

## EXHAUST HEADS EH

### DESCRIPTION

The ADCA EH series exhaust heads were designed to protect personnel from injury and exterior of buildings from harmful effects of steam ejection to atmosphere. The head is fitted at the end of a vertical exhaust pipe and effectively retains the moisture separated from the steam for draining.

### MAIN FEATURES

Stainless steel separating element.

Quiet operation.

Reduces discharge velocity.

**OPTIONS:** Corrosion protection (sand blasted, metalized and painted).  
Complete stainless steel construction.

**USE:** Open vertical steam vent pipes in blowdown vessels, boiler feedtanks, etc.

**AVAILABLE MODELS:** EH/S – carbon steel body.  
EH/SH – thermal spraying zinc coating and black painted.  
EH/SS – stainless steel body.

**SIZES:** 1" to 10"; DN 25 to DN 250.

**CONNECTIONS:** Flanged EN 1092-1 PN 16.  
Flanged ASME B16.5 Class 150.  
Others on request.

**INSTALLATION:** Vertical installation.  
The drain should be directed to a safe place.  
Not recommended to fit at the discharge outlet of safety relief valves.  
See IMI – Installation and maintenance instructions.



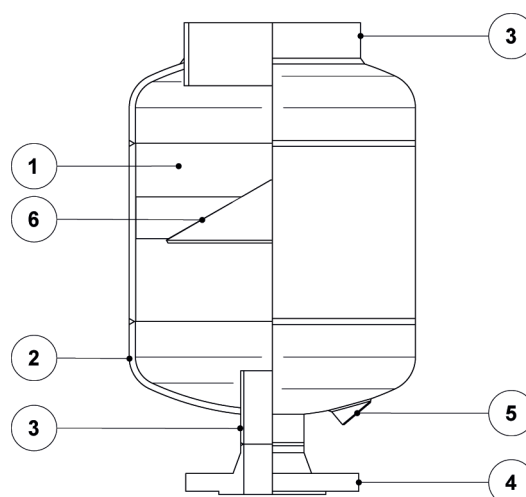
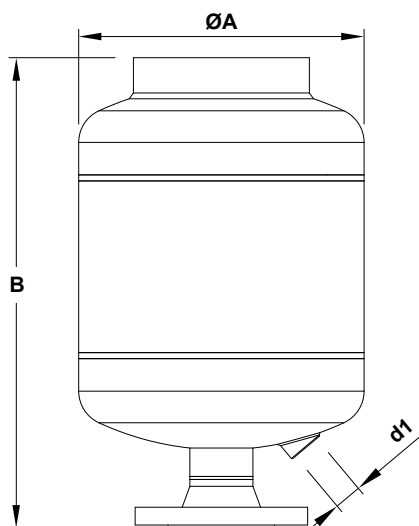
### LIMITING CONDITIONS

|                                    |         |
|------------------------------------|---------|
| PS – Maximum allowable pressure    | 0,5 bar |
| TS – Maximum allowable temperature | 300 °C  |

Minimum operating temperature: -10 °C.

Design code: AD-Merkblatt.

Remark: Other conditions on request.



#### DIMENSIONS (mm)

| SIZE           | ØA  | PN 16 | CLASS 150 | d1 *   | WEIGHT (kg) |
|----------------|-----|-------|-----------|--------|-------------|
|                |     | B     | B         |        |             |
| 1" – DN 25     | 168 | 345   | 360       | 1/2"   | 7,4         |
| 1 1/4" – DN 32 | 168 | 345   | 360       | 1/2"   | 8           |
| 1 1/2" – DN 40 | 168 | 400   | 417       | 1/2"   | 9,1         |
| 2" – DN 50     | 273 | 450   | 466       | 3/4"   | 20,5        |
| 2 1/2" – DN 65 | 273 | 450   | 475       | 3/4"   | 20,5        |
| 3" – DN 80     | 273 | 495   | 515       | 3/4"   | 23          |
| 4" – DN 100    | 273 | 495   | 518       | 1"     | 23,8        |
| 5" – DN 125    | 356 | 525   | 560       | 1"     | 40,5        |
| 6" – DN 150    | 356 | 525   | 560       | 1"     | 43,6        |
| 8" – DN 200    | 508 | 650   | 690       | 1 1/2" | 65          |
| 10" – DN 250   | 508 | 650   | 690       | 1 1/2" | 73          |

\* As standard, in versions manufactured with EN 1092-1 flanges this connection is female threaded ISO 7 Rp. In versions with ASME B16.5 flanges this connection is female threaded NPT.

#### MATERIALS

| POS. No. | DESIGNATION | EH/S and EH/SH     | EH/SS                                |
|----------|-------------|--------------------|--------------------------------------|
| 1        | Body        | P235GH / 1.0305    | AISI 316 / 1.4401                    |
| 2        | Head        | P265GH / 1.0425    | AISI 316 / 1.4401                    |
| 3        | Tube        | P235GH / 1.0325    | AISI 316 / 1.4401                    |
| 4        | EN flange   | P250GH / 1.0460    | AISI 316 / 1.4401                    |
|          | ASME flange | ASTM A105 / 1.0432 | AISI 316 / 1.4401                    |
| 5        | Socket      | ASTM A105 / 1.0432 | AISI 316 / 1.4401                    |
| 6        | Internals   | AISI 304 / 1.4301  | AISI 304 / 1.4301; AISI 316 / 1.4401 |