



## Q-AIR JOBSITE WORKSHEET



Supply Side Rating	score	enter value for each condition that applies
Rotary / Recip Control Mode	0	VSD or Variable Displacement
	3	Load/Unload
	8	Modulation
Centrifugal Compressor Blowoff	0	No blowoff valves ever open
	3	One blowoff valve open occasionally
	5	One blowoff valve open often
	7	Two blowoff valves open at times
	10	More than two blowoff valves open
Supply Side Storage	0	10 gallons / cfm of largest compressor
	1	5 gallons / cfm of largest compressor
	2	3 gallons / cfm of largest compressor
	4	2 gallons / cfm of largest compressor
	6	1 or less gallons / cfm of largest compressor
Multiple Compressor Sequencing	0	PLC based rate of change automation
	2	Compressor manufacturer network sequencer
	4	Pressure switch sequencer
	6	None - manual rotation
Compressor & Equipment Maintenance	0	Professional Service Contract
	1	In-house preventive maintenance
	3	Repair only maintenance
	6	Repair only maint.; experiencing reliability issues
Compressor Room Conditions (Use all that apply)	0	Clean and well ventilated
	2	Elevated temperatures
	2	Dusty or dirty air
	2	Poor cooling water treatment
Air Treatment - Dryers	0	Cycling refrigerated dryers
	1	Non-cycling refrigerated dryers
	2	Heat of compression dryers
	4	Heated blower desiccant dryers
	6	Heated desiccant dryers
	10	Heatless desiccant dryers
Air Treatment - total pressure drop	0	< 2 psid
	1	< 5 psid
	4	< 10 psid
	7	> 10 psid
<b>Total Supply System Score</b>		Add up all scores above
<b>Supply System Rating</b>	%	Subtract total from 100 (relative to 100% of potential efficiency)

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Demand Side Rating	score	enter value for each condition that applies	
Artificial Demand	1	<80 psig plant header pressure	
	3	80-90 psig plant header pressure	
	5	90-100 psig plant header pressure	
	8	>100 psig plant header pressure	
Open Blowing Applications	0	No compressed air blowing or use low pressure blowers only	
	2	Minimal blowing applications using engineered nozzles	
	5	Some compressed air blowing using tubing or pipe manifolds	
	8	Significant use of comp air blowing on product or equipment	
Inappropriate or Inefficient Uses (Use all that apply)	0	No inappropriate or inefficient uses identified	
	2	Vacuum generators and venturis driven by compressed air	
	2	Sparging, mixing of liquids with compressed air	
	2	Vibrators or agitators powered by compressed air	
	2	Other: diaphragm pumps, filter presses	
	4	Large or multiple pulse type baghouses or dust collector	
	5	Conveying of material with compressed air (not blowers)	
Leak Management	1	Aggressive leak repair program including ultrasonic scanning	
	3	Semi or annual leak repair effort	
	5	No leak management but do repair large or obvious leaks	
	7	Minimal effort on leak repairs	
Idle Production Equipment	0	Automatic shutoff of air to idle production equipment	
	2	Manual shutoff of air to idle production equipment	
	4	No shutoff of air to idle production equipment	
Condensate Drain Losses	0	All demand style drains well maintained	
	2	Mix of demand and solenoid drains	
	4	Timed solenoid drains	
	6	Partially open valves or drain bypasses	
<b>Total Demand Side Score</b>	Add up all scores above		
<b>Demand Side Rating</b>	<b>%</b>	Subtract total from 100 (relative to 100% of potential efficiency)	

## Efficiency Quotient Summary

Supply Side Rating	%	
Demand Side Rating	%	
(Demand + Supply) / 2	%	<b>System Rating</b>