SDAP SERIES
Portable Drying System

Technical Specifications

The SDAP 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 SDAP. In addition, when equipped with an optional RPV proportioning valve, two materials (typically virgin and regrind) can be automatically be conveyed to the drying hopper, eliminating the need to mix the two prior to drying.

Features

Standard Features

- Drying temperatures up to 400°F (204°C)
- Integrated control interface provides status of drying and conveying functions. Also allows simple start-up, shutdown, and change of drying and conveying parameters
- Programmable PLC controller controls drying and conveying functions
- PID temperature controller provides LED readout of set point and actual process temperature• Digital dew point indicator displays "actual dew point" and "high dew point" alarm settings
- Integral dryer and hopper assembly with heavy duty casters
- Sightglass material receiver for minimal inventory on the process machine
- Stainless Steel drying hoppers with clean out door
- Insulated drying hopper with sight glass and slide gate
- 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 250ºF)
- Dirty filter indicator
- Aftercooler
- 7-day timer
- High temperature and high dewpoint alarms
- Remote proportioning valve mounted to vacuum receiver to fill drying hopper
- SSRL and SSLC hopper loader to fill drying hopper
- SSRL control mounting bracket

ACS GROUP

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Dimensions

Model	Width in (cm)	Depth in. (cm)	Height in (cm)	Weight lbs. (kg)
SDAP-2A	64 (163)	28 (71)	81 (206)	650 (295)
SDAP-2C			87 (221)	725 (329)
SDAP-2B	67 (170)	36 (91)	101 (257)	925 (420)
SDAP-4A	78 (198)			1250 (567)
SDAP-4B			121 (307)	1425 (646)
SDAP-4C			115 (292)	1775 (805)

Configurations	
Level A - Machine Loading Only	Machine loader convey station CLosed -loop dry air conveying to process SRI Series Stainless steel sightglass receiver
Level B - Drying Hopper Loading Only	Drying hopper loader fills the drying hopper Includes SRC02 material receiver with hose and pick up wand FCO open loop standard take-off on discharge of drying hopper
Level C - Machine Loading and Dryer Hopper Loading	Machine loader convey station with closed loop dry air convey and SRI Sight glass vacuum reciever Drying hopper loader with SRC02 material vacuum receiver and pick up wand with hose

SDAP Series Control

- PLC control of drying and conveying functions
- Independent operation of dryer and conveying control circuits
- 1/16 DIN temperature controller with LED readout of process air actual and set point temperature
- Digital dewpoint indication
- Indicator lights and display provide status of desiccant bed regeneration heaters, process and regeneration blowers, and material loading system

- Alarm indication includes: high temperature process air, high temperature regeneration air, and high dewpoint (dirty filter alarm optional)
- Switch on dewpoint operation
- Dryer process auto shutdown sequence

Specifications

Model	Dryer Process Air Flow		Amp Draw	Voltage	Insulated Drying Hopper Size			
	cfm	m3/hr			cu. ft.	liters	lbs.	kg
SDAP-2A	90	150	24	460/3/60	5.3	150	190	86
SDAP-2C					7.1	200	250	114
SDAP-2B					10.6	300	320	168
SDAP-4A	150	250	38					
SDAP-4B					14.1	400	500	227
SDAP-4C	225	380	48		23.6	600	825	375