

## Working Pressure

 [buteline.com/nz/nz/buteline/technical-information/working-pressure](https://buteline.com/nz/nz/buteline/technical-information/working-pressure)

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As stipulated in ISO 10508, the lifetime of Polybutene-1 (PB-1) pipe is 50 years and longer, according to permissible working pressure/temperature, as shown below:

### Pipe Pressure / Temperature Rating for Polybutene-1 PN 16 (Working Pressures)

Temperature	Pressure		
°C	kPa	P.S.I.	Bar
20	1600	232	16.0
40	1370	198	13.7
60	1050	152	10.5
70	880	128	8.8
80	740	108	7.4
95	490	72	4.9

*\* Note: Buteline PB-1 pipe has a maximum long term operating temperature of 80°C.*

***PB-1 pipe is not recommended for applications where the continuous operating temperature may exceed this limit.***

Buteline will not guarantee its PB-1 pipe and fitting system where long term operating may exceed 80°C.

Buteline recommends that an expansion valve be incorporated in all high pressure hot water systems.