



# SUBMITTAL DATA

## Model 721

### Automatic Air Eliminator

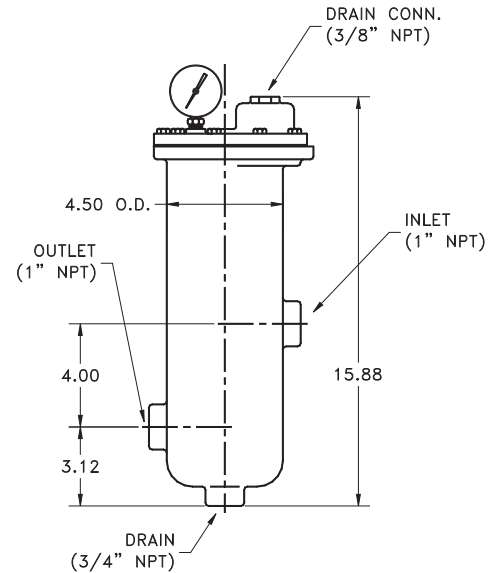
Page 1 of 2

One size Air Eliminator handles all size jobs. Combine both air separation and elimination into one economical, easily installed, compact unit.

Obsolete the installation of large air separators. Ideal for HVAC installations on upper finished runs & pump by-pass applications.

#### Features

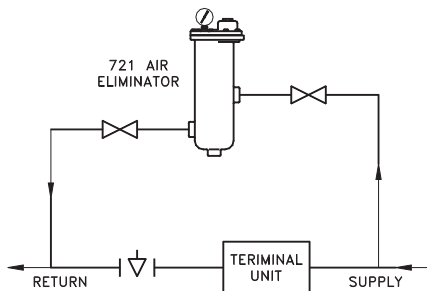
- \* Combination vortex separator and patented pilot piston air elimination valve uses the system pressure itself for tight sealing....prevents air from entering system in vaccum conditions.
- \* By-pass around terminal heat transfer unit ensures flow through air separator/eliminator at all times.
- \* By-pass around circulating pump creates low point of solubility at pump location.
- \* Compact size allows installation at top of system in finished space or ceiling crawl space.
- \* Lower initial cost and low installation costs....only two fittings to pipe.



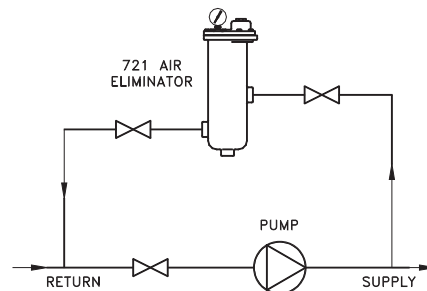
<b>Operating Pressure:</b>	<b>0 PSIG to 150 PSIG</b>
<b>Max. Temperature:</b>	<b>240°F</b>
<b>Flow Range:</b>	<b>0 to 8 GPM</b>

#### MATERIALS OF CONSTRUCTION

DESCRIPTION	STANDARD CONSTRUCTION
BODY	CAST IRON
COVER	CAST IRON
NUTS AND BOLTS	S.S.
VENT MECHANISM	BRONZE



Terminal Unit By-Pass Installation



Pump By-Pass Installation

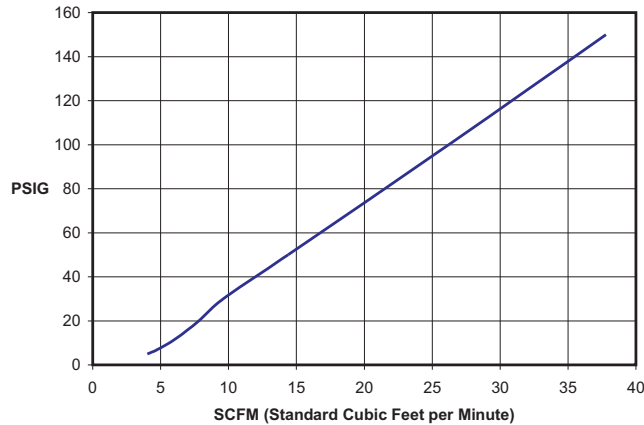
**Job Name** \_\_\_\_\_  
**Location** \_\_\_\_\_  
 \_\_\_\_\_  
**Engineer** \_\_\_\_\_  
**Architect** \_\_\_\_\_  
**Sales Rep.** \_\_\_\_\_  
**Contractor** \_\_\_\_\_

**Model Number** \_\_\_\_\_  
**Notes** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

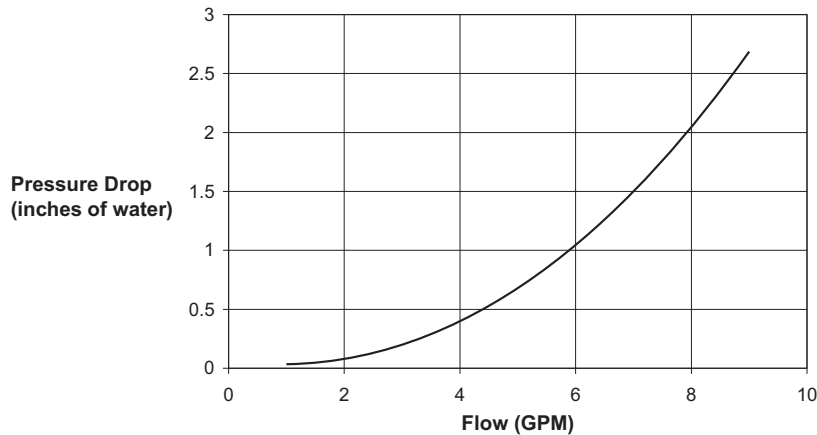


**SUBMITTAL DATA**  
**Model 721**  
**Automatic Air Eliminator**  
**Page 2 of 2**

**Air Elimination vs. System Pressure**



**Water Flow Rate vs. Pressure Drop**



In lab and field tests, pressure drop was so low it was measured in inches of water. To obtain PSIG reading, multiply inches by 0.0362. Example: At 4 GPM, the pressure drop of 0.4" of water is equal to only 0.01 PSIG.

**Job Name** \_\_\_\_\_  
**Location** \_\_\_\_\_  
 \_\_\_\_\_  
**Engineer** \_\_\_\_\_  
**Architect** \_\_\_\_\_  
**Sales Rep.** \_\_\_\_\_  
**Contractor** \_\_\_\_\_

**Model Number** \_\_\_\_\_  
**Notes** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_