



# The Only Self-Contained Nitrogen Dryer

The patented NITROdry™ resin dryer provides processors with a new, oxygen-free tool to avoid degradation of nylons, PBT, PLA and TPU's that is the result of prolonged exposure to heat in the presence of oxygen.

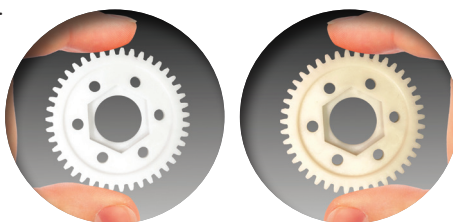
Now the most popular small dryer on the market is available in a new, self-contained, oxygen-free version that is ideal for press-side drying of newly designed polymers with unique properties. These materials can suffer degradation of performance with respect to strength, ductility, color (opaqueness), viscosity, chemical resistance, stiffness and stability due to extended exposure to heat and oxygen.



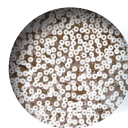
NDN-25 Nitrogen NovaDrier™

- › **Totally Self-Contained**  
Eliminates hassle of handling tanks of nitrogen.
- › **Internally Generated Nitrogen**  
Our membrane removes moisture and oxygen from the compressed air stream.
- › **-75° F Dew Point Nitrogen**  
Displaces oxygen and circulates through the hopper to dry resin safely.
- › **Safe for All Polymers**  
Designed for use with oxygen-sensitive resins, but safe for use with all materials.

- › **No Danger From Nitrogen Release**  
Nitrogen is only produced at the rate that it is needed and is released in a slightly oxygen-rich vent stream.
- › **10-50° F Higher Drying Temperatures**  
Higher drying temperatures possible to reduce exposure time.
- › **5-Year Warranty**  
For the lowest total cost of ownership.



Stop putting up with degraded parts due to an oxygenated drying process!



Membrane Filaments Remove H<sub>2</sub>O and O<sub>2</sub> from Compressed Air Resulting in a High Nitrogen, Low Dewpoint Drying Process.

Plus		
› Desiccant-free drying for all thermoplastics	› Standard process temperatures up to 350°F (177°C)	› Machine- or stand-mount models
› Down to -75° or lower dew point process air in less than 4 minutes	› Stainless steel hopper standard through 150 lb (68 kg) capacity	› Insulated hopper on all models
› Works with any source of compressed air... refrigerated or pre-dried air is not required	› Dew point meter	› Over-temperature indicator
	› Slide gate drainport and slide-gate discharge on all hoppers	› Low air pressure indicator
	› Microprocessor temperature controller	› Return air pellet screen
		› Lowest cost of ownership with the industry's only 5-year warranty

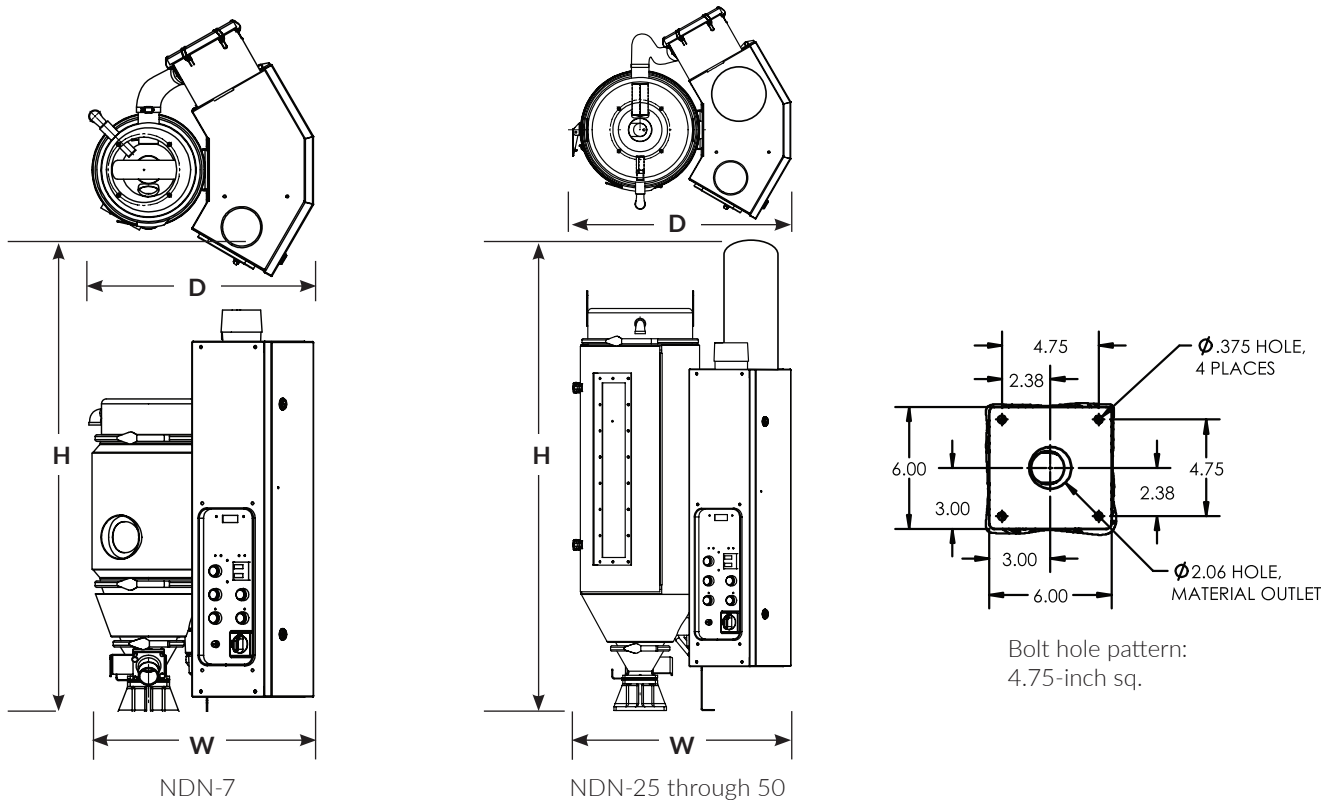
## Specifications:

Model	††Throughput Capacity		Compressed Air Flow		Electric *Demand **Usage		H		W		D		†Shipping Weight		Hopper Volume		Hopper Capacity	
	lb/hr	kg/hr	SCFM	NM <sup>3</sup> /hr	kW	kW	in	cm	in	cm	in	cm	lb	kg	ft <sup>3</sup>	liters	lb	kg
NDN-7	7	3.2	6.0	10.2	1.8	0.21	37	94	21	53	26	66	235	107	0.5	14	20	9
NDN-25	25	11.3	11.0	18.7	1.8	0.46	54	137	24	61	25	64	324	147	1.85	52	60	27
NDN-50	50	22.7	22.0	37.4	6.1	1.0	59	150	28	71	31	78	370	168	4.2	120	150	68

Standard Voltage:

115/1/50-60 on NDN-7 & NDN-25 • 460/3/60 on NDN-50.

\*Total connected load. \*\*Usage at 180° F (82° C). † Without stand. †† Throughput based on polycarbonate pellets at 38 lb/ft<sup>3</sup>.



## OPTIONS

- › **7-Day Timer:** Available on all models
- › **Short Run Diffuser Tube:** Available on NDN-25 through NDN-50
- › **Alternate Voltage:**  
220/1/50-60 for NDN-7 through NDN-50 (No Charge)  
415/3/50 for NDN-25 through NDN-50 (No Charge)  
575/1/60 for NDN-25 through NDN-50

## ACCESSORIES

- › **Hopper Extension:** For NDN-25 through NDN-50
- › **Floor Stand:** For NDN-25 through NDN-50
- › **Casters, 5-inch, set of 4**
- › **Vacuum Take-off Box & Vacuum Purge Valve:**  
Request information
- › **Open access stand facilitates unloading of resin**



Stand:  
FS-ND-1



Casters: (set of 4)  
ashm13