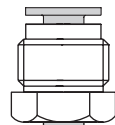
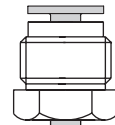


Thermowell Oversheaths *omnigrad TA720, TA722, TA730*

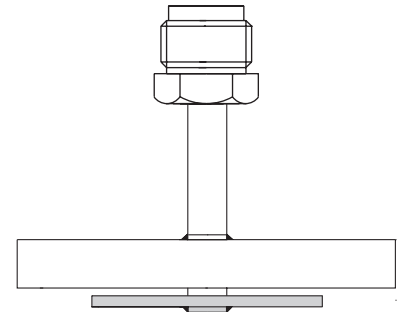
**Special duty - PTFE lined
Protecting oversheaths for
TST720, TST722 and TST130 thermometers**



TA720



TA722



TA730

C97E/07/9/CDR

Description

TA720, TA722 and TA730 are PTFE oversheaths used in conjunction with TST720, TST722 and TST130 thermometers to protect the stainless steel thermowell from corrosion in chemical applications.

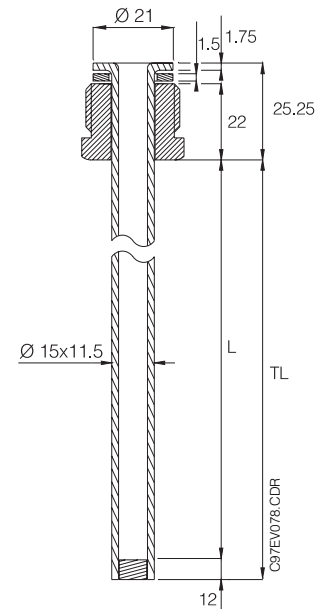
Application

TA720, TA722 and TA730 are designed for use with thermometers for applications in chemical and pharmaceutical industries.

TA720 PTFE overshooth

PTFE overshooth for TST720 thermometer

- Size: 15 x 11.5 mm
- Material: PTFE
- Temperature range: 0°C to +100°C
- Max. operating pressure: TA720 is tested at 2 Bar in continuous service for 8 hours at ambient temperature.
- Response time: according to IEC751, in moving water at 0.4 m/s and in combination with TST720 thermometer:
T₅₀: 170 s
T₉₀: 435 s



TA720

Total length TL overshooth (80 ÷ 3700 mm)(*)

- A - 140 mm (for insertion length L=125 mm)
- B - 195 mm (for insertion length L=180 mm)
- C - 255 mm (for insertion length L=240 mm)
- D - 295 mm (for insertion length L=280 mm)
- E - 355 mm (for insertion length L=340 mm)
- F - 385 mm (for insertion length L=370 mm)
- H - 505 mm (for insertion length L=490 mm)
- K - 535 mm (for insertion length L=520 mm)
- M - 715 mm (for insertion length L=700 mm)
- Y - mm (length L to specification) (1)

Overshoot material

- 1 - Teflon overshooth

TA720- Complete Order Code

Note (1): Use the following formula to calculate the Teflon overshooth total length TL:

$$TL = L + 15 \text{ mm}$$

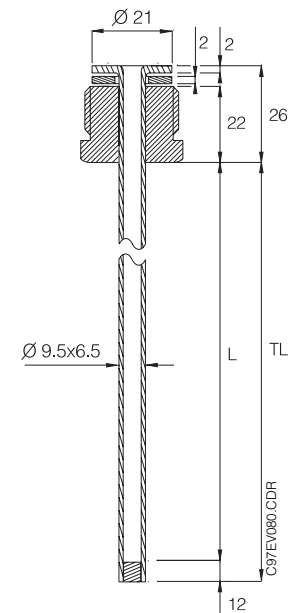
where L is the TST720 insertion length

(*) 150 mm minimum for compression fitting

TA722 PTFE overshooth

PTFE overshooth for TST722 thermometer

- Size: 9.5 x 6.5 mm
- Material: PTFE
- Temperature range: 0°C to +100°C
- Max. operating pressure: TA722 is tested at 2 Bar in continuous service for 8 hours at ambient temperature.
- Response time: according to IEC751, in moving water at 0.4 m/s and in combination with TST722 thermometer:
T₅₀: 58 s
T₉₀: 163 s



TA722

Total length TL overshooth (80 ÷ 3700 mm)(*)

- A - 140 mm (for insertion length L=125 mm)
- B - 195 mm (for insertion length L=180 mm)
- C - 255 mm (for insertion length L=240 mm)
- D - 295 mm (for insertion length L=280 mm)
- E - 355 mm (for insertion length L=340 mm)
- F - 385 mm (for insertion length L=370 mm)
- H - 505 mm (for insertion length L=490 mm)
- K - 535 mm (for insertion length L=520 mm)
- M - 715 mm (for insertion length L=700 mm)
- Y - mm (length L to specification)(1)

Overshoot material

- 1 - Teflon overshooth

TA722- Complete Order Code

Note (1): Use the following formula to calculate the Teflon overshooth total length TL:

$$TL = L + 15 \text{ mm}$$

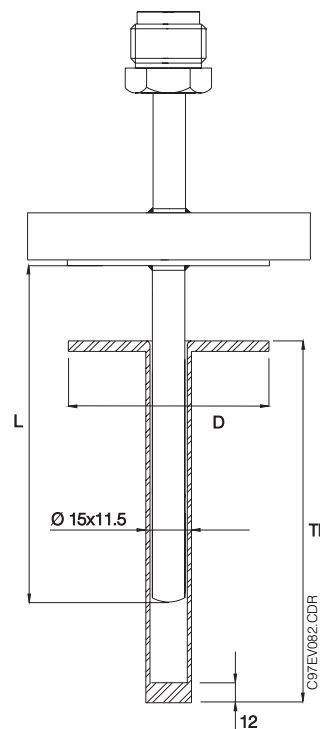
where L is the TST722 insertion length

(*) 150 mm minimum for compression fitting

TA730 PTFE overshooth

PTFE overshooth for TST130 thermometer

- Standard diameters: 15 x 11.5 mm
- Material: PTFE
- Temperature range: 0°C to +100°C
- Max. operating pressure:
TA730 is tested at 2 Bar in continuous service for 8 hours at ambient temperature.
- Response time: according to IEC751, in moving water at 0.4 m/s and in combination with TST130 thermometer:
T₅₀: 170 s
T₉₀: 435 s



TA730

Total length TL overshooth (75 + 3700 mm)

- C - 135 mm (for insertion length L = 120 mm)
- D - 175 mm (for insertion length L = 160 mm)
- F - 265 mm (for insertion length L = 250 mm)
- G - 325 mm (for insertion length L = 310 mm)
- K - 415 mm (for insertion length L = 400 mm)
- M - 595 mm (for insertion length L = 580 mm)
- Y - mm (length L to specification) (1)

Overshoot material

1 - Teflon overshooth

Flange step diameter D (2)

- A - 34.9 mm
- B - 42.9 mm
- C - 50.8 mm
- D - 68 mm
- E - 73 mm
- F - 88 mm
- H - 92.1 mm
- J - 102 mm
- K - 138 mm
- L - 158 mm
- M - 162 mm
- Y - mm to specification

TA730- Complete Order Code

Note (1): Use the following formula to calculate the Teflon overshooth total length TL:

$$TL = L + 15 \text{ mm}$$

where L is the TST130 insertion length

Note (2): See the table for coupling flange reference

Flange type	Disk bottom flange diameter
DN25 PN10, DN25 PN16, DN25 PN25, DN25 PN40, DN25 PN64, DN25 PN100, DN25 PN160, DN25 PN250, DN25 PN320, DN25 PN400	68 mm
DN40 PN10, DN40 PN16, DN40 PN25, DN40 PN40, DN40 PN64, DN40 PN100, DN40 PN160, DN40 PN320, DN40 PN400	88 mm
DN50 PN10, DN50 PN16, DN50 PN25, DN50 PN40, DN50 PN64, DN50 PN100, DN50 PN160, DN50 PN250, DN50 PN320, DN50 PN400	102 mm
DN80 PN10, DN80 PN16, DN80 PN25, DN80 PN40, DN80 PN100, DN80 PN160, DN80 PN250, DN80 PN320, DN80 PN400	138 mm
DN100 PN10, DN100 PN16	158 mm
DN100 PN25, DN100 PN40, DN100 PN64, DN100 PN100, DN100 PN160, DN100 PN250, DN100 PN320, DN100 PN400	162 mm
ANSI 1/2" 150 RF, ANSI 1/2" 300 RF	34.9 mm
ANSI 3/4" 150 RF, ANSI 3/4" 300 RF	42.9 mm
ANSI 1" 150 RF, ANSI 1" 300 RF	50.8 mm
ANSI 1 1/2" 150 RF, ANSI 1 1/2" 300 RF	73 mm
ANSI 2" 150 RF, ANSI 2" 300 RF	92.1 mm

Table A

Supplementary Documentation

- Industrial Protecting Tubes
Technical Information TI138T/02/en
- TST720 RTD thermometer
Technical Information TI185T/02/en
- TST722 RTD thermometer
Technical Information TI208T/02/en
- TST130 RTD thermometer
Technical Information TI062T/02/en

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