

TABLE 2.1
TEMPERATURE/PRESSURE RATINGS FOR FLANGES OF CARBON
STEEL AND CARBON-MANGANESE STEEL

Flange	Pressure, kPa												Maximum allowable hydrostatic test pressure kPa
	Temperature, °C												
Table	-18 to 120	-50 to 232	250	275	300	325	350	375	400	425	450	475	
A	300	170*	---	---	---	---	---	---	---	---	---	---	525
D	---	700	650	600	570	550	500	450	400	350	---	---	1 050
E	---	1 400	1 300	1 200	1 100	1 000	950	900	800	700	---	---	2 100
F	---	2 100	2 000	1 800	1 700	1 600	1 400	1 300	1 200	1 000	---	---	3 150
H	---	3 500	3 300	3 100	2 900	2 600	2 400	2 200	2 000	1 700	1 300	900	5 250
J	---	4 800	4 600	4 300	4 000	3 700	3 400	3 100	2 700	2 400	1 900	1 300	7 200
K	---	6 200	5 900	5 500	5 100	4 700	4 300	3 900	3 500	3 100	2 400	1 600	9 300
R	---	8 300	7 900	7 400	6 800	6 300	5 800	5 200	4 700	4 200	3 200	2 200	12 450
S	---	12 400	11 800	11 100	10 300	9 500	8 700	7 900	7 100	6 300	4 800	3 300	18 600
T	---	19 300	18 400	17 200	16 000	14 700	13 500	12 200	11 000	9 800	7 500	5 100	28 950

*This rating applies to temperatures greater than 120 °C but less than 232 °C and does not apply to flange sizes greater than 900 nominal size.