Work in Compressed Air Regulations 1996

Approved decompression tables - August 2001

Part 1 Decompression from pressures of 0.7 - 0.95 bar.

1 The compressed air contractor may use either the oxygen or air decompression table. Where an 'Exposure Period' appears on two lines, the longer duration of 'Total decompression period (min)' should be used.

Oxygen decompression table

2 Oxygen should be breathed at stage pressures of 0.6 bar and below (columns shaded and with bold type in tables).There should be an air break of five minutes after every 20 minutes of oxygen breathing. The rate of change of pressure should be 0.4 bar/minute.

Table	Maximum working pressure (bar)	Exposure period (h)	Time (minutes) at Stage Pressure of:									Total decompression period (min)	Line No.
			1.8	1.6	1.4	1.2	1.0	0.8	**0.6**	**0.4**	**0.2**		
A	0.7 - 0.8	0-3.0										2	1
		3.0-8.5										2	2
B	0.85 - 0.9	0-3.0										2	1
		3.0-8.5									**15**	17	2
C	0.95	0-3.0										2	1
		3.0-8.5								**10**	**10**	22	2

Air decompression table - Air only decompression: No oxygen breathing

Table	Maximum working pressure (bar)	Exposure period (h)	Time (minutes) at stage pressure of:									Total decompression period (min)	Line No.
			1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4	0.2		
D	0.7 - 0.8	0-3.0										2	1
		3.0-8.5										2	2
E	0.85 - 0.9	0-3.0										2	1
		3.0-8.5								20	30	52	2
F	0.95	0-3.0										2	1
		3.0-8.5								40	60	102	2

Part 2 Oxygen decompression from pressures of 1.0 bar and over

3 Oxygen should be breathed at stage pressures of 0.6 bar and below (columns shaded and with bold type in tables). There should be an air break of five minutes after every 20 minutes of oxygen breathing. The rate of change of pressure should be 0.4 bar/minute.

Table No.	Maximum working pressure (bar)	Exposure period (h)	Time (minutes) at stage pressure of:									Total decompression period (min)	Line No.
			1.8	1.6	1.4	1.2	1.0	0.8	**0.6**	**0.4**	**0.2**		
1	1.0 - 1.15	0-0.5										3	1
		0.5-1.0										3	2
		1.0-1.5										3	3
		1.5-2.0									**5**	8	4
		2.0-2.5									**5**	8	5
		2.5-3.0									**10**	13	6
		3.0-4.0									**15**	18	7
		4.0-8.5									**20**	23	8
2	1.2-1.35	0-0.5										4	1
		0.5-1.0										4	2
		1.0-1.5									**5**	9	3
		1.5-2.0									**10**	14	4
		2.0-2.5									**20**	24	5
		2.5-3.0								**5**	**20**	29	6
		3.0-4.0								**5**	**30**	39	7
		4.0-8.5								**5**	**35**	44	8
3	1.4-1.55	0-0.5										4	1
		0.5-1.0									**5**	9	2
		1.0-1.5									**10**	14	3
		1.5-2.0								**5**	**20**	29	4
		2.0-2.5								**5**	**30**	39	5
		2.5-3.0								**10**	**35**	49	6
		3.0-4.0								**15**	**40**	59	7
		4.0-8.5							**5**	**20**	**40**	69	8

Table No.	Maximum working pressure (bar)	Exposure period (h)	Time (minutes) at stage pressure of:									Total decompression period (min)	Line No.
			1.8	1.6	1.4	1.2	1.0	0.8	**0.6**	**0.4**	**0.2**		
4	1.6-1.75	0-0.5										5	1
		0.5-1.0									**5**	10	2
		1.0-1.5								**5**	**15**	25	3
		1.5-2.0								**10**	**30**	45	4
		2.0-2.5								**15**	**40**	60	5
		2.5-3.0							**5**	**20**	**40**	70	6
		3.0-4.0							**5**	**25**	**45**	80	7
		4.0-8.5							**10**	**30**	**45**	90	8
5	1.8-1.95	0-0.5										5	1
		0.5-1.0									**10**	15	2
		1.0-1.5								**5**	**30**	40	3
		1.5-2.0							**5**	**15**	**35**	60	4
		2.0-2.5							**5**	**25**	**40**	75	5
		2.5-3.0							**10**	**30**	**40**	85	6
		3.0-4.0						5	**15**	**30**	**45**	100	7
		4.0-8.0						5	**20**	**35**	**45**	110	8
6	2.0-2.15	0-0.5									**5**	11	1
		0.5-1.0								**5**	**15**	26	2
		1.0-1.5							**5**	**10**	**35**	56	3
		1.5-2.0							**5**	**25**	**40**	76	4
		2.0-2.5						5	**10**	**30**	**45**	96	5
		2.5-3.0						5	**15**	**35**	**45**	106	6
		3.0-4.0						10	**20**	**35**	**45**	116	7
		4.0-7.75					5	10	**25**	**40**	**50**	136	8
7	2.2-2.35	0-0.5									**5**	11	1
		0.5-1.0								**5**	**20**	31	2
		1.0-1.5							**5**	**20**	**35**	66	3
		1.5-2.0						5	**10**	**30**	**40**	91	4

Table No.	Maximum working pressure (bar)	Exposure period (h)	Time (minutes) at stage pressure of:									Total decompression period (min)	Line No.
			1.8	1.6	1.4	1.2	1.0	0.8	**0.6**	**0.4**	**0.2**		
		2.0-2.5						5	**20**	**35**	**45**	111	5
		2.5-3.0						10	**25**	**35**	**45**	121	6
		3.0-4.0					5	15	**25**	**40**	**45**	136	7
		4.0-7.25					10	20	**30**	**40**	**55**	161	8
8	2.4-2.55	0-0.5									**5**	12	1
		0.5-1.0								**10**	**25**	42	2
		1.0-1.5							**10**	**25**	**40**	82	3
		1.5-2.0						5	**20**	**35**	**40**	107	4
		2.0-2.5					5	10	**25**	**35**	**45**	127	5
		2.5-3.0					5	15	**30**	**35**	**45**	137	6
		3.0-4.0				5	5	25	**30**	**40**	**45**	157	7
		4.0-6.75				5	15	25	**30**	**45**	**60**	187	8
9	2.6-2.75	0-0.5									**5**	12	1
		0.5-1.0							**5**	**10**	**35**	57	2
		1.0-1.5						5	**10**	**30**	**45**	97	3
		1.5-2.0					5	10	**25**	**35**	**45**	127	4
		2.0-2.5					5	20	**30**	**35**	**45**	142	5
		2.5-3.0				5	10	20	**30**	**35**	**45**	152	6
		3.0-4.0				5	15	25	**30**	**40**	**45**	167	7
		4.0-6.5			5	10	20	25	**30**	**45**	**70**	212	8
10	2.8-2.95	0-0.5								**5**	**5**	18	1
		0.5-1.0							**5**	**15**	**40**	68	2
		1.0-1.5						5	**20**	**35**	**45**	113	3
		1.5-2.0					5	15	**30**	**35**	**45**	138	4
		2.0-2.5				5	10	20	**30**	**35**	**45**	153	5
		2.5-3.0				5	20	25	**30**	**35**	**45**	168	6
		3.0-4.0			5	10	20	25	**30**	**40**	**45**	183	7
		4.0-5.75			10	15	20	30	**40**	**50**	**80**	253	8

Table No.	Maximum working pressure (bar)	Exposure period (h)	Time (minutes) at stage pressure of:									Total decompression period (min)	Line No.
			1.8	1.6	1.4	1.2	1.0	0.8	**0.6**	**0.4**	**0.2**		
11	3.0-3.15	0-0.5								**5**	**5**	18	1
		0.5-1.0						5	**5**	**20**	**40**	78	2
		1.0-1.5					5	10	**20**	**35**	**45**	123	3
		1.5-2.0				5	10	20	**30**	**35**	**45**	153	4
		2.0-2.5			5	5	15	25	**30**	**35**	**45**	168	5
		2.5-3.0			5	10	20	25	**30**	**40**	**45**	183	6
		3.0-4.0		5	5	15	25	25	**30**	**40**	**45**	198	7
		4.0-5.0		5	15	15	25	30	**45**	**55**	**100**	298	8
12	3.2-3.45	0-0.5								**5**	**10**	24	1
		0.5-1.0						5	**10**	**25**	**40**	89	2
		1.0-1.5					5	15	**25**	**35**	**45**	134	3
		1.5-2.0				5	15	25	**30**	**35**	**45**	164	4
		2.0-2.5			5	10	20	25	**30**	**40**	**45**	184	5
		2.5-3.0		5	5	15	25	25	**30**	**40**	**45**	199	6
		3.0-4.0		5	15	20	25	30	**30**	**40**	**45**	219	7
		4.0-4.25	5	10	15	20	25	35	**45**	**60**	**120**	344	8