THERMOWELLS: MAXIMUM ALLOWABLE WORKING PRESSURE

Flanged Thermowells
Class 150, 300, and 600

MATERIAL		ORDER CODE	MAXIMUM ALLOWABLE WORKING PRESSURE - (MAWP)						TEMPERATURE RANGE			
			FLANGED									
ASTM FLANGE SPECIFICATION	TYPE/ TRADENAME		CLASS 150		CLASS 300		CLASS 600		C		F	
			@MIN TEMP	@MAX TEMP	@MIN TEMP	@MAX TEMP	@MIN TEMP	@MAX TEMP	MIN	MAX	MIN	MAX
A182 Gr. 304/304L	304/304L	09	275 psi	20 psi	720 psi	355 psi	1440 psi	710 psi	-28 C	538 C	-20 F	1000 F
A182 Gr. 316/316L	316/316L	08	275 psi	20 psi	720 psi	365 psi	1440 psi	725 psi	-28 C	538 C	-20 F	1000 F
A185 Gr. F347	347	36	275 psi	20 psi	720 psi	365 psi	1440 psi	725 psi	-28 C	538 C	-20 F	1000 F
A105	A105	61	285 psi	50 psi	740 psi	230 psi	1480 psi	460 psi	-28 C	482 C	-20 F	900 F
B564 Gr. N04400	Alloy 400	27	230 psi	50 psi	600 psi	275 psi	1200 psi	550 psi	-28 C	482 C	-20 F	900 F
B462 Gr. N10276	Alloy C276	29	290 psi	20 psi	750 psi	365 psi	1500 psi	725 psi	-28 C	538 C	-20 F	1000 F
B462 Gr. N08020	Alloy 20	38	290 psi	80 psi	750 psi	510 psi	1500 psi	1015 psi	-28 C	425 C	-20 F	800 F
B564 Gr. N06600	Alloy 600	03	290 psi	20 psi - 1000 F	750 psi	70 psi	1500 psi	135 psi	-28 C	650 C	-20 F	1200 F
B564 Gr. N08800	Alloy 800	37	275 psi	20 psi - 1000 F	720 psi	325 psi	1440 psi	645 psi	-28 C	593 C	-20 F	1100 F

- These tables are for reference only. Other design factors should be taken into consideration in addition to temperature and pressure, such as vibration, corrosion, and installation method.
- MAWP data for materials and temperatures not shown on this table is available upon request.

Flanged Thermowells
Class 900 and 1500

MATERIAL		ORDER CODE	MAXIMUM ALLOWABLE WORKING PRESSURE - (MAWP)				TEMPERATURE RANGE			
			FLANGED							
ASTM FLANGE SPECIFICATION	TYPE/ TRADENAME		CLASS 900		CLASS 1500		C		F	
			@MIN TEMP	@MAX TEMP	@MIN TEMP	@MAX TEMP	MIN	MAX	MIN	MAX
A182 Gr. 304/304L	304/304L	09	2160 psi	1065 psi	3600 psi	1770 psi	-28 C	538 C	-20 F	1000 F
A182 Gr. 316/316L	316/316L	08	2160 psi	1090 psi	3600 psi	1820 psi	-28 C	538 C	-20 F	1000 F
A185 Gr. F347	347	36	2160 psi	1090 psi	3600 psi	1820 psi	-28 C	538 C	-20 F	1000 F
A105	A105	61	2220 psi	690 psi	3705 psi	1150 psi	-28 C	482 C	-20 F	900 F
B564 Gr. N04400	Alloy 400	27	1800 psi	825 psi	3000 psi	1370 psi	-28 C	482 C	-20 F	900 F
B462 Gr. N10276	Alloy C276	29	2250 psi	1090 psi	3750 psi	1820 psi	-28 C	538 C	-20 F	1000 F
B462 Gr. N08020	Alloy 20	38	2250 psi	1525 psi	3750 psi	2540 psi	-28 C	425 C	-20 F	800 F
B564 Gr. N06600	Alloy 600	03	2250 psi	205 psi	3750 psi	345 psi	-28 C	650 C	-20 F	1200 F
B564 Gr. N08800	Alloy 800	37	2160 psi	965 psi	3600 psi	1610 psi	-28 C	593 C	-20 F	1100 F

- These tables are for reference only. Other design factors should be taken into consideration in addition to temperature and pressure, such as vibration, corrosion, and installation method.
- MAWP data for materials and temperatures not shown on this table is available upon request.