



# WHITLOCK-MATERIAL HANDLING

## NOMAD II PD SERIES PORTABLE DRYING SYSTEM (15-60 CFM)



### PD Series Portable Drying and Conveying System

### OPTIONS

- Ethernet communication module

### STANDARD FEATURES

- Nomad II PD Series systems include an AD Series dryer with the AP1 control system, a drying hopper, and an integral dry air conveying system to the drying hopper and/or process machine(s)
- Mounted on a portable cart for maximum flexibility
- Sight glass material receiver supplied for minimal inventory on the process machine
- Insulated stainless steel drying hopper (1.7 cu. ft. [50 liter] access door is optional) with slide gate (access door on hopper 3.0 cu. ft. [85 liter] and larger is standard)
- Single power connection point for system

### AP1 CONTROL SYSTEM FEATURES

- Touch-screen control interface provides clear information about desiccant bed regeneration, process temperature, dewpoint and material loading system
- Allows simple start-up, shut-down, and adjustment of drying and conveying parameters
- "Off-the-shelf" programmable controller regulates the drying and conveying functions of the complete system
- Integral PID temperature control with display of setpoint and actual process and regeneration temperature
- Display of actual dewpoint and alarm settings
- Alarm indication includes high temperature conditions, high dewpoint, and dirty filters
- Material overdrying protection



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### SYSTEM "A": MACHINE LOADING

- Machine loading control
- Closed-loop dry air conveying to process machine
- SRI Series stainless steel sight glass receiver for machine

### SYSTEM "B": DRYING HOPPER LOADING

- Conveying system fills the drying hopper instead of the process machine
- Includes SRC02 material receiver with hose and pick-up wand; 1.5" FCO open loop standard take-off on hopper discharge

### SYSTEM "C": MACHINE & DRYING HOPPER LOADING

- Uses all of the above features to convey to both the drying hopper and the machine

### SYSTEM "D": 2 MACHINES & DRYING HOPPER LOADING

- Self-contained system to load drying hopper and two machines

### SYSTEM "BP": DRYING HOPPER LOADING WITH PROPORTIONING VALVE

- Loading drying hopper from 2 different sources using a proportioning valve

### SYSTEM "CP": MACHINE & DRYING HOPPER LOADING WITH PROPORTIONING VALVE

- Uses the features of System "BP," and will convey to one machine

### SYSTEM "DP": MACHINES & DRYING HOPPER LOADING WITH PROPORTIONING VALVE

- Uses the features of System "BP," and will convey to two machines using a proportioning valve

### ADDITIONAL FEATURES



All units feature integral conveying systems that convey on demand while providing closed-loop drying.



A remote proportioning valve is available for the drying hopper.



The off-the-shelf touch-screen controller provides independent operation of dryer and conveying control circuits.

Model	Dryer process air flow		Temperature Range*		Insulated Drying Hopper Capacity			
	cfm	m <sup>3</sup> /hr	°F	°C	cu. ft.	liters	lbs.	kg
AD15/0.85	15	25	180-300	71-149	0.85	25	30	14
AD15/1.7	15	25			1.7	50	60	27
AD30/1.7	30	50			1.7	50	60	27
AD30/3.0	30	50			3.0	85	100	45
AD30/4.0	30	50			4.0	110	150	68
AD60/3.0	60	100			3.0	85	100	45
AD60/4.0	60	100			4.0	110	150	68
AD60/6.0	60	100			6.0	170	200	90
AD60/9.0	60	100			9.0	255	300	135

\* High temperature package available for up to 400°F (205°C)



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