

# Allowable Working Pressures

**Table 9.1: Allowable working pressures [bar] for conveying water in Pexgol pipes, with a safety factor C = 1.25**

Design Temperature (°C)	Class 6	Class 8	Class 10	Class 12	Class 15	Class 19	Class 24	Class 30
	Pipe Series (S)							
	12.5	10	7.6	6.3	5	4	3.2	2.5
	Standard Dimension Ratio (SDR)							
	26	21	16.2	13.6	11	9	7.4	6
10 °	6.8	8.5	11.2	13.5	17.0	21.4	26.9	33.9
20 °	6.0	7.6	9.9	11.9	15.0	18.9	23.8	30.0
30 °	5.3	6.7	8.8	10.6	13.3	16.8	21.1	26.6
40 °	4.7	5.9	7.8	9.4	11.8	14.9	18.7	23.6
50 °	4.1	5.2	7.0	8.3	10.5	13.2	16.7	21.1
60 °	3.8	4.8	6.3	7.5	9.5	11.9	15.0	18.9
70 °	3.4	4.3	5.6	6.7	8.5	10.7	13.4	16.9
80 °	3.0	3.8	5.1	6.1	7.5	9.5	12.0	15.1
90 °	2.7	3.4	4.5	5.4	6.8	8.6	10.9	13.7
95 °	2.6	3.2	4.1	4.9	6.4	8.1	10.3	12.9
100 °	2.1	2.7	3.5	4.2	5.5	7.0	9.0	11.2
105 °	1.8	2.2	2.8	3.4	4.5	5.5	7.0	8.7
110 °	1.5	1.9	2.4	2.9	3.8	4.7	5.9	7.5

**Table 9.2: Allowable working pressures [psi] for conveying water in Pexgol pipes, with a design factor DF = 0.8; safety factor C = 1.25**

Design Temperature		Class 6	Class 8	Class 10	Class 12	Class 15	Class 19	Class 24	Class 30
°C	°F	12.5	10	7.6	6.3	5	4	3.2	2.5
		26	21	16.2	13.6	11	9	7.4	6
10	50	99	123	162	196	247	310	390	491
21	70	83	105	137	164	207	261	329	414
32	90	72	91	120	144	181	228	287	361
38	100	72	90	119	143	180	227	285	360
49	120	61	77	104	123	155	195	247	311
60	140	55	70	91	109	138	173	218	274
71	160	49	61	80	96	122	153	192	241
82	180	42	54	72	86	106	134	170	214
88	190	40	50	67	80	101	128	162	204
93	200	39	47	61	73	95	120	153	192
99	210	31	40	51	62	81	103	132	164
104,5	220	26	32	41	50	66	81	102	127
110	230	22	28	35	42	55	68	86	108