



PORTABLE DRYING/ CONVEYING SYSTEMS

15-60 CFM PORTABLE DRYING/CONVEYING SYSTEMS

Sterling's 15-60 CFM portable drying and conveying systems combine the advanced features and reliability of Sterling SDAA dryers with an integral conveying system for simple and fast loading of your process machine and the SDAP dryer hopper. The entire system is mounted on a rugged, portable cart.

Features

- SDAP Series systems include a SDAA 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

Options

- Ethernet communication module

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



SDAP SERIES



Model	Dryer process air flow		Temperature Range*		Insulated Drying Hopper Capacity			
			°F	°C				
SDAP15/0.85	15	25	180-300	71-149	0.85	25	30	14
SDAP15/1.7	15	25			1.7	50	60	27
SDAP30/1.7	30	50			1.7	50	60	27
SDAP30/3.0	30	50			3.0	85	100	45
SDAP30/4.0	30	50			4.0	110	150	68
SDAP60/3.0	60	100			3.0	85	100	45
SDAP60/4.0	60	100			4.0	110	150	68
SDAP60/6.0	60	100			6.0	170	200	90
SDAP60/9.0	60	100			9.0	255	300	135

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

System Descriptions

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.



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