

AirPrep Systems

Proven to boost productivity, reduce rusting, prevent clogged blast pots, keep abrasives free-flowing

Distributed By:

Metal Finishing Supply Co., Inc.

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A product of Axxiom Manufacturing, Inc.

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. Available in your choice of aftercoolers or air dryers.

AirPrep Systems Feature:

- Compact, vertical air flow design to improve efficiency
- Pneumatic fan motor. Includes filter, regulator, lubricator and muffler (electric fan available)
- Protective bar grating
- Portable or stationary units
- Easy transport. Skid mounted (excludes portable options) with forklift pockets and full load lifting eyes

Aftercoolers

- High performance systems
- Inlet prefilter removes oil, debris and contaminants

Air Dryers

- 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



750 CFM Air Dryer (ADS)



800-231-2085 SchmidtAbrasiveBlasting.com

About the AirPrep Systems

AirPrep Systems are designed to cool and dry compressed air used in abrasive blasting equipment. Compressed air enters a pre-filter that removes contaminants and condensed moisture. The air then travels through a fan-cooled radiator, where it is cooled to cause moisture to condense. The cooled air and water droplets flow into a separator tank, where the air expands and causes further condensation. The spinning movement of the air stream separates out the condensed moisture.

In the Aftercooler System (ACS), the air rises through a stainless steel particulate filter that attracts condensed moisture. Removed moisture is collected in the bottom of the separator tank. The dryer, cooler air then exits the tank for use in the abrasive blasting operation.

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.

AirPrep 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 (ACS):	Stainless steel coalescent filter
Moisture Removal (ADS):	Deliquescent tablets (not included) with glass marble bed

MODEL (CFM)	VOLUME/AIR DRYER DELIQUESCENT STORAGE – CU FT (L)	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)
ACS 250P	2.7 (77)	2" / (1) 2", (2) 1 1/2"	35 x 24 x 54* (89 x 61 x 137*)	370 (138)
ACS 400P	2.7 (77)	2" / (1) 2", (2) 1 1/2"	35 x 24 x 58* (89 x 61 x 147*)	432 (161)
ACS 400	8.7 (244)	2" / (1) 2", (2) 1 1/2", (4) 1"	49 x 30 x 67* (124 x 76 x 170*)	711 (265)
ACS 750	10.0 (283)	2" / (1) 2", (2) 1 1/2", (4) 1"	57 x 30 x 73* (145 x 76 x 185*)	793 (296)
ACS 950	10.2 (289)	3" / (1) 3", (2) 2", (4) 1"	68 x 35 x 85* (173 x 89 x 216*)	1220 (455)
ACS 1200	10.2 (289)	3" / (1) 3", (2) 2", (4) 1"	72 x 35 x 85* (183 x 89 x 216*)	1286 (480)
ACS 1600	10.2 (634)	3" / (1) 3", (2) 2", (4) 1"	74 x 37 x 85* (188 x 94 x 216*)	1572 (587)
ACS 2000	37.0 (1048)	4" / (1) 4", (2) 2", (2) 1"	80 x 40 x 98* (203 x 102 x 249*)	2105 (957)
ACS 2500	37.0 (1048)	4" / (1) 4", (2) 2", (2) 1"	116 x 49 x 80* (295 x 124 x 203*)	2365 (1075)
ADS 250P	2.7/1.5 (77/42)	2" / (1) 2"	35 x 24 x 52* (89 x 61 x 132*)	398 (148)
ADS 400P	2.7/1.5 (77/42)	2" / (1) 2"	35 x 24 x 58* (89 x 61 x 147*)	424 (158)
ADS 400	8.5/6.0 (240/170)	2" / (1) 2", (2) 1"	49 x 30 x 68* (124 x 76 x 173*)	848 (316)
ADS 750	11.7/8.0 (332/226)	2" / (1) 2", (2) 1"	57 x 30 x 82* (145 x 76 x 208*)	965 (360)
ADS 950	11.7/8.0 (332/226)	3" / (1) 3", (2) 1"	68 x 35 x 92* (173 x 89 x 234*)	1489 (556)
ADS 1200	11.7/8.0 (332/226)	3" / (1) 3", (2) 1"	72 x 35 x 92* (183 x 89 x 234*)	1524 (570)
ADS 1600	19.0/17.0 (538/481)	3" / (1) 3", (2) 1"	76 x 37 x 95* (193 x 94 x 241*)	2055 (767)
ADS 2000	40. 3/20.0 (1141/566)	4" / (1) 4", (2) 1"	87 x 43 x 99+ (221 x 109 x 251+)	2600 (970)
ADS 2500	45.0/25.0 (1274/708)	4" / (1) 4", (2) 1"	116 x 49 x 80+ (295 x 124 x 203+)	3080 (1150)

Contact your local Schmidt distributor or call Axxiom at 800-231-2085 for distributor information.

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