

# Thermowell

fabricated typ TW45-F stainless steel  
for dial-thermometer

E 11.01.03

Ed.22.01

|                           |  |
|---------------------------|--|
| <b>Application</b>        | Thermowell with female connection suitable for dial-thermometer with male thread.  |
| <b>Type</b>               | <b>TW45-F</b>  |
| <b>Material</b>           | Stainless steel 1.4571   |
| <b>Design</b>             | Fabricated type  |
| <b>Version</b>            | DIN 43772  |
| <b>Instrument</b>         | Suitable for thermometer<br>with male thread or compression fitting<br>Suitable for resistance thermometer TR-10-B with neck   |
| <b>For sensor</b>         | Suitable sensor $\varnothing$ 6, $\varnothing$ 8 or $\varnothing$ 10 mm  |
| <b>Upper connection</b>   | G1/2" female connection<br>Option with G3/4" or 1/2"NPT  |
| <b>Process connection</b> | G1/2" male thread<br>Option with G3/4" or 1/2"NPT  |
| <b>Inside diameter</b>    | Inside dim $\varnothing$ 6,2 mm, $\varnothing$ 7 mm, $\varnothing$ 8,2 mm or $\varnothing$ 10,2 mm<br>Suitable for sensor $\varnothing$ 6, $\varnothing$ 8 or $\varnothing$ 10 mm              |
| <b>Outside diameter</b>   | Outside dim $\varnothing$ 8 mm, $\varnothing$ 9 mm, $\varnothing$ 10 mm or $\varnothing$ 12 mm   |
| <b>Insertion length</b>   | U1-length from 32 mm to 382 mm - se table  |
| <b>Certificate</b>        | Option with material certificate<br>Inspection certificate DIN EN 10204 3.1<br>Material certificate: Wetted parts material (metal contents)<br>with mill certificate incl. chemical analysis   |
| <b>Working limit</b>      | Pressure max 25 bar, temperature max +300°C<br>Ratings depends on process medium, process pressure,<br>process temperature, flow rate, vibrations, insertion length,<br>material and dimension |



Example for thermometer och resistance thermometer  
with thermowell TW45-F of stainless steel 1.4571



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## Standard design G1/2 x G1/2

| U1  | Ø d1 | Ø F1 | B   | L1-length<br>thermometer | Best.nr  |
|-----|------|------|-----|--------------------------|----------|
| 82  | 6,2  | 8    | 0,9 | 100                      | 72700520 |
| 32  | 7    | 9    | 1   | 50                       | 72700506 |
| 50  | 7    | 9    | 1   | 65                       | 72700507 |
| 100 | 7    | 9    | 1   | 120                      | 72700509 |
| 142 | 7    | 9    | 1   | 160                      | 72700514 |
| 182 | 7    | 9    | 1   | 200                      | 72700516 |
| 82  | 7    | 12   | 2,5 | 100                      | 72700508 |
| 100 | 7    | 12   | 2,5 | 120                      | 72700510 |
| 132 | 7    | 12   | 2,5 | 150                      | 72700512 |
| 250 | 7    | 12   | 2,5 | 270                      | 72700519 |
| 32  | 8,2  | 10   | 0,9 | 50                       | 72700706 |
| 50  | 8,2  | 10   | 0,9 | 65                       | 72700707 |
| 82  | 8,2  | 10   | 0,9 | 100                      | 72700708 |
| 100 | 8,2  | 10   | 0,9 | 120                      | 72700709 |
| 102 | 8,2  | 10   | 0,9 | 120                      | 72700710 |
| 132 | 8,2  | 10   | 0,9 | 150                      | 72700712 |
| 142 | 8,2  | 10   | 0,9 | 160                      | 72700714 |
| 182 | 8,2  | 10   | 0,9 | 200                      | 72700716 |
| 232 | 8,2  | 10   | 0,9 | 250                      | 72700718 |
| 282 | 8,2  | 10   | 0,9 | 300                      | 72700721 |
| 382 | 8,2  | 10   | 0,9 | 400                      | 72700723 |
| 65  | 10,2 | 12   | 0,9 | 85                       | 72700807 |
| 82  | 10,2 | 12   | 0,9 | 100                      | 72700808 |
| 100 | 10,2 | 12   | 0,9 | 120                      | 72700809 |
| 102 | 10,2 | 12   | 0,9 | 120                      | 72700810 |
| 132 | 10,2 | 12   | 0,9 | 150                      | 72700812 |
| 142 | 10,2 | 12   | 0,9 | 160                      | 72700814 |
| 182 | 10,2 | 12   | 0,9 | 200                      | 72700816 |
| 282 | 10,2 | 12   | 0,9 | 300                      | 72700821 |
| 382 | 10,2 | 12   | 0,9 | 400                      | 72700823 |

