

AIRPREP DELIQUESCENT AIR DRYER



DESCRIPTION

Behind insufficient air supply, moisture is the second largest enemy to blasting productivity. Wet air causes flash rusting, clogs blast pots with damp abrasives, damages control valves and reduces blasting productivity.

Blasting operations that simply add a Schmidt® AirPrep System have documented increased production of 12 to 15%.

Schmidt AirPrep Systems stand alone in the industry: they are manufactured to provide the highest levels of air treating capability with extremely low pressure drop.

APPLICATIONS

In the Air Dryer System (ADS), the air rises through a bed of marbles and into deliquescent/dessicant tablets inside the tank before the air exits the vessel. Approximately 50% of residual moisture is removed (after cooling). Removed moisture is collected in the bottom of the separator tank. An after-filter removes particulates that may have become airborne, then used in the abrasive blasting operation

FEATURES AND BENEFITS

- High performance systems
- Maximum performance systems for maximum air treatment
- Ideal for high humidity environments or when moisture removal is critical
- Multistep filtration: inlet filter captures debris, outlet filter screens errant small particles
- Built to last—hot-dipped galvanized to prevent internal rusting

PART NUMBERS

AC SD250	AirPrep 250 cfm Deliquescent Air Dryer
AC SD400	AirPrep 400 cfm Deliquescent Air Dryer
AC SD750	AirPrep 750 cfm Deliquescent Air Dryer
AC SD950	AirPrep 950 cfm Deliquescent Air Dryer
AC SD1200	AirPrep 1200 cfm Deliquescent Air Dryer
AC SD1600	AirPrep 1600 cfm Deliquescent Air Dryer

SPECIFICATIONS

Maximum Working Pressure	150 psig at 250 °F (10.3 bar at 121 °C)
Minimum Operating Temperature	35 °F at 150 psig (1.7 °C at 10.3 bar)
Moisture Removal (ADS)	Deliquescent tablets (not included) with glass marble bed

SPECIFICATIONS

Model (CFM)	Inlets/Outlets (NPT) (x) = No. of outlets	Dimensions L x W x H IN (CM) <small>(*±Electric motor adds 5"/6" [13 cm/15 cm] H)</small>	Weight LBS (KG)
AC SD250	2" / (1) 2"	35 x 24 x 52* [89 x 61 x 132*]	398 (148)
AC SD400	8.5/6.0 (240/170)	49 x 30 x 68* [124 x 76 x 173*]	848 (316)
AC SD750	2" / (1) 2", (2) 1"	57 x 30 x 82* [145 x 76 x 208*]	965 (360)
AC SD950	3" / (1) 3", (2) 1"	68 x 35 x 92* [173 x 89 x 234*]	1489 (556)
AC SD1200	3" / (1) 3", (2) 1"	72 x 35 x 92* [183 x 89 x 234*]	1524 (570)
AC SD1600	3" / (1) 3", (2) 1"	76 x 37 x 95* [193 x 94 x 241*]	2055 (767)

ACCESSORIES

SPECIFICATIONS

AC SDR50	Deliquescent in 50 lbs Bag
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REPLACEMENT
DELIQUESCENT BEADS TO
RECHARGE DRYER