

Threaded Welded Thermowell YPTW

THREADED WELDED THERMOWELL YPTW Material - stainless steel (see Appendix - Sheath materials) Application - with temperature gauges and TS probes	DIMENSIONS *															
	E	SW	K1	N	H2 [mm]	H1 [mm]	F1 [mm]	F3 [mm]								
<p>STANDARD TIP</p> <p>Manufactured from solid HEX or round bar</p> <p>$U = 50...1500 \text{ mm}$</p> <p>$L = U + K1 + H1$</p> <p>$S = 1...3 \text{ mm}$</p>	M20x1.5; G1/2"	27	14	M14x1.5; G3/8"	15	20...100	10, 12, 14, 1/8", 1/4"	= F1								
				M18x1.5	20	25...100										
				M20x1.5; G1/2"	20	25...100										
	M27x2; G3/4"	32	16	M14x1.5; G3/8"	15	20...100	10, 12, 14, 16, 18, 1/8", 1/4", 3/8"									
				M18x1.5	20	25...100										
				M20x1.5; G1/2"	20	25...100										
	M27x2; G3/4"	32	16	M27x2; G3/4"	25	30...100										
				M14x1.5; G3/8"	15	20...100										
				M18x1.5	20	25...100										
	M33x2; G1"	36	18	M20x1.5; G1/2"	20	25...100	10, 12, 14, 16, 18, 20, 1/8", 1/4", 3/8", 1/2"									
				M27x2; G3/4"	25	30...100										
				M33x2; G1"	30	35...100										
	1/2" NPT	27	25	3/8" NPT	15	20...100	10, 12, 14, 1/8", 1/4"									
				1/2" NPT	20	25...100										
	3/4" NPT	32	25	3/8" NPT	15	20...100	10, 12, 14, 16, 18, 1/8", 1/4", 3/8"									
1/2" NPT				20	25...100											
3/4" NPT	32	25	3/4" NPT	25	30...100											
			1" NPT	30	35...100											
1" NPT	36	25	3/8" NPT	15	20...100	10, 12, 14, 16, 18, 20, 1/8", 1/4", 3/8", 1/2"										
			1/2" NPT	20	25...100											
1" NPT	36	25	3/4" NPT	25	30...100											
			1" NPT	30	35...100											
<p>NARROWED TIP</p> <p>Manufactured from solid HEX or round bar</p> <p>$U = 50...1500 \text{ mm}$</p> <p>$L = U + K1 + H1$</p> <p>$S = 1...3 \text{ mm}$</p> <p>$S1 = 1...2 \text{ mm}$</p>	M20x1.5; G1/2"	27	14	M14x1.5; G3/8"	15	20...100	10, 12, 14, 1/8", 1/4"	8, 10								
				M18x1.5	20	25...100										
				M20x1.5; G1/2"	20	25...100										
	M27x2; G3/4"	32	16	M14x1.5; G3/8"	15	20...100	10, 12, 14, 16, 18, 1/8", 1/4", 3/8"									
				M18x1.5	20	25...100										
				M20x1.5; G1/2"	20	25...100										
	M27x2; G3/4"	32	16	M27x2; G3/4"	25	30...100										
				M14x1.5; G3/8"	15	20...100										
				M18x1.5	20	25...100										
	M33x2; G1"	36	18	M20x1.5; G1/2"	20	25...100	10, 12, 14, 16, 18, 20, 1/8", 1/4", 3/8", 1/2"									
				M27x2; G3/4"	25	30...100										
				M33x2; G1"	30	35...100										
	1/2" NPT	27	25	3/8" NPT	15	20...100	10, 12, 14, 1/8", 1/4"									
				1/2" NPT	20	25...100										
	3/4" NPT	32	25	3/8" NPT	15	20...100	10, 12, 14, 16, 18, 1/8", 1/4", 3/8"									
1/2" NPT				20	25...100											
3/4" NPT	32	25	3/4" NPT	25	30...100											
			1" NPT	30	35...100											
1" NPT	36	25	3/8" NPT	15	20...100	10, 12, 14, 16, 18, 20, 1/8", 1/4", 3/8", 1/2"										
			1/2" NPT	20	25...100											
1" NPT	36	25	3/4" NPT	25	30...100											
			1" NPT	30	35...100											
<p>Probe diameter: $d \leq (F3 - 2 \cdot S) - 1$</p> <p>Probe thread: $G = N$</p> <p>Probe length (incl. thread): fixed: $n = 0.98 \cdot L - e$ (DIN) or $0.98 \cdot L - e + 0.5 \cdot H2$ (NPT) spring-loaded: $n \approx L - e$ (DIN) or $L - e + 0.5 \cdot H2$ (NPT)</p> <p>Maximum temperature: 850 °C</p>							<p>MAXIMUM PRESSURE</p> <table border="1"> <thead> <tr> <th>S(S1) [mm]</th> <th>P [bar]</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>16</td> </tr> <tr> <td>1.5 (2)</td> <td>25</td> </tr> <tr> <td>2.5 (3)</td> <td>40</td> </tr> </tbody> </table>		S(S1) [mm]	P [bar]	1	16	1.5 (2)	25	2.5 (3)	40
S(S1) [mm]	P [bar]															
1	16															
1.5 (2)	25															
2.5 (3)	40															
* Other dimensions are available on request. Please contact COMECO!																

COMECO reserves the right of changing specifications without prior notice!

Ordering code YPTW - G4.G6.G7.G9'G9".G10.G14

Code	Feature or option	Code values
G4	Tube diameter 'F1' [mm]	10, 12, 14, 16, 18, 20, 1/8" ⁽²⁾ , 1/4" ⁽²⁾ , 3/8" ⁽²⁾ , 1/2" ⁽²⁾
G6	Length 'U' [mm]	50...1500 (see table overleaf)
G7	Length 'H1' [mm] ⁽¹⁾	20...100 (see table overleaf) ⁽¹⁾
G9'	Connection thread 'E' ⁽¹⁾	X - none ⁽²⁾ , Q2 - M20x1.5, Q4 - G1/2", Q5 - M27x2, Q6 - G3/4", Q10 - 1/2" NPT, Q11 - 3/4" NPT, Q12 - G1", Q15 - 1" NPT, Q25 - M33x2, Z - other (specify!)
G9"	Probe thread 'N' ⁽¹⁾	X - none ⁽²⁾ , U1 - M18x1.5, U2 - M20x1.5, U3 - G3/8", U4 - G1/2", U5 - M27x2, U6 - G3/4", U8 - M14x1.5, U9 - 3/8" NPT, U10 - 1/2" NPT, U11 - 3/4" NPT, U12 - G1", U15 - 1" NPT, U25 - M33x2, Z - other (specify!)
G10	Material	M1 - 1.4301, M2 - 1.4541 ⁽²⁾ , M3 - 1.4571 ⁽²⁾ , M9 - 1.4404 or 1.4435, Z - other (specify!) ⁽²⁾
G14	Tip shape	X - standard closed, N - narrowed

⁽¹⁾ Applicable for the selected tube diameter 'F1'

⁽²⁾ Contact COMECO!