

AS1000-S2-V120-DD Scroll Air System

System is NFPA compliant and has modular construction and interconnecting piping.

PUMP MODULE

The belt driven oil-less scroll compressors deliver pressures up to 115 psi. Each scroll module includes the compressor; motor; drive belts with belt guard; inlet filter; isolation valve; aftercooler; temperature switch and relief valve.

AIR TREATMENT MODULE

The system's air treatment module features dual desiccant dryers configured for energy savings. They purge only when needed per the dew point setting. The dew point transducer and CO transducer are integrated with the electrical panel. The module also contains prefilters, after filters, and activated carbon filters. Final line pressure regulators with gauges and relief valves are also part of the air treatment module.

AIR RECEIVER

The receiver is constructed to ASME standards and is galvanized for corrosion resistance. A source isolation valve and 3 valve bypasses are provided with the receiver module. A pressure gauge and relief valve are included, along with a sight window and electric auto drain. Mounting pads and flexible connectors are provided.

CONTROL PANEL

The UL listed electrical control panel features a high-definition color touch screen that can be set up externally without the use of toggle switches. The panel displays multiple conditions, including compressor running status, elapsed hours, pressure level, and audio/visual alarms.

Standard features include lag alarm, automatic compressor alternation, adjustable minimum run timer, adjustable pressure settings, adjustable screen brightness, alarm history registry, and data logging. The panel has standard dry contacts and Modbus interface with building management systems. Ethernet and BACnet are available as options. The panel's maintenance menu includes service items and maintenance warnings, and it is programmed for both English and Spanish languages.

Configuration	Duplex Stack Mount
System Capacity*	34.3 SCFM @ 50 psi 60 Hz. 28.6 SCFM @ 50 psi 50 Hz.
Horsepower (Each Pump)	10 HP
Horsepower (Total System)	20 HP
Available Voltage	208/230/460V 3 PH 60 Hz. 380V 3 PH 50 Hz. Contact Factory for other voltages
Full Load Amps 3 PH	208 Volts: 65.8 230 Volts: 59.8 380 Volts: 35.2 460 Volts: 30
Tank Size	120 gallon vertical
Key Options	Bacterial filters for dryer/filter skid Can be configured for lab use without lag alarm Expandable for additional compressors

Click here for compressor specifications and industry-leading parts support.



*System capacity is stated with one pump in reserve per NFPA. Capacity based on operation at sea level. For higher altitude, contact factory for adjusted capacity.

SYSTEM LISTED ARE 460V. IF ANOTHER VOLTAGE IS REQUIRED, USE THE FOLLOWING PART NUMBERS.			
VOLTAGE	SYSTEM P/N	PUMP MODULE P/N	TRIP MODULE P/N
208-60-3	AS1000-208-52-V120-DD	100-0229	214539
230-60-3	AS1000-230-52-V120-DD	100-0229	214539
380-50-3	AS1000-380-52-V120-DD	100-0229	214546

Diagram illustrating the side view of the 1000 Series Air Receiver. Key dimensions and labels include:

- Overall height: 85" APPROX.
- Overall width: 67"
- Overall width including receiver: 70"
- Receiver width: 1 1/2"
- Labels:
 - 3/4" NPT SYSTEM CONNECTION
 - 1-1/2" NPT AIR INLET CONNECTION
 - AIR RECEIVER

[illegible]

Q1	N/A	INITIAL RELEASE		DATE/STATE	FL
Q2	000000	DISCONTINUED PRODUCT		0000	NY
Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 000001 000002 000003 000004 000005 000006 000007 000008 000009 000010 000011 000012 000013 000014 000015 000016 000017 000018 000019 000020 000021 000022 000023 000024 000025 000026 000027 000028 000029 000030 000031 000032 000033 000034 000035 000036 000037 000038 000039 000040 000041 000042 000043 000044 000045 000046 000047 000048 000049 000050 000051 000052 000053 000054 000055 000056 000057 000058 000059 000060 000061 000062 000063 000064 000065 000066 000067 000068 000069 000070 000071 000072 000073 000074 000075 000076 000077 000078 000079 000080 000081 000082 000083 000084 000085 000086 000087 000088 000089 000090 000091 000092 000093 000094 000095 000096 000097 000098 000099 000100		Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 Q19 Q20 000101 000102 000103 000104 000105 000106 000107 000108 000109 000110 000111 000112 000113 000114 000115 000116 000117 000118 000119 000120 000121 000122 000123 000124 000125 000126 000127 000128 000129 000130 000131 000132 000133 000134 000135 000136 000137 000138 000139 000140 000141 000142 000143 000144 000145 000146 000147 000148 000149 000150 000151 000152 000153 000154 000155 000156 000157 000158 000159 000160 000161 000162 000163 000164 000165 000166 000167 000168 000169 000170 000171 000172 000173 000174 000175 000176 000177 000178 000179 000180 000181 000182 000183 000184 000185 000186 000187 000188 000189 000190 000191 000192 000193 000194 000195 000196 000197 000198 000199 000200		Q21 Q22 Q23 Q24 Q25 Q26 Q27 Q28 Q29 Q30 000201 000202 000203 000204 000205 000206 000207 000208 000209 000210 000211 000212 000213 000214 000215 000216 000217 000218 000219 000220 000221 000222 000223 000224 000225 000226 000227 000228 000229 000230 000231 000232 000233 000234 000235 000236 000237 000238 000239 000240 000241 000242 000243 000244 000245 000246 000247 000248 000249 000250 000251 000252 000253 000254 000255 000256 000257 000258 000259 000260 000261 000262 000263 000264 000265 000266 000267 000268 000269 000270 000271 000272 000273 000274 000275 000276 000277 000278 000279 000280 000281 000282 000283 000284 000285 000286 000287 000288 000289 000290 000291 000292 000293 000294 000295 000296 000297 000298 000299 000300	
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