

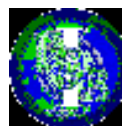
Centrifugal Oil and Water Separators

Featuring single unit welded construction:

- ASME construction
- No filters to clean or replace
- Highly efficient separation

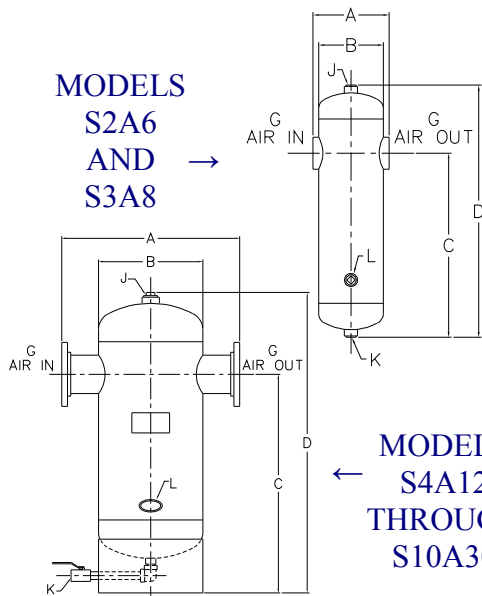


MODEL S8A24



SPECIFICATION DATA

The removal of excess oil and water droplets from any compressed air or gas system is efficiently and simply accomplished in the PSB Oil and Water Separator. A series of aerodynamically designed vanes centrifugally circulates the incoming air or gas downward and outward through stainless steel mesh screens to create a coalescing action. The resultant oil and water droplets fall to the accumulation section at the bottom of the separator for subsequent draining and the processed air or gas passed through the center of the coalescent chamber to the distribution system. For the removal of oil and water aerosols (extremely fine liquid mists), see Bulletin No. 701-SBG (Coalescing Filters).



DIMENSIONAL DATA

Model No.	DIMENSIONS IN INCHES									Maximum Working Pressure PSI
	A	B	C	D	G	J Inspection Port	K Drain	L Inspection Port		
S2A6	12 5/8	6 5/8	25 3/8	33 1/2	2 NPT	1 NPT	3/4 NPT	1 NPT	200	
S3A8	10 1/8	8 5/8	24 1/2	33 1/2	3 NPT	1 NPT	3/4 NPT	1 NPT	200	
S4A12	25 1/8	12 3/4	41 7/8	53 1/4	4 FLG	2 NPT	1 NPT	2 NPT	200	
S6A18	30 3/4	18	37 3/4	50 1/8	6 FLG	2 NPT	1 NPT	2 NPT	200	
S8A24	36 3/4	24	39 7/8	56 7/8	8 FLG	2 NPT	1 NPT	2 NPT	200	
S10A30	42 3/4	30	43 1/4	61 1/8	10 FLG	2 NPT	1 NPT	4 x 6	150	

CAPACITY AT PRESSURE TABLE

Operating Pressure PSIG	SCFM Capacity Ranges (See Paragraph Below)					
	Model No.					
	S2A6	S3A8	S4A12	S6A18	S8A24	S10A30
50	<u>32</u>	<u>48</u>	<u>123</u>	<u>543</u>	<u>1194</u>	<u>2529</u>
	<i>35 - 42</i>	<i>75 - 90</i>	<i>212 - 253</i>	<i>850 - 1020</i>	<i>1740 - 2090</i>	<i>3460 - 4140</i>
60	<u>37</u>	<u>55</u>	<u>142</u>	<u>627</u>	<u>1379</u>	<u>2920</u>
	<i>40 - 48</i>	<i>87 - 104</i>	<i>244 - 292</i>	<i>980 - 1180</i>	<i>2015 - 2410</i>	<i>3995 - 4780</i>
70	<u>42</u>	<u>62</u>	<u>162</u>	<u>711</u>	<u>1563</u>	<u>3311</u>
	<i>46 - 56</i>	<i>98 - 118</i>	<i>276 - 332</i>	<i>1110 - 1335</i>	<i>2280 - 2740</i>	<i>4520 - 5410</i>
80	<u>47</u>	<u>70</u>	<u>180</u>	<u>794</u>	<u>1745</u>	<u>3697</u>
	<i>51 - 62</i>	<i>110 - 132</i>	<i>308 - 370</i>	<i>1240 - 1490</i>	<i>2540 - 3060</i>	<i>5050 - 6050</i>
90	<u>52</u>	<u>77</u>	<u>200</u>	<u>880</u>	<u>1930</u>	<u>4088</u>
	<i>57 - 68</i>	<i>122 - 146</i>	<i>342 - 410</i>	<i>1375 - 1650</i>	<i>2820 - 3380</i>	<i>5600 - 6700</i>
100	<u>58</u>	<u>86</u>	<u>222</u>	<u>978</u>	<u>2150</u>	<u>4555</u>
	<i>62 - 75</i>	<i>133 - 161</i>	<i>374 - 449</i>	<i>1510 - 1810</i>	<i>3080 - 3700</i>	<i>6150 - 7340</i>
120	<u>67</u>	<u>99</u>	<u>257</u>	<u>1129</u>	<u>2481</u>	<u>5256</u>
	<i>73 - 88</i>	<i>157 - 189</i>	<i>440 - 526</i>	<i>1770 - 2120</i>	<i>3620 - 4350</i>	<i>7200 - 8600</i>
150	<u>82</u>	<u>121</u>	<u>314</u>	<u>1379</u>	<u>3033</u>	<u>6424</u>
	<i>88 - 108</i>	<i>191 - 230</i>	<i>537 - 644</i>	<i>2160 - 2600</i>	<i>4440 - 5300</i>	<i>8800 - 10500</i>
180	<u>97</u>	<u>143</u>	<u>371</u>	<u>1630</u>	<u>3584</u>	
	<i>106 - 126</i>	<i>226 - 272</i>	<i>635 - 760</i>	<i>2520 - 3060</i>	<i>5250 - 6270</i>	
200	<u>106</u>	<u>157</u>	<u>408</u>	<u>1793</u>	<u>3943</u>	
	<i>117 - 140</i>	<i>250 - 300</i>	<i>700 - 840</i>	<i>2840 - 3380</i>	<i>5770 - 6940</i>	

SELECTING AN OIL AND WATER SEPARATOR

Capacity ranges shown in *italics* are the factory standard model capacities. These capacities may be expanded by varying the centrifugal vanes internally at the time of manufacture. Expanded capacity ranges are shown as underlined figures, for ease of selection when air flows do not fall within the standard *italics* figure ranges. When ordering a model within an underlined-to-italic or *italic-to-underlined* figure range, the flow requirement and operating pressure MUST BE SPECIFIED ON THE ORDER. Capacity ranges cannot be adjusted after manufacture.