

ADCA Bimetallic steam trap Type 2977 series BM32 steel internal thread ISO 7/Rp

Steel bimetallic condensate trap suitable for steam tracers and tank coils in the petrochemical industry, and others, where proper undercooling of the condensate cannot cause damage.

Characteristics

Series: BM32

Type: 2977

Connection: Internal thread

Standard connection: ISO 7/1 Rp

Pressure rating: PN40

PMA - maximum allowable pressure: 40 bar at 50 °C bar

TMA - maximum allowable temperature: 300 °C at 27.6 barg °C

PMO - maximum operating pressure: 32 bar

TMO - maximum operating temperature: 250 °C

With built-in filter: Yes

Material filter: Stainless steel SS 304 [1.4301]

Mounting direction: Any

Flow direction: through arrow marking on housing

Approvals: PED 2014/68/EU fluid group 2

Application

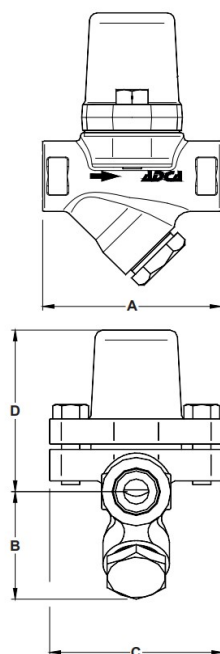
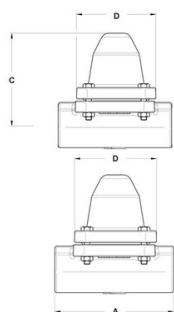
- Saturated steam.
- Superheated steam.

Technical Information

- Horizontal installation recommended, however can be installed in any position.

Options

- Blowdown valve [for steam trap size ½" - 1"].



Size table:

Dimension	A mm	B mm	C mm	D mm	Weight kg
1 1/2"	160		132	115	7.2
1/2"	95	59	95	90	2.1
1"	95	65	95	90	2.1
2"	230		132	115	9.3
3/4"	95	59	95	90	2.1

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Capacity table in kg/h														
Medium	Size	dP 0,5 bar	dP 1 bar	dP 2 bar	dP 4 bar	dP 6 bar	dP 10 bar	dP 12 bar	dP 14 bar	dP 16 bar	dP 18 bar	dP 20 bar	dP 25 bar	dP 32 bar
Steam ¹	½" - 1"	200	300	390	430	510	580	600	620	660	680	800	740	810
Water ²	½" - 1"	700	1000	1300	1530	1750	2050	2150	2250	2360	2480	2550	2750	2900
¹ Condensate 10 °C below saturated steam temperature.														
² Capacity at 20 °C cold water.														

Capacity table in kg/h													
Medium	Size	dP 2 bar	dP 4 bar	dP 6 bar	dP 8 bar	dP 10 bar	dP 12 bar	dP 16 bar	dP 18 bar	dP 20 bar	dP 24 bar	dP 28 bar	dP 32 bar
Steam ¹	1½" - 2"	450	490	550	640	700	730	850	920	980	1050	1100	1150
Water ²	1½" - 2"	1400	1500	1700	1950	2200	2200	2600	2800	2950	3150	3300	3500
¹ Condensate 10 °C below saturated steam temperature.													
² Capacity at 20 °C cold water.													

Housing material	Material quality	Connection size	Nominal inner diameter	Material bonnet	Face to Face length mm	PED classification	Article
Steel	1.0432	1.1/2" BSP	DN40	Steel ASTM A105 [1.0432]	160	PED cat. I	14532261
Steel	1.0460	1/2" BSP	DN15	Steel [1.0460]	95	PED-SEP	14532258
Steel	1.0460	1" BSP	DN25	Steel [1.0460]	95	PED-SEP	14532260
Steel	1.0432	2" BSP	DN50	Steel ASTM A105 [1.0432]	230	PED cat. I	14532262
Steel	1.0460	3/4" BSP	DN20	Steel [1.0460]	95	PED-SEP	14532259

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