

# ABS PRESSURE PIPE

ABS

## MANUFACTURING STANDARDS

ABS products are generally manufactured in accordance with the following standards:

Primeline Pipe BS5391 Part 1

Fittings BS5392 Part 1

Threaded Fittings BS21, DIN2999, ISO7

Unless otherwise stated ABS Pressure Fittings have the following pressure ratings:

Solvent Weld – 1/2" to 8" = Class E/15 bar

10" = Class D/12 bar

Threaded = Class D/12 bar

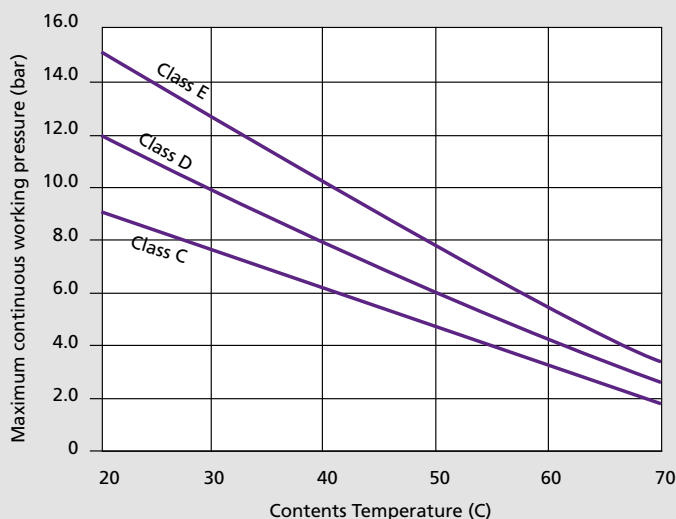
\* All quoted at 20°C

## ABS SYSTEM PRESSURE / TEMPERATURE RELATIONSHIP

Pressure ratings for plastic pipework systems are always quoted at 20°C, it is a fundamental principle of such systems that if the temperature is increased then the pressure rating must be reduced.

ABS systems should never be used for temperatures in excess of 70°C.

The following chart gives a rough guide as to the pressure/temperature relationship of ABS pipework systems.



In above ground installations it is essential to provide support to ensure that the weight of the pipe and its contents are adequately supported. The following recommended maximum spacings are for ABS pipes operating under the following conditions:

1. Fluid density of not more than 1g/cm<sup>3</sup>
2. PN15 pipe
3. Horizontal pipe runs

## ABS PIPEWORK SUPPORT CENTRES

NOMINAL BORE	20°C 50°C 70°C		
	SPACING GIVEN IN METRES		
3/8"	0.8	0.5	0.4
1/2"	0.9	0.6	0.5
3/4"	1.0	0.7	0.6
1"	1.1	0.8	0.7
1 1/4"	1.2	0.9	0.7
1 1/2"	1.3	1.0	0.7
2"	1.4	1.1	0.8
2 1/2"	1.5	1.2	0.8
3"	1.6	1.2	0.9
4"	1.8	1.3	1.0
5"	2.0	1.5	1.1
6"	2.1	1.6	1.2
8"	2.3	1.8	1.5

FOR VERTICAL PIPE RUNS SPACING SHOULD BE INCREASED BY 50%.

## DIMENSIONS IN MM

NOMINAL BORE	MEAN O.D.	NOMINAL BORE	MEAN O.D.
1/2"	21.4	2 1/2"	75.2
3/4"	26.7	3"	88.9
1"	33.6	4"	114.3
1 1/4"	42.2	5"	140.2
1 1/2"	48.3	6"	168.3
2"	60.3	8"	219.1



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