



MULCAHY MINUTE

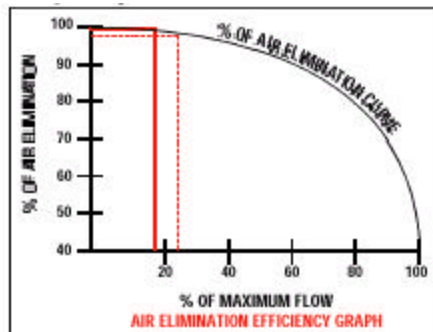
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It's dissolved in solution and cold water holds more air than hot water. When you heat the water, air is released and carried throughout the system. If you vent the air, the system pressure will drop. You add more cold water to bring the pressure back up to its normal level, and when you do, you let even more air into the system. That is where the air separator comes into play.

Bell & Gossett has spent years studying air removal and has written several Engineering Technical Manuals on the subject. We would like to take this opportunity to share with you the benefits of B & G's air elimination system. First and foremost, B & G has the most diverse air elimination system available. The IAS (Inline Air Separator) used on small hot water systems, the EAS (Enhanced Air Separator) used on small to medium size commercial applications and the Rolairtrol used on medium to large commercial applications. The most important result of an air elimination system is the percentage of air removed, or elimination efficiency. The IAS uses an orifice design rather than an inclined plane (commonly called air scoops) which, after extensive testing proves to remove air more effectively. Additionally, it is supplied with a 3/4" tapping on the top, which removes air faster than our competitors air scoops with a 1/8" tapping. The EAS removes

99% of air as well as micro-bubbles using a stainless steel wire brush diffuser. The Rolairtrol will remove as much as 99% of the air **PER PASS** depending on flow.



An example:

An R-8 with 350 GPM passing through it, the percentage of maximum flow would be Using the Air Elimination Efficiency Graph at this % of maximum flow the R-8 will separate **97.5%** of the entrained air **ON EACH PASS** through the unit.

The Rolairtrol is still the most efficient means of air elimination in a hot water system. Sizes vary from 2" to 24" with and without strainers.

Please contact your BJM salesperson for Technical Bulletins or further information on this subject.

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THANK YOU FOR YOUR BUSINESS IN 2000 AND WE LOOK FORWARD TO 2001!



MERRY CHRISTMAS & HAPPY HOLIDAYS FROM ALL OF US AT

B.J. MULCAHY COMPANY



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We're More Than Great Pumps!!

You already know us as a premier HVAC pump representative in town. But DON'T let our good name and reputation fool you! We are staffed with experts in steam handling & generation, boilers, domestic water heaters, plumbing pumps, sump pumps & sewage ejectors, variable speed drives, emergency shower/eyewash mixing valves, coil hook ups,...the list goes on. With a staff of 26 (and growing) we have Customer Service Representatives, Engineers, and Field Service Technicians available to handle your HVAC needs.

DID YOU KNOW? That BJ Mulcahy Company is the largest stocking representative in the upper Midwest for pumps, heat exchangers and other hydronic components & accessories? With over \$2 million of equipment in stock, other reps are Green with envy.

DID YOU KNOW? That BJ Mulcahy Company is an expert on steam heating and process equipment. We have a full line of steam boiler controls (ITT McDonnell & Miller), heat exchangers, condensate pumps, vacuum pumps, pressure powered condensate pumps & boiler feed water pumps, both stock & custom units (ITT Domestic/Hoffman, Weil Pump Company & Vertiflo), unfired steam generators (Cemline), steam traps (large

stock), Steam PRV Valves and Self-contained Steam Control Valves, (ITT Hoffman Specialty).

DID YOU KNOW? That BJ Mulcahy Company is an industry leader in training & education for hydronic and steam systems. Most have heard of Bell & Gossett's Little Red Schoolhouse, well, we would like to introduce you to our very own state-of-the-art audio/visual seminar/meeting facility. Located at our offices in Eagan, it will accommodate groups as large as thirty. We have pre-packaged presentations, or we can tailor one to your specific needs. Don't have time to travel? Give us a call, we'll put our show on-the-road and bring one of our informative Lunch and Learn meetings out to you.

DID YOU KNOW? That BJ Mulcahy Company is your expert in boilers and water heaters. We represent both Burnham & R.B.I., recognized as industry leaders in Cast Iron & Copper Finned Tube boilers.

NOW YOU KNOW! BJ Mulcahy Company is pumps and a whole lot more!