



Call: (800) 727-6447  
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## The APR-E Valve™

**Achieve the performance of a chilled water system while on a DX budget!**

The APR-E offers capacity modulation on any fixed compressor system to a precise discharge air setpoint. This Rawal valve is an **Electrically driven, Electronically controlled** external compressor unloader providing modulation on any single or multi stage DX system. The APR-E can be easily integrated into an existing BAS/BMS or act as a stand-alone controller for any New or Retrofit applications.

### Why you would use it?

**Performance:** Achieve superior system performance with precision discharge air control within 1° deviation from setpoint.

**Value:** Cost is key. Obtain the versatility of a chilled water system and other high-priced modulating technologies while still remaining budget friendly.

**Simplicity:** Ease of installation, commissioning and troubleshooting.

**Compliant:** Meet energy code demands and maintain control to Dew Point for temperature stability in critical applications (*labs, cleanrooms, etc.*).



**The The APR-E Valve has yielded success amongst a wide variety of applications such as:**

- VAV Systems
- Make-Up/ Dedicated Outside Air Systems (*MUA/DOAS*)
- Chillers
- Labs/Cleanrooms (*Ex: Pharmaceutical*)
- Hospitals (*Surgical suites and Medical Storage*)
- Manufacturing Facilities

### SUCCESS STORY - ASHRAE Test Lab Facility:

*“Precise discharge air control was much needed for the ASHRAE Test Lab in a tightly controlled environment. By utilizing the APR-E® modulating technology on a single stage, constant speed compressor, integrated and programmed into our BMS controls, we were able to maintain a deviation from setpoint of no more than +/- 1°F in the testing environment suite which consists of 4 cleanrooms of air cleanliness from ISO Class 8 through Class 1.”*

Wei Sun, P.E.  
President of Engsysco  
Principal Investigator for ASHRAE Research Projects

***Have an application you wish to discuss or simply want to learn more?  
Speak with our Technical Sales Support Team today!***