

UKL AIR ELIMINATOR TRAP :-

•UKL Air Eliminator trap removes the trapped air from liquid lines/process equipments. Air is a harmful ingredient in steam going to process areas. Presence of air aids corrosion and leakage from pipelines and from vessels. Air can enter steam space through Boiler Feed Water circuit. Air can enter from atmosphere when steam condenses over long stoppages.

During start up when the air from liquid lines/process equipment enters Air eliminator trap, it passes through outlet port, when the liquid enters the Air Eliminator Trap the float rises and closes the outlet port and restrict the liquid to flow out.



MATERIAL OF CONSTRUCTION:

CAST IRON MODEL

UAET-14 Model– IS 210 FG260

CAST CARBON STEEL MODEL

UAET- 20 Model- ASTM A216 Gr. WCB

OPERATING CONDITIONS:-

UAET-14 CAST IRON MODEL

Max Operating Pressure :- 188.6 psi
Max Operating Temperature :- 428 °F

UAET-20 CAST CARBON STEEL MODEL

Max Operating Pressure :- 455.2 psi
Max Operating Temperature :- 797°F

| Model | Max Diff. Pressure | PMO psi | Sat. Temp °F |
|--------------|--------------------|---------|--------------|
| UAET-14 -4.5 | 65.25 psi | 203 | 379.4 |
| UAET-14 -10 | 145 psi | 203 | 379.4 |
| UAET-14 -14 | 203 psi | 203 | 379.4 |
| UAET-20 -4.5 | 65.25 psi | 464 | 458.6 |
| UAET-20-10 | 145 psi | 464 | 458.6 |
| UAET-20-14 | 203 psi | 464 | 458.6 |
| UAET-20-21 | 304.5 psi | 464 | 458.6 |
| UAET-20-32 | 464 psi | 464 | 458.6 |

SIZES AVAILABLE:-

UAET-14 Model: ½”, ¾”, and 1”
UAET-20 Model: ½”, ¾”, and 1”

OPTIONAL:-

IBR/Non-IBR
Inbuilt Strainer
Flanged End #150/#30
Available Diff. Pressure (psi)
UAET-14 Model :- 65/145/203
UAET-20 Model :- 65/145/203/304/464

END CONNECTIONS:

UAET-14 CAST IRON MODEL
Threaded to NPT , BSP and BSPT.

UAET-20 CAST CARBON STEEL MODEL :-

Threaded to NPT , BSP and BSPT.
Socket Weld to ASME B 16.11
Flanged End #150/#300 (On Request)

INSTALLATION :-

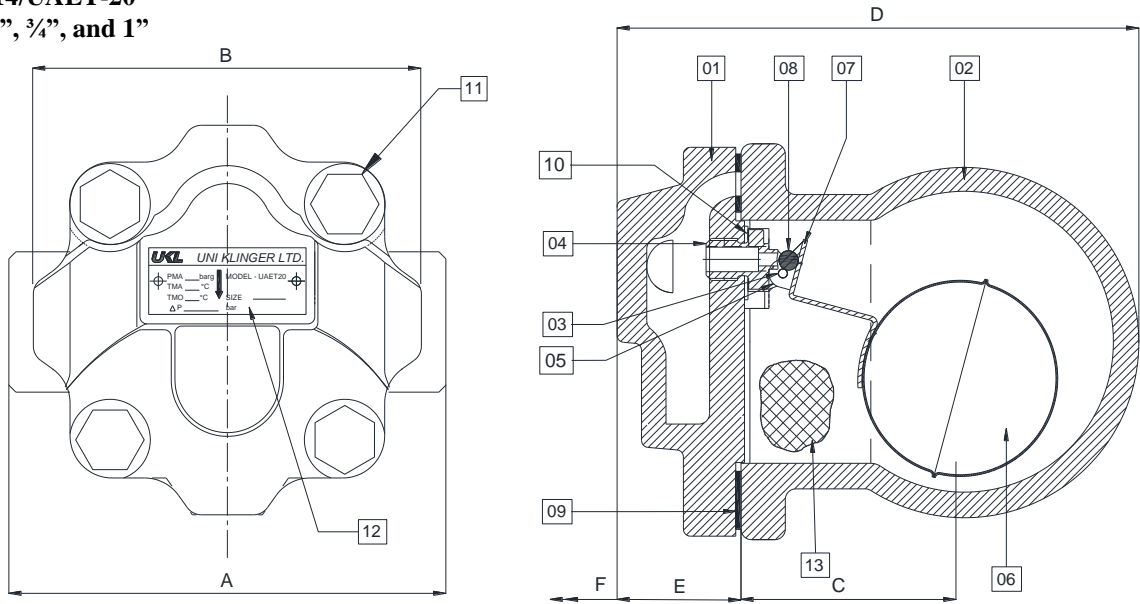
Horizontal/Vertical position.

UKL-DS-IU-UAET-R00-MAY 2017

BILL OF MATERIAL:

UAET14/UAET-20

Size- ½”, ¾”, and 1”



| No. | PART NAME | MATERIAL | MATERIAL CODE | MATERIAL | MATERIAL CODE |
|-----|-------------------|--------------|-------------------|--------------|---------------|
| 1 | Body | Cast Steel | ASTM A 216 Gr WCB | Cast Iron | IS 210 FG 260 |
| 2 | Cover | Cast Steel | ASTM A 216 Gr WCB | Cast Iron | IS 210 FG 260 |
| 3 | Pivolt Pin | SS | AISI 304 | SS | AISI 304 |
| 4 | Valve Seat | SS | AISI 304 | SS | AISI 304 |
| 5 | Pivot Bracket | SS | AISI 304 | SS | AISI 304 |
| 6 | Float Halves | SS | AISI 304 | SS | AISI 304 |
| 7 | Lever | SS | AISI 304 | SS | AISI 304 |
| 8 | Steel Ball | SS | SS 440C | SS | SS 440 C |
| 9 | Cover Gasket | CAF | CAF | CAF | CAF |
| 10 | Valve Seat Gasket | SS | AISI 304 | SS | AISI 304 |
| 11 | Cover Bolt (M10) | Carbon Steel | Gr. 8.8 | Carbon Steel | Gr. 8.8 |
| 12 | Name Plate | SS | AISI 304 | SS | AISI 304 |
| 13 | Strainer | SS | AISI 304 | SS | AISI 304 |

Dimensions (inches) Screwed / Socket Weld End Connections

| Size | Diff Pressure | A | B | C | D | E | F | Weight (lb) |
|------|----------------|------|------|------|------|------|------|-------------|
| ½” | 65/145/200 psi | 5.04 | 4.37 | 2.68 | 7.05 | 1.18 | 4.33 | 8.5 |
| ¾” | | 5.04 | 4.37 | 2.68 | 7.05 | 1.18 | 4.33 | 8.5 |
| 1” | | 6.02 | 4.37 | 2.95 | 7.95 | 1.18 | 5.12 | 11.9 |



Cast / Forged Steel Piston Valves, Bellow seal valves, High Pressure valves (Gate/Globe), Strainers – “Y” Type, ITVS Steam Traps (Thermodynamic, Thermostatic, Ball Float Traps and IBT), Pressure Reducing Station, Condensate Recovery Products. Level Gauges (Reflex, Transparent, Bicolor), Sight Glass, Hot Water Generation System, Safety and Relief Valves. FSD Products : Compressed Asbestos / Non Asbestos Fiber Sheeting / Cut Gaskets, Spiral Wound Gaskets.

In view of technical progress design and dimensions are subjected to change without notice.



UNI KLINGER LIMITED

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