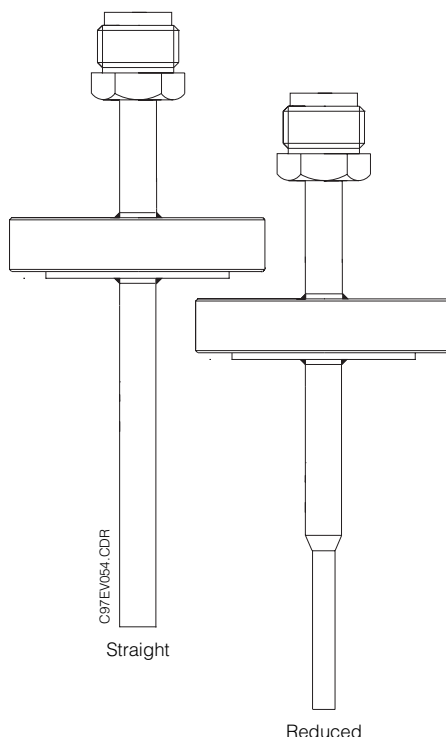


Industrial Protecting Tube *omnigrad TA13*

Medium duty - General purpose
From pipe
Flanged process connection
and extension neck
Also DIN 43763-form F like



Description

TA13 is an industry standard thermowell, manufactured from pipe. The process connection is flanged. The thermowell stem shape can be straight or reduced for fast response time.

The extension, the immersion and the tapering lengths can be chosen according to process requirements. A wide choice of flange types is available; other versions can be ordered according to specification.

Application

TA13 is designed for use with process resistance and thermocouple thermometers mainly in medium duty applications.

Technical data

Pipe

O.D.: 9 and 11 mm
Standard inset diameter: 3 or 6 mm, depending on bottom shape
Standard material: AISI316Ti / W.1.4571 - 11 mm diameter
Hastelloy C276 - 9 mm diameter

Connection to thermometer

Threaded: M24 x 1.5 mm, 1/2" NPT - male

Process connection

Type: flanged weld
Flange type: ANSI blind, DIN 2527 Form C, UNI 6000
Flange material: refer to Order key

Extension length

Standard length: 82 or 145 mm

Tip

Bottom shape: straight or reduced
Bottom thickness: 3 mm

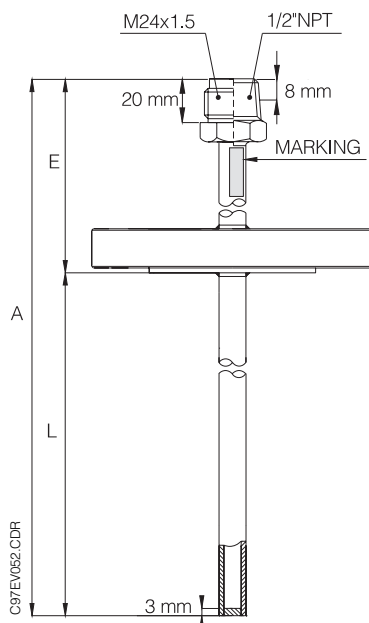
Surface

Finishing: refer to Order key



Order key

- (1) Flange finishing to be selected according to flange type



Straight Thermowell
Ø 9 mm in Hastelloy C276
Ø 11 mm in AISI316Ti/W.1.4571

Ø 9 mm	Ø 11 mm
Hast. C276	AISI316Ti

Table A

Reduced Tip Thermowell

TA13- Thermowell from pipe - Medium duty - General purpose

Flanged process connection - With extension neck

Also DIN 43763-form F like

Head connection

1 - M24 x 1.5

2 - 1/2" NPT

Process connection: flange type - material

AB - Blind 1" ANSI 150 RF - AISI316

AD - Blind 1" ANSI 300 RF - AISI316

NC - DN80 PN40 DIN2527 Form C - AISI316Ti

ND - DN100 PN40 DIN2527 Form C - AISI316Ti

PC - DN25 PN40 DIN2527 Form C - AISI316Ti

PE - DN40 PN40 DIN2527 Form C - AISI316Ti

PG - DN50 PN40 DIN2527 Form C - AISI316Ti

FE - DN10 PN25/40 DIN2527 Form C - AISI316L+Hastelloy C276

EC - DN25 PN25/40 DIN2527 Form C - AISI316L

FF - DN25 PN25/40 DIN2527 Form C - AISI316L+Hastelloy C276

EE - DN40 PN25/40 DIN2527 Form C - AISI316L

FG - DN40 PN25/40 DIN2527 Form C - AISI316L+Hastelloy C276

EG - DN50 PN25/40 DIN2527 Form C - AISI316L

FH - DN50 PN25/40 DIN2527 Form C - AISI316L+Hastelloy C276

GA - DN25 PN10/16 UNI6092/29-6093/29 AISI316

GB - DN25 PN10/16 UNI6092/29-6093/29 A105

GC - DN25 PN25/40 UNI6094/29-6095/29 AISI316

YY - Flange to specification

Flange finishing (1)

2 - Standard for ASME / ANSI

5 - Rz160 DIN 2526

6 - Smooth (125 AARH) for UNI

9 - Special as specified

Extension length E

1 - 145 mm neck

3 - 82 mm neck

8 - mm neck to specification (min.75mm-max.300mm)

9 - mm special neck length

Immersion length L

C - 120 mm

D - 160 mm

F - 250 mm

G - 310 mm

K - 400 mm

M - 580 mm

X - mm length to specification (min.75mm-max.3700mm)

Y - mm special length

Material and pipe size

C - AISI316Ti/W.1.4571 - 11 mm diameter

L - Hastelloy C276 - 9 mm diameter

Y - Material and pipe diameter to specification

Shape of the tip

S - Straight tip, standard response

T - Reduced tip, fast response - see Table A

Y - Special version

TA13- Complete Order Code

Supplementary documentation

- ☐ Industrial Protecting Tubes
Technical Information TI138T/02/en

- ☐ TA730 PTFE thermowell oversheath
Technical Information TI233T/02/en

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