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Air Solutions Group  
 Davidson, NC 28036

**PL-12 AFTERCOOLERS**

**ENGINEERING DATA**

Model No.	Number Tubes	Tube Length	Cooling Area (SF)	Shell OD	Shell Thickness	Design Pressure (1)
7-PL-12	7	144"	11.0	2.88	.203"	150#/400°F
14-PL-12	14	144"	22.0	3.50	.216"	150#/400°F
21-PL-12	21	144"	33.0	4.50	.237"	150#/400°F
28-PL-12	28	144"	44.0	5.56	.258"	150#/400°F
35-PL-12	35	144"	55.0	5.56	.258"	150#/400°F
49-PL-12	49	144"	77.0	6.63	.280"	150#/400°F
63-PL-12	63	144"	99.0	8.63	.277"	150#/400°F
77-PL-12	77	144"	121.0	8.63	.277"	150#/400°F
98-PL-12	98	144"	154.0	8.63	.277"	150#/400°F
128-PL-12	128	144"	201.1	10.75	.308"	150#/400°F
160-PL-12	160	144"	251.3	10.75	.308"	150#/400°F
192-PL-12	192	144"	301.6	12.75	.330"	150#/400°F
235-PL-12	235	144"	369.1	12.75	.330"	150#/400°F

**PL-12 AFTERCOOLER MATERIALS OF CONSTRUCTION**

**Watercooled Models**

Tubing	1/2" OD Copper Tubing
Tubesheets	Carbon Steel, A-285 Gr. C or A-516 All Models
Shell	Carbon Steel, A-278 for Diameters up to 6" A-53 Gr. B Diameters 6" and Larger
Baffles	Steel for All Models

**NOTE: (1)** Safety Relief Valve setting not to exceed 150 PSIG