



AE SERIES

## Support Valves

# Tangential Flow Air Eliminator

### Service Applications

- Hydronic heating system
- Petroleum transfer
- Air & gas lines
- Irrigation systems

### Features Include

- ASME constructed tank
- 125 PSIG design pressure
- Carbon steel, Galvanized or Stainless Steel
- Efficient tangential flow design
- Air or exhaust gas is piped away
- Sizes 2" thru 24"\*
- 2" and 2 1/2" sizes have NPT connections
- 3" and larger sizes are flanged
- Optional Inlet Strainer

The CRISPIN Tangential Flow Air Eliminator separates large or small quantities of air from liquid systems while the system is in operation. The tangential flow design slows the velocity of liquid through the pipe, allowing greater air separation from the media.

CRISPIN provides a wide range of Air Release Valve orifice sizes to suit your application. This can be accommodated thru the selection of the proper valve based upon the maximum anticipated air collection volume. Refer to CRISPIN Pressure Air Release Valve sizing information.

The CRISPIN Air Eliminator is typically installed inline downstream from the pump, but upstream from flow meters.

The Air Release Valve can include an isolation valve between the tank and the Air Release valve. This will allow system operation to remain uninterrupted, if valve servicing is required.

Typical configurations can include any size CRISPIN Air Release Valve to accommodate the system's anticipated air volume.



### Standard Materials

- ASME code carbon steel tank with cast iron body and stainless steel trim Air Release Valve

### Optional Materials

- Galvanized Steel
- Stainless Steel
- Carbon steel internally lined with bitumastic tank solution
- Grooved End inlet and outlet are available on all sizes
- Inlet strainer is optional

\* For sizes above 14", please contact the factory.



# AE SERIES

## Tangential Flow Air Eliminator

MODEL NO.	A	B	C	D	E	F	G STRAINER	H	J	K	L	M DIA. PIPE	P	R	WEIGHT
AE20	12	19 1/2	22 1/2	16 5/8	5 1/2	2 1/8	2	2	4 5/16	1 1/4	1	2	16 1/4	9 1/2	71
AE25	12	19 1/2	22 1/2	16 5/8	5 1/2	2 3/8	2 1/2	2 1/2	4 1/16	1 1/4	1	2 1/2	16 1/2	9 1/2	86
AE31	12	19 1/2	22 1/2	19 3/4	5 3/4	2 1/2	3	3	3 3/4	1 1/4	1	3	17 1/8	9 1/2	91
AE41	14	29	32	21 3/4	9 1/8	2 1/2	4	4	4 1/4	1 1/2	2	4	19 1/2	11 1/2	134
AE51	14	29	32	21 3/4	9 1/8	2 1/2	5	5	3 3/4	1 1/2	2	5	19 3/4	11 1/2	161
AE61	20	41	44	28	13 1/4	2 1/2	6	6	6 1/4	2	2	6	25	18	259
AE81	20	41	44	28	13 1/4	3	8	8	5 3/16	2	2	8	29	18	404
AE101	30	58	60 1/2	41	19	3 1/2	10	10	9 1/8	2	2	10	25 1/2	24	708
AE121	30	58	60 1/2	41	19	3 1/2	12	12	8 1/8	2	2	12	26 1/2	24	792
AE141	36	75 1/2	78	46 3/8	22	3 1/2	14	14	10 3/16	2	2	14	42 1/4	30	1538

Specifications and materials are subject to change without notice.  
For sizes about 14", please contact the factory.

### Valve Diagram

