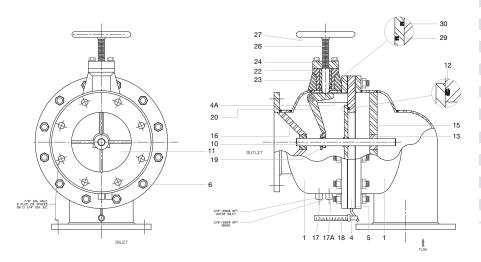
GENERAL DESCRIPTION

Manufactured in 6" through 60" valve sizes. There are two types of angle valves:

- · Angle flow inlet and straight flow outlet
- · Straight flow inlet and angle flow outlet



| Item No. | Part Name | Type of Mat'l |
|----------|--------------------|---------------|
| 1 | Valve Body | A516 GR-70 |
| 4 | Seat Ring | A516 GR-70 |
| 4A | Lev. Support | C.S. |
| 5 | Gasket | NON-ASB. |
| 6 | Valve Bolt | A193-B7 |
| 10 | Shaft | 17-4PH S/S |
| 11 | Disc | A516 GR-70 |
| 12 | Seat Seal | VITON |
| 13 | Hub | C.S. |
| 15 | Inlet Hub Support | C.S. |
| 16 | Outlet Hub Support | C.S. |
| 17 | Water Inlet | A105 |
| 17A | Drain | A105 |
| 18 | Water Level Gauge | GLASS |
| 19 | Shaft Shoulder | 304 S/S |
| 20 | Lever | C.S. |
| 22 | Stuffing Box | C.S. |
| 23 | Bushing | Bronze-660 |
| 24 | Special Gland | Bronze-660 |
| 26 | Handwheel Shaft | 17-4PH S/S |
| 27 | Handwheel | C.S. |
| 29 | Bushing O-Ring | VITON |
| 30 | Buching O Ping | VITON |

8" Angle Atmospheric Relief Valve (EARA-1008)

HEAT EXCHANGE INSTITUTE ATMOSPHERIC RELIEF VALVE SIZES

Sizes of Atmospheric Relief Valve (inches)

| Maximum Stream Flow Pounds Per Hour | For Protection* | For Maximum Non-Condensing Operation* |
|--|--------------------|--|
| up to 7.500 | 6 | 8 |
| 7,501 to 11,800 | 8 | 10 |
| 11,801 to 17,000 | 8 | 12 |
| 17,001 to 20,000 | 8 | 14 |
| 20,001 to 23,100 | 10 | 14 |
| 23,101 to 30,200 | 10 | 16 |
| 30,201 to 38,200 | 12 | 18 |
| 38,201 to 45,000 | 12 | 20 |
| 45,001 to 47,200 | 14 | 20 |
| 47,201 to 62,000 | 14 | 24 |
| 62,001 to 68,000 | 16 | 24 |
| 68,001 to 82,000 | 16 | 30 |
| 82,001 to 106,000 | 18 | 30 |
| 106,001 to 120,000 | 18 | |
| 120,001 to 170,000 | 20 | |
| 170,001 to 250,000 | 24 | |
| 250,001 to 380,000 | 30 | |
| 380,001 to 550,000 | 36 | |

*The sizes listed "For Protection" are normally used under ordinary condensing operation and are for general reference only. If it is desired to operate the turbine temporarily noncondensing at its maximum noncondensing capacity, the sizes listed under "For Maximum Noncondensing Operation" should be used. Actual design condions, i.e., flow, relieving pressure, should be established by the user and condenser manufacturer. The valve rellieving capacity and design should be certified by the valve supplier.

VALVE SIZING

The piping and valve size should be large enough to protect the condenser from exceeding 10 psig \pm 10% accumulation.

Tolerance on set pressure of relief valve not to exceed $\pm 5\%$.

APPROXIMATE FINISHED WEIGHT

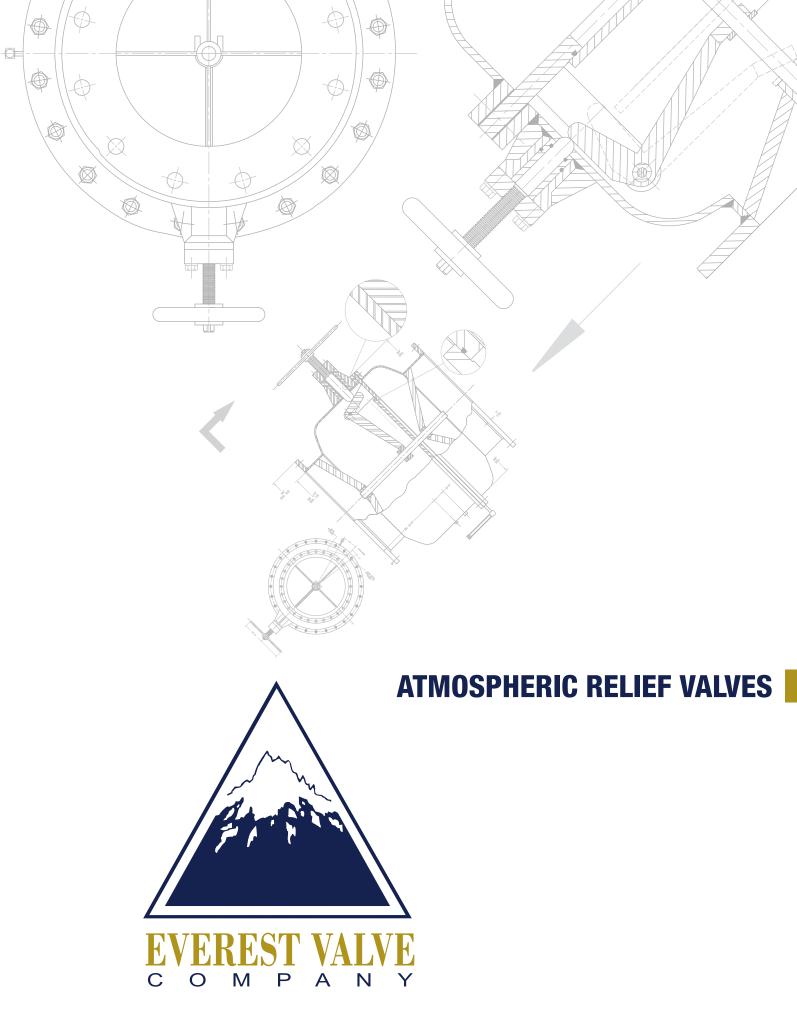
| Valve Size | Vertical Type | Horizontal Type |
|------------|---------------|-----------------|
| 6" | 165# | 220# |
| 8" | 258# | 340# |
| 10" | 325# | 460# |
| 12" | 476# | 652# |
| 14" | 563# | 760# |
| 16" | 605# | 823# |
| 18" | 751# | 1095# |
| 20" | 812# | 1206# |
| 24" | 1118# | 1698# |
| 30" | 1726# | 2537# |
| 36" | 2908# | 3776# |
| 36" | 2908# | 3776# |

ORDERING NEW VALVES

- Valve size and steam flow required
 Vertical, angle or horizontal type
- 3. Materials of construction
- Number of valves required
 Acceptable delivery time

ORDERING SPARE VALVES OR PARTS

- 1. Provide valve size and serial numbers of the existing valves in your plant.
- 2. Check valve drawings and provide the part



Mailing Address: P.O. Box 24295 Houston, TX 77229

www.everestvalveusa.com info@everestvalveusa.com P - 713.923.8696 F - 713.923.6270 Toll Free - 1.855.558.0717

Physical Address: 6612 Avenue U Houston, TX 77011

Everest Valve Company is dedicated to engineering and fabricating valves for demanding customer specifications including:

- · Chemical Processing
- · Refining
- · Power Generation
- Pipeline
- · Food Processing
- · Manufacturing Unlike most valve manufacturers, Everest does not stock a standard line that may have to be modified.
- Rather, we respond rapidly to exact customer needs and produce valves tailored precisely to the service application including:
- · High and Low Temperature
- · High Pressure
- · Vacuum
- · Severe Fluid Service

From order entry, through design, manufacturing, fabrication, and testing, our dedication is evident in producing high quality, application-specific valves for exacting customer specifications.

CATION

All of our products are manufactured for specific customer applications, using designs that have been proven successful in the most severe service. Our valves have been in wide use in Petro-Chem, Pipe Line, Refinery, Oil Field, Pulp & Paper, Power Plant, Chemical Processing, Manufacturing & Water industries. We supply products made from alloys (including exotic types), and sizes that are unavailable from the average valve manufacturer. You will find our quotations reasonable and our delivery rapid with guaranteed

A516 GR-70 Non-Asbestos A193-B7 MATERIAL 17-4PH S/S A516 GR-70/S.S.

VALVE AND

EPDM/VITON C.S. A105 304 S/S Bronze-660 Nitronic 60 or Customer Specification

PURP09

ATMOSPHERIC

HORIZONTAL

Atmospheric Relief Valves provide Automatic Protection of costly Turbine Condenser equipment. These valves are as important as Trip Throttle Valves, Overspeed Governors and other devices for Power Plant Protection. EVEREST Atmospheric Relief Valves are designed and manufactured with the finest materials and highest quality workmanship. They are completely dependable to relieve built up steam in case of emergency.

EVEREST ATMOSPHERIC RELIEF VALVES open and close automatically. Each valve needs to be installed vertically and properly leveled for smooth operation. Special "O"- ring seals and a water seal is provided for zero leakage in full vacuum conditions. Each valve opens as soon as the pressure increases slightly above atmospheric pressure.

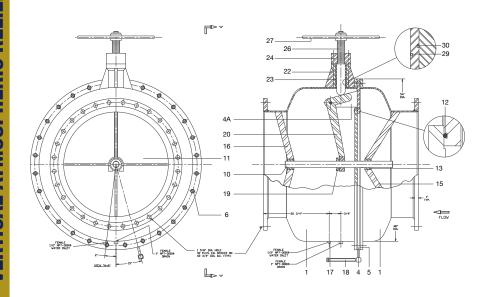
Highter than atmospheric at pressure can be provided with internally spring loaded

During regular maintenance and as many times as possible, each Atmospheric Relief Valve needs to be opened by turning the handwheel clockwise and then closing the valve by turning the handwheel counterclockwise. This process ensures non-binding and self cleaning valve action

All products manufactured by Everest Valve are guaranteed free of defects in material and workmanship, when used within the range recommened, for a period of one year from shipment. When authorized, any defective part or product may be returned to the factory. If found defective, it will be repaired or replaced free of charge, F.O.B. our factory. No charge for labor or other expenses incurred will be allowed as the liability of Everest is limited to the refund price of the defective part or product only.

GENERAL DESCRIPTION

Manufactured in 6" through 60" valve sizes. These are the most readily available valves. the flow enters the bottomflange, pops open the disc upwards and flows out from the topency.



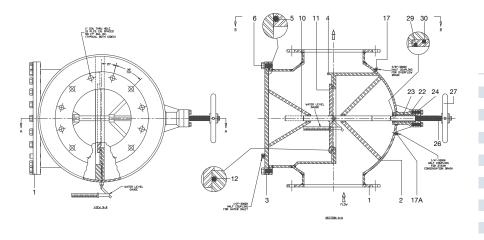
36" Vertical Atmospheric Relief Valve (EARV-1036)



| Item No. | Part Name | Type of Mat'l |
|----------|--------------------|--------------------------------------|
| 1 | Valve Body | A516 GR-70 |
| 4 | Seat Ring | A516 GR-70 |
| 4A | Lev. Support | A516 GR-70 |
| 5 | Gasket | Non-Asbestos |
| 6 | Valve Bolt | A193-B7 |
| 10 | Shaft | 17-4PH S/S |
| 11 | Disc | A516 GR-70 |
| 12 | Seat Seal | EPDM |
| 13 | Hub | C.S. |
| 15 | Inlet Hub Support | C.S. |
| 16 | Outlet Hub Support | C.S. |
| 17 | Water Inlet | A105 |
| 17A | Drain | A105 |
| 18 | Water Level Gauge | Brass Male Elbow with Level Gauge |
| 19 | Shaft Shoulder | 304 S/S |
| 20 | Lever | C.S. |
| 22 | Stuffing Box | C.S. |
| 23 | Bushing | Bronze-660 |
| 24 | Special Gland | Bronze-660 |
| 26 | Handwheel Shaft | 17-4PH S/S |
| 27 | Handwheel | C.S. |
| 29 | Bushing O-Ring | EPDM |
| 30 | Bushing O-Ring | EPDM |
| | | |

GENERAL DESCRIPTION

Manufactured in 6" through 60" valve sizes. in these valves the inlet is at a 90° angle, and the outlet is at a 90° angle also. The inlet and outlet can be oriented at any angle to suit customer's piping.



12" Horizontal Atmospheric Relief Valve (EARH-1012)



| tem No. | Part Name | Type of Mat'l |
|---------|-----------------|---------------|
| 1 | Flange | C.S. |
| 2 | Valve Body | C.S. |
| 3 | Blind Flange | C.S. |
| 4 | Seat Ring | C.S. |
| 6 | Valve Body | A193-B7 |
| 10 | Shaft | 304 S/S |
| 11 | Disc | C.S. |
| 12 | Seat Seal | EPDM |
| 17 | Water Overflow | A105 |
| 17A | Drain | A105 |
| 22 | Stuffing Box | C.S. |
| 23 | Bushing | Bronze-660 |
| 24 | Special Gland | Bronze-660 |
| 26 | Handwheel Shaft | 304 S/S |
| 27 | Handwheel | C.S. |
| 29 | Bushing O-Ring | EPDM |
| 30 | Bushing O-Ring | EPDM |
| | | |