

DESCRIPTION

The pressure rating defines the maximum allowable pressure that a flange can withstand at defined temperatures. According to the ANSI/ASME B16.5 specification, there are the following seven flange pressure classes: Class 150#, Class 300#, Class 400#, Class 600#, Class 900#, Class 1500# and Class 2500#.

In the table shown, these ANSI flange pressure ratings are assigned to the nominal pressure. The respective operating pressures, depending on the material and temperature, can be found in the corresponding pressure-temperature ratings.

The terms „pressure rating“, „class“, „#“, „Lb“ or „Lbs“ are not fixed, these all refer to the pressure-temperature rating of a flange.

ANSI Class Rating	Nominal pressure in bar
Class 150#	20
Class 300#	50
Class 400#	64
Class 600#	100
Class 900#	150
Class 1500#	250
Class 2500#	420