

# 5c-1-2 Float-Type Steam Traps

## Specifications

| DN, mm | PN, MPa | Tmax of the Medium, °C | Body Material, Steel | Working Medium    | Max. Pressure Differential, MPa | Weight without Electric Actuator, kg | Updated | S1, cm2 | S2, cm2 | Torque, N*m |
|--------|---------|------------------------|----------------------|-------------------|---------------------------------|--------------------------------------|---------|---------|---------|-------------|
| 25     | 10      | 450                    | 20                   | Пароводяная смесь | 0,25                            | 52                                   | 0       | 0       | 0       | 0           |

### Legend

**DN** - Nominal Diameter  
**PN** - Nominal Pressure  
**P** - Pressure

**Tmax** - Maximum Design Temperature  
**Мкр** - Spindle Torque  
**t** - Response time  
**μ** - Fluid Flow Coefficient

**h** - Valve Stroke  
**Kv** - Throughput Capability  
**F** - Seat Area  
**ζ** - Resistance Coefficient

The opening or closing of the blocking element of the steam trap is carried out automatically with the help of a float thanks to the difference in densities of the water steam and condensate (2nd group fluid and its vapors).

**According to GOST 356-80, the items designed for the ultimate pressure allow their application on operating parameters within the following range:**

from 10 MPa, 200 °C to 3,6 MPa, 455 °C.

The below table demonstrates technical specifications of the steam traps manufactured by BKZ, LLC.

### Page link:

<https://en.bkzn.ru/catalog/armatura-zapornaya/kondensatootvodchik/5s-1-2/>