

## SANITARY CHECK VALVE SRT10

### DESCRIPTION

The SRT10 all stainless steel disc check valve has a compact design and is specially designed for use with clean steam, hot condensate and other process fluid applications. They are particularly recommended for high purity applications.

### MAIN FEATURES

Compact design.  
Completely machined from bar stock material, no castings or forgings are used on the standard version.

### STANDARD SURFACE FINISH

Internal wetted parts:  $\leq 0,51$  micron Ra – SF1.  
External:  $\leq 0,76$  micron Ra – SF3.  
Other surface conditions see IS PV20.00 E – Technical information.  
Ultrasonic cleaning.

USE: Clean steam, water and other gases and liquids compatible with the construction.

AVAILABLE MODELS: SRTV10 – vertical installation.  
SRTH10 – horizontal installation.

SIZES: 1/2" to 4".

CONNECTIONS: ASME BPE clamp ferrules or tube weld (ETO) ends.  
Others on request.

PACKAGING: Assembling and packaging in a clean room certified according to ISO 14644-1.  
The product is end capped and sealed with recyclable thermo-shrinkable plastic film, to avoid contamination.

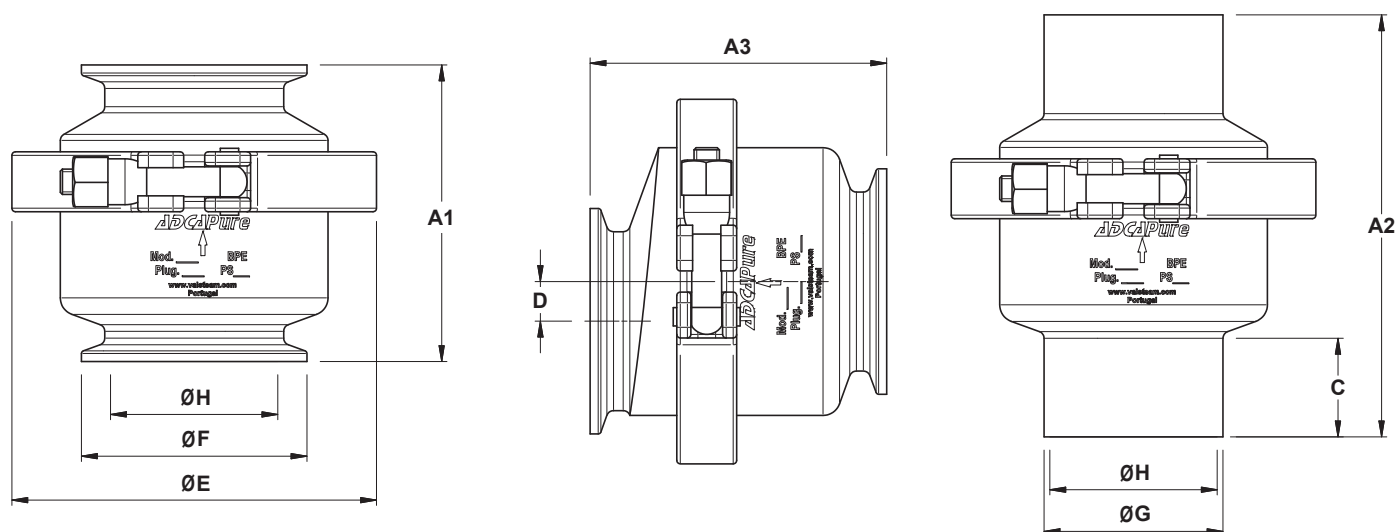
INSTALLATION: Vertical or horizontal according to the selected model and type of fluid.  
See IMI – Installation and maintenance instructions.



| CE MARKING – GROUP 2<br>(PED – European Directive) |          |
|----------------------------------------------------|----------|
| Size                                               | Category |
| 1/2" to 4"                                         | SEP      |

| LIMITING CONDITIONS                                              |         |
|------------------------------------------------------------------|---------|
| Body design conditions                                           | PN 10   |
| Maximum operating temperature (steam and water) – EPDM seals *   | 180 °C  |
| Maximum operating temperature (air and other gases) – EPDM seals | 150 °C  |
| Maximum operating temperature – PTFE seals                       | 200 °C  |
| Minimum operating temperature                                    | - 10 °C |

\* High performance EPDM. Maximum operating temperature of 210 °C, for short periods of time.



| DIMENSIONS (mm) ASME BPE |     |       |     |    |      |     |      |       |       |             |
|--------------------------|-----|-------|-----|----|------|-----|------|-------|-------|-------------|
| SIZE                     | A1  | A2    | A3  | C  | D    | E   | F    | G     | H     | WEIGHT (kg) |
| 1/2"                     | 50  | 88,8  | 50  | 28 | 11,8 | 61  | 25   | 12,7  | 9,4   | 0,4         |
| 3/4"                     | 50  | 91,9  | 50  | 28 | 8,6  | 61  | 25   | 19,05 | 15,8  | 0,5         |
| 1"                       | 60  | 97    | 60  | 28 | 5,5  | 61  | 50,5 | 25,4  | 22,1  | 0,6         |
| 1 1/2"                   | 73  | 112,2 | 73  | 28 | 11,1 | 90  | 50,5 | 38,1  | 34,8  | 1,1         |
| 2"                       | 84  | 119,8 | 84  | 28 | 11,3 | 104 | 64   | 50,8  | 47,5  | 1,4         |
| 2 1/2"                   | 89  | 129   | 89  | 28 | 9,2  | 119 | 77,5 | 63,5  | 60,2  | 1,8         |
| 3"                       | 98  | 141   | 98  | 28 | 11,1 | 134 | 91   | 76,2  | 72,9  | 2,7         |
| 4"                       | 109 | 165,7 | 109 | 36 | 15,6 | 170 | 119  | 101,6 | 97,38 | 4,9         |

Remarks: Face to face dimensions are not standardized. Different dimensions available on request.

| MATERIALS |                   |                                     |
|-----------|-------------------|-------------------------------------|
| POS. N°   | DESIGNATION       | MATERIAL                            |
| 1         | Valve inlet body  | AISI 316L / 1.4404                  |
| 2         | Valve outlet body | AISI 316L / 1.4404                  |
| 3         | Guide plate       | AISI 316L / 1.4404                  |
| 4         | Spring            | AISI 316 / 1.4401 electropolished   |
| 5         | * Valve and stem  | AISI 316L / 1.4404                  |
| 6         | * Valve seal      | High performance EPDM **<br>PTFE ** |
| 7         | * Body seals      | High performance EPDM **<br>PTFE ** |
| 8         | Safety clamp      | AISI 316 / 1.4401                   |
| 9         | Plain bearing     | PTFE                                |

\* Available spare parts; \*\* Others on request.

Remarks: FDA / USP Class VI seals certificate on request.

All valves have a serial number. In case of non-standard valves, this number must be supplied if spare parts are ordered.

