

Especially for desuperheating steam

**Characteristics**

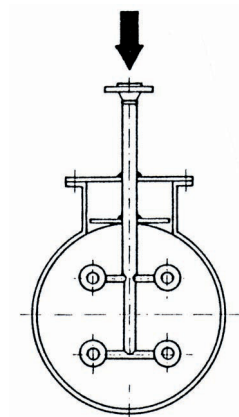
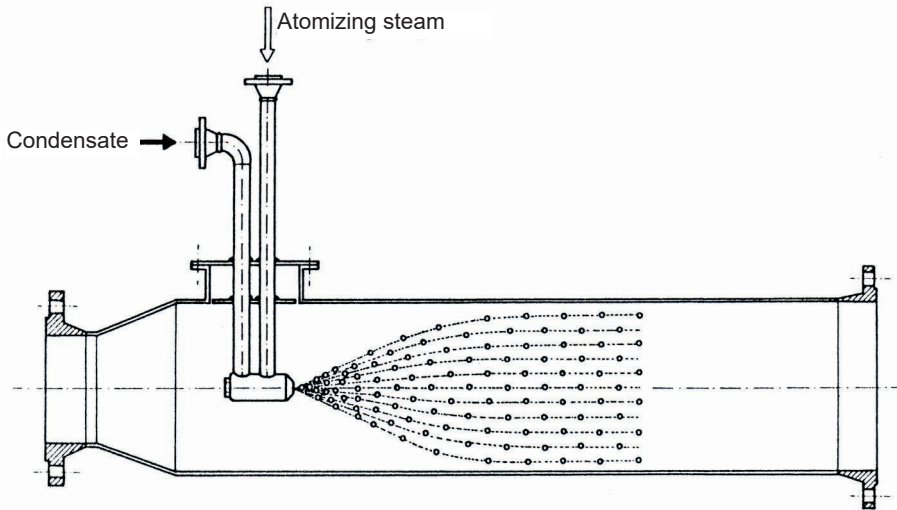
Large control range.  
 Atomizing steam pressure remains constant.  
 Amount of condensate is adjustable from 0 to maximum.  
 Micro-atomization with large control range.  
 Intensive cooling also near saturated steam limit.  
 Great atomization results at supercritical pressure conditions.  
 Finest droplets with large heat transfer capacity allow for a short evaporation distance.

**Application**

Desuperheating steam, various connection possibilities.

**Material**

Stainless steel, others on request



Multiple nozzle with intake

| Type  | Max. Water capacity at medium droplet size of about 50 to 70μ<br>Water capacity l/min. at pressure p |     |     |      |      |      |
|-------|--|-----|-----|------|------|------|
|       | 1  | 2   | 3   | 4    | 5    | 6    |
| ZAD 1 | 0.4  | 1.0 | 1.8 | 2.3  | 3.1  | 4.1  |
| ZAD 2 | 1.2  | 2.5 | 4.1 | 5.8  | 7.8  | 10.1 |
| ZAD 3 | 2.3  | 4.8 | 7.5 | 10.9 | 15.0 | 20.0 |

| Type  | Atomizing steam consumption (kg/h) |     |     |     |     |     |     |     |     |     |
|-------|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|       | 1                                  | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |
| ZAD 1 | 15                                 | 22  | 28  | 35  | 42  | 49  | 57  | 62  | 70  | 78  |
| ZAD 2 | 34                                 | 50  | 68  | 83  | 100 | 130 | 150 | 170 | 180 | 190 |
| ZAD 3 | 67                                 | 100 | 140 | 170 | 200 | 240 | 270 | 300 | 340 | 380 |