

NOMADII SERIES

Portable Drying System



Technical Specifications

The Nomad II Portable Drying System provides users the ability to dry and convey resins in a single, portable, compact unit. Available in one of three configurations, operators can automatically convey material to the drying hopper, to the process machine, or both the hopper and the process machine. All of this is possible by integrating the conveying controls with the dryer which means that no additions or expansions to existing conveying systems are required when adding the Nomad II. In addition, when equipped with an optional RPV proportioning valve, two materials (typically virgin and regrind) can be automatically conveyed to the drying hopper, eliminating the need to mix the two prior to drying.

Features

Standard Features

- 7-day timer with autostart
- High temperature and high dew point alarms
- Dirty filter indicator
- Drying temperatures up to 250°F (121°C)
- AP1 Touch Screen control interface provides status of drying and conveying functions.
- Simple start-up, shutdown, and change of drying and conveying parameters
- Programmable PLC controller for drying and conveying functions
- Digital dew point displays
- Material over-drying protection
- SRI01 Sight glass receiver for minimal inventory on the process machine
- Insulated drying hopper with sight glass and slide gate and clean out door (door not available on SD-0.85, WH-30, and WH-50)
- Closed loop conveying to process machine (when machine conveying option is chosen)
- Single power connection point with electrical disconnect on control cabinet

Optional Features

- Stainless steel flex hose (required when conveying materials above 250°F)
- High Temperature Operation 250°F to 400°F (121°C to 204°C)
- Lower Temperature Operation 120°F to 180°F (49°C to 82°C)
- Aftercooler
- Remote proportioning valve mounted to vacuum receiver to fill drying hopper

Dimensions

Model	Hopper Size	Width in. (cm)	Depth in. (cm)	Height in. (cm)	Weight lbs. (kg)
Nomad PD15	SD 0.85	57 (145)	36 (92)	65 (165)	400 (182)
	WH 30			387 (176)	
	WH 50			69 (175)	390 (177)
Nomad PD30	WH50			69 (175)	440 (200)
	WH75			460 (209)	
	WH100			78 (198)	465 (211)
Nomad PD60	WH150		81 (206)	490 (223)	
	WH75		40 (102)	69 (175)	510 (232)
	WH100			78 (198)	515 (234)
	WH150			81 (206)	540 (245)
	WH200			94 (239)	555 (252)
WH300	62 (157)			98 (249)	620 (282)

AP1 Controller

- Programmable controller with touch-screen interface
- Integral PID temperature control and safety for process and regeneration
- Dew point monitor
- Dirty filter indicator
- Audible and visual alarm
- Diagnostics
- Material over-drying protection (process temperature setback based on a rise in return air temperature)
- "Auto Start" timer
- Quick disconnect receptacles for interface of conveying components

Specifications

Model	Hopper Size	Dryer Process AirFlow		Insulated Drying Hopper Size		FLA (@460/3/60)
		cfm (M3/hr)		cu ft. (lt)	Lbs. (kgs)	2 conveying blowers
Nomad PD15	SD 0.85	15 (25)		0.85 (24.1)	55 (25)	12.7
	WH 30			1.1 (30)	38 (11.5)	
	WH 50			1.8 (50)	65 (30)	
Nomad PD30	WH50	30 (50)		1.8 (50)	65 (30)	13.8
	WH75			2.6 (75)	90 (40)	
	WH100			3.5 (100)	122 (55)	
	WH150			5.3 (150)	185 (84)	
Nomad PD60	WH75	60 (100)		2.6 (75)	90 (40)	22.2
	WH100			3.5 (100)	122 (55)	
	WH150			5.3 (150)	185 (84)	
	WH200			7.1 (200)	250 (113)	
	WH300			10.6 (300)	370 (168)	

Conveying Packages Features

A	Machine Loading Control - Closed Loop Dry Air Conveying to Process Machine SRI Series Stainless Steel Sight Glass Receiver for Machine
B	Drying Hopper Loading - Conveying system fills the drying hopper instead of process machine Includes SRC02 material receiver hose pick up wand
C	Machine & Drying Hopper Loading - Convey to Drying Hopper and Machine
D	2 Machines & Drying Hopper Loading - Self Contained System load drying hopper and two machines
BP	Drying Hopper Loading with Proportioning Valve - Loading drying hopper from two different sources
CP	Drying Hopper Loading with Proportioning Valve -Same as BP, will convey to one machine
DP	Drying hopper Loading with Proportioning Valve - Same as BP, will convey to two machines