

## ADCA Thermostatic steam trap Type 8980E series TSS22 stainless steel internal thread ISO 7/1 Rp



The Adca series TSS22 is a balanced pressure thermostatic steam trap and deaerator, especially designed for use on process equipment such as sterilisers and other autoclaves, boilers, food, chemical and washing equipment.

The simplicity of design and compact size of this steam trap is well suited to these applications, especially when an all-stainless steel steam trap is required.

### Characteristics

**Series:** TSS22

**Type:** 8980E

**Construction type:** Straight

**Connection:** Binnendraad

**Standard connection:** ISO 7/1 Rp

**Pressure rating:** PN25

**PMA - maximum allowable pressure:** 32 bar

**TMA - maximum allowable temperature:** 385 °C

**PMO - maximum operating pressure:** 22 bar

**TMO - maximum operating temperature:** 250 °C

**Mounting direction:** Horizontal and vertical

**Housing material:** Stainless steel SS 304 [1.4301]

**Material bonnet:** Stainless steel SS 304 [1.4301]

**Material insert:** Stainless steel

**Material filter:** Stainless steel SS 304 [1.4301]

**With built-in filter:** Yes

**Approvals:** PED 2014/68/EU fluid group 2

**PED classification:** PED-SEP

### Application

- Steam.
- Food industry.
- Petrochemical industry.

### Technical Information

- Fill type H – 5°C undercooling.
- Fill type S – 10°C undercooling [standard].
- Fill type L – 30°C undercooling.

### Options

- Thermostat type H - 5 °C subcooling.
- Thermostat type L - 30 °C subcooling.



Size table:

Dimension	LEG00295 mm	B mm	SW mm	Weight kg
1/2"	65	44	27	0.45
1/4"	65	44	27	0.5
1"	65	44	40	0.4
3/4"	65	44	36	0.45
3/8"	65	44	27	0.5

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Model	Size	Capacity <sup>1</sup> table in kg/h														
		dP 0.2 bar	dP 0.3 bar	dP 0.5 bar	dP 1 bar	dP 1.5 bar	dP 2 bar	dP 3 bar	dP 4 bar	dP 6 bar	dP 8 bar	dP 10 bar	dP 13 bar	dP 15 bar	dP 20 bar	dP 22 bar
TSS22 <sup>2</sup>	1/4" - 1"	45	55	70	95	125	135	180	200	270	315	330	360	370	405	415
TSS22H <sup>2</sup>	1/2" - 1"	70	120	140	255	330	385	455	510	600	670	700	720	750	775	795

<sup>1</sup> Capacities shown refer to condensate at 10 °C below saturated steam temperature (standard type-S thermostat).

<sup>2</sup> Capacities for cold condensate discharge at 20 °C are two to three times higher.

Connection size	Nominal inner diameter	Maximum pressure difference bar	Filling	Subcooling °C	Article
1/2" BSP	DN15	22	Type H	5	12997368
1/2" BSP	DN15	22	Type S	10	12723491
1/2" BSP	DN15	22	Type L	30	12952764
1/4" BSP	DN8	22	Type H	5	12995192
1/4" BSP	DN8	22	Type S	10	12723489
1/4" BSP	DN8	22	Type L	30	12997371
1" BSP	DN25	22	Type S	10	12723493
3/4" BSP	DN20	22	Type S	10	12723492
3/8" BSP	DN10	22	Type S	10	12723490

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