- Tumbling / mixing
- Stuffing filling

### Customer Benefits

- Maximum food safety (no oil leakage nor oil mist at exhaust)
- Highest uptime and performance
- Low total cost of ownership by most robust design
- Simple installation and operation
- Comfort of use for the operators: low and comfortable noise thanks to optimized rotor design and integrated silencer
- Suited to handle Oxygen (> 21%) in MAP applications

### Options

- Stainless steel hygienic enclosures for full wash-down capability



Link to the principle of operation video



Screw drive by a pulley system - single belt for 100% clean vacuum generation

# NOVADRY

## Technical Data

		NOVADRY			
		ND 65	ND 100	ND 160	ND 200
Nominal speed without gas ballast <sup>1)</sup>	m <sup>3</sup> x h <sup>-1</sup>	63	96	138	175
Ultimate pressure without gas ballast <sup>1)</sup>	mbar	0.1	0.1	0.1	0.1
Water vapor tolerance with gas ballast	mbar	60	60	60	60
Water vapor capacity with gas ballast	kg x h <sup>-1</sup>	1.9	2.9	5.2	6.9
Permissible ambient temperature	°C	0 to 40	0 to 40	0 to 40	0 to 40
Cooling		Air	Air	Air	Air
Mains voltage					
50 Hz versions	V	400 or 200, ±10%	400 or 200, ±10%	400 or 200, ±10%	400 or 200, ±10%
60 Hz versions	V	460 or 230, ±10% 200/380, ±10%	460 or 230, ±10% 200/380, ±10%	460 or 230, ±10% 200/380, ±10%	460 or 230, ±10% 200/380, ±10%
Max. power consumption	W	1500	2200	3000	4000
Permissible motor speed <sup>2)</sup>	Hz	50/60	50/60	50/60	50/60
Protection class EN 60529	IP	55	55	55	55
Noise level with integrated silencer at ultimate pressure <sup>3)</sup>	dB(A)	67	70	70	73
Connections					
Intake side	DN	G 2"	G 2"	G 2"	G 2"
Pressure side	DN	G 1 1/2"	G 1 1/2"	G 1 1/2"	G 1 1/2"
Weight, approx.	kg	85	95	105	115
Dimensions (W x H x D)	mm	488 x 315 x 644	488 x 315 x 736	488 x 315 x 889	488 x 315 x 889

<sup>1)</sup> To DIN 28 400 ff.

<sup>2)</sup> Depending on version 50 Hz or 60 Hz. Please refer to the pump nameplate.

<sup>3)</sup> To DIN EN ISO 2151

## Ordering Information

		NOVADRY			
		ND 65	ND 100	ND 160	ND 200
		Part No.	Part No.	Part No.	Part No.
NOVADRY dry screw pump with 3 phase motor					
400V+/-10% or 200V+/-10%, 50 Hz		<b>111065N10</b>	<b>111100N10</b>	<b>111160N10</b>	<b>111200N10</b>
460V+/-10% or 230V+/-10%, 60 Hz		<b>111065N11</b>	<b>111100N11</b>	<b>111160N11</b>	<b>111200N11</b>
380V+/-10% or 200V+/-10%, 60 Hz		<b>111065N21</b>	<b>111100N21</b>	<b>111160N21</b>	<b>111200N21</b>
Outlet adaptor G1"1/2		<b>111005A32</b>	<b>111005A32</b>	<b>111005A32</b>	<b>111005A32</b>
Hygienic enclosures NOVADRY		<b>HygEn001</b>	<b>HygEn001</b>	<b>HygEn001</b>	<b>HygEn001</b>