

Fill Chart Metric - Rev. B

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Instructions

Find your desired mix and pressure in the chart.
Write down the O2/He.
Find your current mix and pressure.
Subtract the O2/He from the O2/He of the desired mix.
Add your fudge factors.
Mix, analyze and dive!

Fudge factors

He Add 15%
O2 Add 10%

Bottom mixes

10-100 3-30m 32% or 30/30 (O2/He)
110-150 33-45m 21/35 (O2/He)
160-200 48-60m 18/45 (O2/He)
210-250 63-75m 15/55 (O2/He)
260-400 78-121m 10/70 (O2/He)

Decompression mixes

20 6m 100% Oxygen
70 21m 50% Oxygen
120 36m 35/25 (O2/He)
190 57m 21/35 (O2/He)

Formulas for special mixes

Add He = $\text{He\%} / 100 * \text{Pressure}$
Add O2 = $(\text{O2\%} - 21) / 79 * \text{Pressure} + \text{Added He} * 21 / 79$

Pressure (bar)

| O2 | He | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | O2 | He |
|----|----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|
| 10 | 90 | 1 9 | 2 18 | 3 27 | 4 36 | 5 45 | 6 54 | 7 63 | 8 72 | 9 81 | 10 90 | 10 | 90 |
| 10 | 70 | 0 7 | 1 14 | 1 21 | 2 28 | 2 35 | 3 42 | 3 49 | 4 56 | 4 63 | 5 70 | 10 | 70 |
| 15 | 55 | 1 6 | 1 11 | 2 17 | 3 22 | 4 28 | 4 33 | 5 39 | 6 44 | 6 50 | 7 55 | 15 | 55 |
| 18 | 45 | 1 5 | 2 9 | 2 14 | 3 18 | 4 23 | 5 27 | 6 32 | 7 36 | 7 41 | 8 45 | 18 | 45 |
| 19 | 35 | 1 4 | 1 7 | 2 11 | 3 14 | 3 18 | 4 21 | 5 25 | 5 28 | 6 32 | 7 35 | 19 | 35 |
| 21 | 35 | 1 4 | 2 7 | 3 11 | 4 14 | 5 18 | 6 21 | 7 25 | 7 28 | 8 32 | 9 35 | 21 | 35 |
| 30 | | 1 0 | 2 0 | 3 0 | 5 0 | 6 0 | 7 0 | 8 0 | 9 0 | 10 0 | 11 0 | 30 | |
| 30 | 30 | 2 3 | 4 6 | 6 9 | 8 12 | 10 15 | 12 18 | 14 21 | 15 24 | 17 27 | 19 30 | 30 | 30 |
| 32 | | 1 0 | 3 0 | 4 0 | 6 0 | 7 0 | 8 0 | 10 0 | 11 0 | 13 0 | 14 0 | 32 | |
| 35 | | 2 0 | 4 0 | 5 0 | 7 0 | 9 0 | 11 0 | 12 0 | 14 0 | 16 0 | 18 0 | 35 | |
| 35 | 25 | 2 3 | 5 5 | 7 8 | 10 10 | 12 13 | 15 15 | 17 18 | 19 20 | 22 23 | 24 25 | 35 | 25 |
| 50 | | 4 0 | 7 0 | 11 0 | 15 0 | 18 0 | 22 0 | 26 0 | 29 0 | 33 0 | 37 0 | 50 | |
| 50 | 25 | 4 3 | 9 5 | 13 8 | 17 10 | 22 13 | 26 15 | 30 18 | 35 20 | 39 23 | 43 25 | 50 | 25 |
| 50 | 50 | 5 5 | 10 10 | 15 15 | 20 20 | 25 25 | 30 30 | 35 35 | 40 40 | 45 45 | 50 50 | 50 | 50 |

| O2 | He | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | O2 | He |
|----|----|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|----|----|
| 10 | 90 | 11 99 | 12 108 | 13 117 | 14 126 | 15 135 | 16 144 | 17 153 | 18 162 | 19 171 | 20 180 | 10 | 90 |
| 10 | 70 | 5 77 | 6 84 | 6 91 | 7 98 | 7 105 | 7 112 | 8 119 | 8 126 | 9 133 | 9 140 | 10 | 70 |
| 15 | 55 | 8 61 | 8 66 | 9 72 | 10 77 | 11 83 | 11 88 | 12 94 | 13 99 | 13 105 | 14 110 | 15 | 55 |
| 18 | 45 | 9 50 | 10 54 | 11 59 | 11 63 | 12 68 | 13 72 | 14 77 | 15 81 | 16 86 | 16 90 | 18 | 45 |
| 19 | 35 | 7 39 | 8 42 | 9 46 | 9 49 | 10 53 | 11 56 | 12 60 | 12 63 | 13 67 | 14 70 | 19 | 35 |
| 21 | 35 | 10 39 | 11 42 | 12 46 | 13 49 | 14 53 | 15 56 | 16 60 | 17 63 | 18 67 | 19 70 | 21 | 35 |
| 30 | | 13 0 | 14 0 | 15 0 | 16 0 | 17 0 | 18 0 | 19 0 | 21 0 | 22 0 | 23 0 | 30 | |
| 30 | 30 | 21 33 | 23 36 | 25 39 | 27 42 | 29 45 | 31 48 | 33 51 | 35 54 | 37 57 | 39 60 | 30 | 30 |
| 32 | | 15 0 | 17 0 | 18 0 | 19 0 | 21 0 | 22 0 | 24 0 | 25 0 | 26 0 | 28 0 | 32 | |
| 35 | | 19 0 | 21 0 | 23 0 | 25 0 | 27 0 | 28 0 | 30 0 | 32 0 | 34 0 | 35 0 | 35 | |
| 35 | 25 | 27 28 | 29 30 | 32 33 | 34 35 | 37 38 | 39 40 | 41 43 | 44 45 | 46 48 | 49 50 | 35 | 25 |
| 50 | | 40 0 | 44 0 | 48 0 | 51 0 | 55 0 | 59 0 | 62 0 | 66 0 | 70 0 | 73 0 | 50 | |
| 50 | 25 | 48 28 | 52 30 | 56 33 | 61 35 | 65 38 | 69 40 | 74 43 | 78 45 | 82 48 | 87 50 | 50 | 25 |
| 50 | 50 | 55 55 | 60 60 | 65 65 | 70 70 | 75 75 | 80 80 | 85 85 | 90 90 | 95 95 | 100 100 | 50 | 50 |

| O2 | He | 210 | 220 | 230 | 240 | 250 | 260 | 270 | 280 | 290 | 300 | O2 | He |
|----|----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----|----|
| 10 | 90 | 21 189 | 22 198 | 23 207 | 24 216 | 25 225 | 26 234 | 27 243 | 28 252 | 29 261 | 30 270 | 10 | 90 |
| 10 | 70 | 10 147 | 10 154 | 11 161 | 11 168 | 12 175 | 12 182 | 13 189 | 13 196 | 14 203 | 14 210 | 10 | 70 |
| 15 | 55 | 15 116 | 15 121 | 16 127 | 17 132 | 18 138 | 18 143 | 19 149 | 20 154 | 20 160 | 21 165 | 15 | 55 |
| 18 | 45 | 17 95 | 18 99 | 19 104 | 20 108 | 20 113 | 21 117 | 22 122 | 23 126 | 24 131 | 24 135 | 18 | 45 |
| 19 | 35 | 14 74 | 15 77 | 16 81 | 16 84 | 17 88 | 18 91 | 18 95 | 19 98 | 20 102 | 20 105 | 19 | 35 |
| 21 | 35 | 20 74 | 20 77 | 21 81 | 22 84 | 23 88 | 24 91 | 25 95 | 26 98 | 27 102 | 28 105 | 21 | 35 |
| 30 | | 24 0 | 25 0 | 26 0 | 27 0 | 28 0 | 30 0 | 31 0 | 32 0 | 33 0 | 34 0 | 30 | |
| 30 | 30 | 41 63 | 43 66 | 45 69 | 46 72 | 48 75 | 50 78 | 52 81 | 54 84 | 56 87 | 58 90 | 30 | 30 |
| 32 | | 29 0 | 31 0 | 32 0 | 33 0 | 35 0 | 36 0 | 38 0 | 39 0 | 40 0 | 42 0 | 32 | |
| 35 | | 37 0 | 39 0 | 41 0 | 43 0 | 44 0 | 46 0 | 48 0 | 50 0 | 51 0 | 53 0 | 35 | |
| 35 | 25 | 51 53 | 54 55 | 56 58 | 58 60 | 61 63 | 63 65 | 66 68 | 68 70 | 71 73 | 73 75 | 35 | 25 |
| 50 | | 77 0 | 81 0 | 84 0 | 88 0 | 92 0 | 95 0 | 99 0 | 103 0 | 106 0 | 110 0 | 50 | |
| 50 | 25 | 91 53 | 95 55 | 100 58 | 104 60 | 108 63 | 113 65 | 117 68 | 121 70 | 126 73 | 130 75 | 50 | 25 |
| 50 | 50 | 105 105 | 110 110 | 115 115 | 120 120 | 125 125 | 130 130 | 135 135 | 140 140 | 145 145 | 150 150 | 50 | 50 |

Instructions

Select the table with your current backgas.
 Find your current pressure on the left.
 Choose your final pressure and you will get
 your final mix (O2/He) after topping off with air.

Bottom mixes

| | | |
|---------|---------|----------------------|
| 10-100 | 3-30m | 32% or 30/30 (O2/He) |
| 110-150 | 33-45m | 21/35 (O2/He) |
| 160-200 | 48-60m | 18/45 (O2/He) |
| 210-250 | 63-75m | 15/55 (O2/He) |
| 260-400 | 78-121m | 10/70 (O2/He) |

10/70

| bar | 180 | 220 | 260 | 300 |
|-----|---------|---------|---------|---------|
| 40 | 18,6 16 | 19,0 13 | 19,3 11 | 19,5 9 |
| 60 | 17,3 23 | 18,0 19 | 18,5 16 | 18,8 14 |
| 80 | 16,1 31 | 17,0 25 | 17,6 22 | 18,1 19 |
| 100 | 14,9 39 | 16,0 32 | 16,8 27 | 17,3 23 |
| 120 | 13,7 47 | 15,0 38 | 15,9 32 | 16,6 28 |
| 140 | 12,4 54 | 14,0 45 | 15,1 38 | 15,9 33 |
| 160 | 11,2 62 | 13,0 51 | 14,2 43 | 15,1 37 |
| 180 | 10,0 70 | 12,0 57 | 13,4 48 | 14,4 42 |
| 200 | | 11,0 64 | 12,5 54 | 13,7 47 |
| 220 | | 10,0 70 | 11,7 59 | 12,9 51 |
| 240 | | | 10,8 65 | 12,2 56 |
| 260 | | | 10,0 70 | 11,5 61 |

10/90

| bar | 180 | 220 | 260 | 300 |
|-----|---------|---------|---------|---------|
| 40 | 18,6 20 | 19,0 16 | 19,3 14 | 19,5 12 |
| 60 | 17,3 30 | 18,0 25 | 18,5 21 | 18,8 18 |
| 80 | 16,1 40 | 17,0 33 | 17,6 28 | 18,1 24 |
| 100 | 14,9 50 | 16,0 41 | 16,8 35 | 17,3 30 |
| 120 | 13,7 60 | 15,0 49 | 15,9 42 | 16,6 36 |
| 140 | 12,4 70 | 14,0 57 | 15,1 48 | 15,9 42 |
| 160 | 11,2 80 | 13,0 65 | 14,2 55 | 15,1 48 |
| 180 | 10,0 90 | 12,0 74 | 13,4 62 | 14,4 54 |
| 200 | | 11,0 82 | 12,5 69 | 13,7 60 |
| 220 | | 10,0 90 | 11,7 76 | 12,9 66 |
| 240 | | | 10,8 83 | 12,2 72 |
| 260 | | | 10,0 90 | 11,5 78 |

19/35

| bar | 180 | 220 | 260 | 300 |
|-----|---------|---------|---------|---------|
| 40 | 20,6 8 | 20,6 6 | 20,7 5 | 20,7 5 |
| 60 | 20,3 12 | 20,5 10 | 20,5 8 | 20,6 7 |
| 80 | 20,1 16 | 20,3 13 | 20,4 11 | 20,5 9 |
| 100 | 19,9 19 | 20,1 16 | 20,2 13 | 20,3 12 |
| 120 | 19,7 23 | 19,9 19 | 20,1 16 | 20,2 14 |
| 140 | 19,4 27 | 19,7 22 | 19,9 19 | 20,1 16 |
| 160 | 19,2 31 | 19,5 25 | 19,8 22 | 19,9 19 |
| 180 | 19,0 35 | 19,4 29 | 19,6 24 | 19,8 21 |
| 200 | | 19,2 32 | 19,5 27 | 19,7 23 |
| 220 | | 19,0 35 | 19,3 30 | 19,5 26 |
| 240 | | | 19,2 32 | 19,4 28 |
| 260 | | | 19,0 35 | 19,3 30 |

18/45

| bar | 180 | 220 | 260 | 300 |
|-----|---------|---------|---------|---------|
| 40 | 20,3 10 | 20,5 8 | 20,5 7 | 20,6 6 |
| 60 | 20,0 15 | 20,2 12 | 20,3 10 | 20,4 9 |
| 80 | 19,7 20 | 19,9 16 | 20,1 14 | 20,2 12 |
| 100 | 19,3 25 | 19,6 20 | 19,8 17 | 20,0 15 |
| 120 | 19,0 30 | 19,4 25 | 19,6 21 | 19,8 18 |
| 140 | 18,7 35 | 19,1 29 | 19,4 24 | 19,6 21 |
| 160 | 18,3 40 | 18,8 33 | 19,2 28 | 19,4 24 |
| 180 | 18,0 45 | 18,5 37 | 18,9 31 | 19,2 27 |
| 200 | | 18,3 41 | 18,7 35 | 19,0 30 |
| 220 | | 18,0 45 | 18,5 38 | 18,8 33 |
| 240 | | | 18,2 42 | 18,6 36 |
| 260 | | | 18,0 45 | 18,4 39 |

15/55

| bar | 180 | 220 | 260 | 300 |
|-----|---------|---------|---------|---------|
| 40 | 19,7 12 | 19,9 10 | 20,1 8 | 20,2 7 |
| 60 | 19,0 18 | 19,4 15 | 19,6 13 | 19,8 11 |
| 80 | 18,3 24 | 18,8 20 | 19,2 17 | 19,4 15 |
| 100 | 17,7 31 | 18,3 25 | 18,7 21 | 19,0 18 |
| 120 | 17,0 37 | 17,7 30 | 18,2 25 | 18,6 22 |
| 140 | 16,3 43 | 17,2 35 | 17,8 30 | 18,2 26 |
| 160 | 15,7 49 | 16,6 40 | 17,3 34 | 17,8 29 |
| 180 | 15,0 55 | 16,1 45 | 16,8 38 | 17,4 33 |
| 200 | | 15,5 50 | 16,4 42 | 17,0 37 |
| 220 | | 15,0 55 | 15,9 47 | 16,6 40 |
| 240 | | | 15,5 51 | 16,2 44 |
| 260 | | | 15,0 55 | 15,8 48 |

32%

| bar | 180 | 220 | 260 | 300 |
|-----|--------|--------|--------|--------|
| 40 | 23,4 0 | 23,0 0 | 22,7 0 | 22,5 0 |
| 60 | 24,7 0 | 24,0 0 | 23,5 0 | 23,2 0 |
| 80 | 25,9 0 | 25,0 0 | 24,4 0 | 23,9 0 |
| 100 | 27,1 0 | 26,0 0 | 25,2 0 | 24,7 0 |
| 120 | 28,3 0 | 27,0 0 | 26,1 0 | 25,4 0 |
| 140 | 29,6 0 | 28,0 0 | 26,9 0 | 26,1 0 |
| 160 | 30,8 0 | 29,0 0 | 27,8 0 | 26,9 0 |
| 180 | 32,0 0 | 30,0 0 | 28,6 0 | 27,6 0 |
| 200 | | 31,0 0 | 29,5 0 | 28,3 0 |
| 220 | | 32,0 0 | 30,3 0 | 29,1 0 |
| 240 | | | 31,2 0 | 29,8 0 |
| 260 | | | 32,0 0 | 30,5 0 |

30/30

| bar | 180 | 220 | 260 | 300 |
|-----|---------|---------|---------|---------|
| 40 | 23,0 7 | 22,6 5 | 22,4 5 | 22,2 4 |
| 60 | 24,0 10 | 23,5 8 | 23,1 7 | 22,8 6 |
| 80 | 25,0 13 | 24,3 11 | 23,8 9 | 23,4 8 |
| 100 | 26,0 17 | 25,1 14 | 24,5 12 | 24,0 10 |
| 120 | 27,0 20 | 25,9 16 | 25,2 14 | 24,6 12 |
| 140 | 28,0 23 | 26,7 19 | 25,8 16 | 25,2 14 |
| 160 | 29,0 27 | 27,5 22 | 26,5 18 | 25,8 16 |
| 180 | 30,0 30 | 28,4 25 | 27,2 21 | 26,4 18 |
| 200 | | 29,2 27 | 27,9 23 | 27,0 20 |
| 220 | | 30,0 30 | 28,6 25 | 27,6 22 |
| 240 | | | 29,3 28 | 28,2 24 |
| 260 | | | 30,0 30 | 28,8 26 |

21/35

| bar | 180 | 220 | 260 | 300 |
|-----|---------|---------|---------|---------|
| 40 | 21,0 8 | 21,0 6 | 21,0 5 | 21,0 5 |
| 60 | 21,0 12 | 21,0 10 | 21,0 8 | 21,0 7 |
| 80 | 21,0 16 | 21,0 13 | 21,0 11 | 21,0 9 |
| 100 | 21,0 19 | 21,0 16 | 21,0 13 | 21,0 12 |
| 120 | 21,0 23 | 21,0 19 | 21,0 16 | 21,0 14 |
| 140 | 21,0 27 | 21,0 22 | 21,0 19 | 21,0 16 |
| 160 | 21,0 31 | 21,0 25 | 21,0 22 | 21,0 19 |
| 180 | 21,0 35 | 21,0 29 | 21,0 24 | 21,0 21 |
| 200 | | 21,0 32 | 21,0 27 | 21,0 23 |
| 220 | | 21,0 35 | 21,0 30 | 21,0 26 |
| 240 | | | 21,0 32 | 21,0 28 |
| 260 | | | 21,0 35 | 21,0 30 |

Top Off Chart Imperial - Rev. A

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Instructions

Select the table with your current backgas.
Find your current pressure on the left.
Choose your final pressure and you will get
your final mix (O2/He) after topping off with air.

Bottom mixes

| | | |
|---------|---------|----------------------|
| 10-100 | 3-30m | 32% or 30/30 (O2/He) |
| 110-150 | 33-45m | 21/35 (O2/He) |
| 160-200 | 48-60m | 18/45 (O2/He) |
| 210-250 | 63-75m | 15/55 (O2/He) |
| 260-400 | 78-121m | 10/70 (O2/He) |

10/70

| psi | 2500 | 3000 | 3500 | 4000 |
|------|---------|---------|---------|---------|
| 500 | 18,8 14 | 19,2 12 | 19,4 10 | 19,6 9 |
| 750 | 17,7 21 | 18,3 18 | 18,6 15 | 18,9 13 |
| 1000 | 16,6 28 | 17,3 23 | 17,9 20 | 18,3 18 |
| 1250 | 15,5 35 | 16,4 29 | 17,1 25 | 17,6 22 |
| 1500 | 14,4 42 | 15,5 35 | 16,3 30 | 16,9 26 |
| 1750 | 13,3 49 | 14,6 41 | 15,5 35 | 16,2 31 |
| 2000 | 12,2 56 | 13,7 47 | 14,7 40 | 15,5 35 |
| 2250 | 11,1 63 | 12,8 53 | 13,9 45 | 14,8 39 |
| 2500 | 10,0 70 | 11,8 58 | 13,1 50 | 14,1 44 |
| 2750 | | 10,9 64 | 12,4 55 | 13,4 48 |
| 3000 | | 10,0 70 | 11,6 60 | 12,8 53 |
| 3250 | | | 10,8 65 | 12,1 57 |

10/90

| psi | 2500 | 3000 | 3500 | 4000 |
|------|---------|---------|---------|---------|
| 500 | 18,8 18 | 19,2 15 | 19,4 13 | 19,6 11 |
| 750 | 17,7 27 | 18,3 23 | 18,6 19 | 18,9 17 |
| 1000 | 16,6 36 | 17,3 30 | 17,9 26 | 18,3 23 |
| 1250 | 15,5 45 | 16,4 38 | 17,1 32 | 17,6 28 |
| 1500 | 14,4 54 | 15,5 45 | 16,3 39 | 16,9 34 |
| 1750 | 13,3 63 | 14,6 53 | 15,5 45 | 16,2 39 |
| 2000 | 12,2 72 | 13,7 60 | 14,7 51 | 15,5 45 |
| 2250 | 11,1 81 | 12,8 68 | 13,9 58 | 14,8 51 |
| 2500 | 10,0 90 | 11,8 75 | 13,1 64 | 14,1 56 |
| 2750 | | 10,9 83 | 12,4 71 | 13,4 62 |
| 3000 | | 10,0 90 | 11,6 77 | 12,8 68 |
| 3250 | | | 10,8 84 | 12,1 73 |

19/35

| psi | 2500 | 3000 | 3500 | 4000 |
|------|---------|---------|---------|---------|
| 500 | 20,6 7 | 20,7 6 | 20,7 5 | 20,8 4 |
| 750 | 20,4 11 | 20,5 9 | 20,6 8 | 20,6 7 |
| 1000 | 20,2 14 | 20,3 12 | 20,4 10 | 20,5 9 |
| 1250 | 20,0 18 | 20,2 15 | 20,3 13 | 20,4 11 |
| 1500 | 19,8 21 | 20,0 18 | 20,1 15 | 20,3 13 |
| 1750 | 19,6 25 | 19,8 20 | 20,0 18 | 20,1 15 |
| 2000 | 19,4 28 | 19,7 23 | 19,9 20 | 20,0 18 |
| 2250 | 19,2 32 | 19,5 26 | 19,7 23 | 19,9 20 |
| 2500 | 19,0 35 | 19,3 29 | 19,6 25 | 19,8 22 |
| 2750 | | 19,2 32 | 19,4 28 | 19,6 24 |
| 3000 | | 19,0 35 | 19,3 30 | 19,5 26 |
| 3250 | | | 19,1 33 | 19,4 28 |

18/45

| psi | 2500 | 3000 | 3500 | 4000 |
|------|---------|---------|---------|---------|
| 500 | 20,4 9 | 20,5 8 | 20,6 6 | 20,6 6 |
| 750 | 20,1 14 | 20,3 11 | 20,4 10 | 20,4 8 |
| 1000 | 19,8 18 | 20,0 15 | 20,1 13 | 20,3 11 |
| 1250 | 19,5 23 | 19,8 19 | 19,9 16 | 20,1 14 |
| 1500 | 19,2 27 | 19,5 23 | 19,7 19 | 19,9 17 |
| 1750 | 18,9 32 | 19,3 26 | 19,5 23 | 19,7 20 |
| 2000 | 18,6 36 | 19,0 30 | 19,3 26 | 19,5 23 |
| 2250 | 18,3 41 | 18,8 34 | 19,1 29 | 19,3 25 |
| 2500 | 18,0 45 | 18,5 38 | 18,9 32 | 19,1 28 |
| 2750 | | 18,3 41 | 18,6 35 | 18,9 31 |
| 3000 | | 18,0 45 | 18,4 39 | 18,8 34 |
| 3250 | | | 18,2 42 | 18,6 37 |

15/55

| psi | 2500 | 3000 | 3500 | 4000 |
|------|---------|---------|---------|---------|
| 500 | 19,8 11 | 20,0 9 | 20,1 8 | 20,3 7 |
| 750 | 19,2 17 | 19,5 14 | 19,7 12 | 19,9 10 |
| 1000 | 18,6 22 | 19,0 18 | 19,3 16 | 19,5 14 |
| 1250 | 18,0 28 | 18,5 23 | 18,9 20 | 19,1 17 |
| 1500 | 17,4 33 | 18,0 28 | 18,4 24 | 18,8 21 |
| 1750 | 16,8 39 | 17,5 32 | 18,0 28 | 18,4 24 |
| 2000 | 16,2 44 | 17,0 37 | 17,6 31 | 18,0 28 |
| 2250 | 15,6 50 | 16,5 41 | 17,1 35 | 17,6 31 |
| 2500 | 15,0 55 | 16,0 46 | 16,7 39 | 17,3 34 |
| 2750 | | 15,5 50 | 16,3 43 | 16,9 38 |
| 3000 | | 15,0 55 | 15,9 47 | 16,5 41 |
| 3250 | | | 15,4 51 | 16,1 45 |

32%

| psi | 2500 | 3000 | 3500 | 4000 |
|------|--------|--------|--------|--------|
| 500 | 23,2 0 | 22,8 0 | 22,6 0 | 22,4 0 |
| 750 | 24,3 0 | 23,8 0 | 23,4 0 | 23,1 0 |
| 1000 | 25,4 0 | 24,7 0 | 24,1 0 | 23,8 0 |
| 1250 | 26,5 0 | 25,6 0 | 24,9 0 | 24,4 0 |
| 1500 | 27,6 0 | 26,5 0 | 25,7 0 | 25,1 0 |
| 1750 | 28,7 0 | 27,4 0 | 26,5 0 | 25,8 0 |
| 2000 | 29,8 0 | 28,3 0 | 27,3 0 | 26,5 0 |
| 2250 | 30,9 0 | 29,3 0 | 28,1 0 | 27,2 0 |
| 2500 | 32,0 0 | 30,2 0 | 28,9 0 | 27,9 0 |
| 2750 | | 31,1 0 | 29,6 0 | 28,6 0 |
| 3000 | | 32,0 0 | 30,4 0 | 29,3 0 |
| 3250 | | | 31,2 0 | 29,9 0 |

30/30

| psi | 2500 | 3000 | 3500 | 4000 |
|------|---------|---------|---------|---------|
| 500 | 22,8 6 | 22,5 5 | 22,3 4 | 22,1 4 |
| 750 | 23,7 9 | 23,3 8 | 22,9 6 | 22,7 6 |
| 1000 | 24,6 12 | 24,0 10 | 23,6 9 | 23,3 8 |
| 1250 | 25,5 15 | 24,8 13 | 24,2 11 | 23,8 9 |
| 1500 | 26,4 18 | 25,5 15 | 24,9 13 | 24,4 11 |
| 1750 | 27,3 21 | 26,3 18 | 25,5 15 | 24,9 13 |
| 2000 | 28,2 24 | 27,0 20 | 26,1 17 | 25,5 15 |
| 2250 | 29,1 27 | 27,8 23 | 26,8 19 | 26,1 17 |
| 2500 | 30,0 30 | 28,5 25 | 27,4 21 | 26,6 19 |
| 2750 | | 29,3 28 | 28,1 24 | 27,2 21 |
| 3000 | | 30,0 30 | 28,7 26 | 27,8 23 |
| 3250 | | | 29,4 28 | 28,3 24 |

21/35

| psi | 2500 | 3000 | 3500 | 4000 |
|------|---------|---------|---------|---------|
| 500 | 21,0 7 | 21,0 6 | 21,0 5 | 21,0 4 |
| 750 | 21,0 11 | 21,0 9 | 21,0 8 | 21,0 7 |
| 1000 | 21,0 14 | 21,0 12 | 21,0 10 | 21,0 9 |
| 1250 | 21,0 18 | 21,0 15 | 21,0 13 | 21,0 11 |
| 1500 | 21,0 21 | 21,0 18 | 21,0 15 | 21,0 13 |
| 1750 | 21,0 25 | 21,0 20 | 21,0 18 | 21,0 15 |
| 2000 | 21,0 28 | 21,0 23 | 21,0 20 | 21,0 18 |
| 2250 | 21,0 32 | 21,0 26 | 21,0 23 | 21,0 20 |
| 2500 | 21,0 35 | 21,0 29 | 21,0 25 | 21,0 22 |
| 2750 | | 21,0 32 | 21,0 28 | 21,0 24 |
| 3000 | | 21,0 35 | 21,0 30 | 21,0 26 |
| 3250 | | | 21,0 33 | 21,0 28 |

PO2 / END Chart Metric - Rev. B

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| | | | PO2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---------|----------------------|-----------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----------|-----------|
| | | | 0,5 | | 0,6 | | 0,7 | | 0,8 | | 0,9 | | 1,0 | | 1,1 | | 1,2 | | 1,3 | | 1,4 | | 1,5 | | 1,6 | | O2 | He | | |
| O2 | He | | msw | END | msw | END | msw | END | msw | END | msw | END | msw | END | msw | END | msw | END | msw | END | msw | END | msw | END | msw | END | | | | |
| Bottom mixes | | | 10 | 90 | 40 | 0 | 50 | 0 | 60 | 0 | 70 | 0 | 80 | 0 | 90 | 0 | 100 | 1 | 110 | 2 | 120 | 3 | 130 | 4 | 140 | 5 | 150 | 6 | 10 | 90 |
| 10-100 | 3-30m | 32% or 30/30 (O2/He) | 10 | 70 | 40 | 5 | 50 | 8 | 60 | 11 | 70 | 14 | 80 | 17 | 90 | 20 | 100 | 23 | 110 | 26 | 120 | 29 | 130 | 32 | 140 | 35 | 150 | 38 | 10 | 70 |
| 110-150 | 33-45m | 21/35 (O2/He) | 15 | 55 | 23 | 5 | 30 | 8 | 37 | 12 | 43 | 14 | 50 | 17 | 57 | 21 | 63 | 23 | 70 | 26 | 77 | 30 | 83 | 32 | 90 | 35 | 97 | 39 | 15 | 55 |
| 160-200 | 48-60m | 18/45 (O2/He) | 18 | 45 | 18 | 6 | 23 | 9 | 29 | 12 | 34 | 15 | 40 | 18 | 46 | 21 | 51 | 24 | 57 | 27 | 62 | 30 | 68 | 33 | 73 | 36 | 79 | 39 | 18 | 45 |
| 210-250 | 63-75m | 15/55 (O2/He) | 19 | 35 | 16 | 7 | 22 | 11 | 27 | 15 | 32 | 18 | 37 | 21 | 43 | 25 | 48 | 28 | 53 | 31 | 58 | 35 | 64 | 39 | 69 | 42 | 74 | 45 | 19 | 35 |
| 260-400 | 78-121m | 10/70 (O2/He) | 21 | 35 | 14 | 6 | 19 | 9 | 23 | 12 | 28 | 15 | 33 | 18 | 38 | 22 | 42 | 24 | 47 | 28 | 52 | 31 | 57 | 34 | 61 | 37 | 66 | 40 | 21 | 35 |
| | | | 30 | | 7 | 7 | 10 | 10 | 13 | 13 | 17 | 17 | 20 | 20 | 23 | 23 | 27 | 27 | 30 | 30 | 33 | 33 | 37 | 37 | 40 | 40 | 43 | 43 | 30 | |
| Decompression mixes | | | 30 | 30 | 7 | 2 | 10 | 4 | 13 | 7 | 17 | 9 | 20 | 11 | 23 | 14 | 27 | 16 | 30 | 18 | 33 | 21 | 37 | 23 | 40 | 25 | 43 | 28 | 30 | 30 |
| 20 | 6m | 100% Oxygen | 32 | | 6 | 6 | 9 | 9 | 12 | 12 | 15 | 15 | 18 | 18 | 21 | 21 | 24 | 24 | 28 | 28 | 31 | 31 | 34 | 34 | 37 | 37 | 40 | 40 | 32 | |
| 70 | 21m | 50% Oxygen | 35 | | 4 | 4 | 7 | 7 | 10 | 10 | 13 | 13 | 16 | 16 | 19 | 19 | 21 | 21 | 24 | 24 | 27 | 27 | 30 | 30 | 33 | 33 | 36 | 36 | 35 | |
| 120 | 36m | 35/25 (O2/He) | 35 | 25 | 4 | 1 | 7 | 3 | 10 | 5 | 13 | 8 | 16 | 10 | 19 | 12 | 21 | 14 | 24 | 16 | 27 | 18 | 30 | 20 | 33 | 23 | 36 | 25 | 35 | 25 |
| 190 | 57m | 21/35 (O2/He) | 50 | | 0 | 0 | 2 | 2 | 4 | 4 | 6 | 6 | 8 | 8 | 10 | 10 | 12 | 12 | 14 | 14 | 16 | 16 | 18 | 18 | 20 | 20 | 22 | 22 | 50 | |
| | | | 50 | 25 | 0 | 0 | 2 | 0 | 4 | 1 | 6 | 2 | 8 | 4 | 10 | 5 | 12 | 7 | 14 | 8 | 16 | 10 | 18 | 11 | 20 | 13 | 22 | 14 | 50 | 25 |
| Formulas for special mixes | | | 50 | 50 | 0 | 0 | 2 | 0 | 4 | 0 | 6 | 0 | 8 | 0 | 10 | 0 | 12 | 1 | 14 | 2 | 16 | 3 | 18 | 4 | 20 | 5 | 22 | 6 | 50 | 50 |

msw = (PO2 / O2% * 100 - 1) * 10

END = (100 - He%) / 100 * (msw + 10) - 10

msw has been rounded to nearest number, END is Equivalent Narcotic Depth (O2&N2) and has been rounded up to nearest number

PO2 / END Chart Imperial - Rev. B
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| | | | PO2 | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|----|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| | | | 0,5 | | 0,6 | | 0,7 | | 0,8 | | 0,9 | | 1,0 | | 1,1 | | 1,2 | | 1,3 | | 1,4 | | 1,5 | | 1,6 | | O2 | He |
| O2 | He | | fsw | END | fsw | END | fsw | END | fsw | END | fsw | END | fsw | END | fsw | END | fsw | END | fsw | END | fsw | END | fsw | END | fsw | END | O2 | He |
| Bottom mixes | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 90 | 10-100 3-30m 32% or 30/30 (O2/He) | 132 | 0 | 165 | 0 | 198 | 0 | 231 | 0 | 264 | 0 | 297 | 0 | 330 | 4 | 363 | 7 | 396 | 10 | 429 | 14 | 462 | 17 | 495 | 20 | 10 | 90 |
| 15 | 55 | 110-150 33-45m 21/35 (O2/He) | 77 | 17 | 99 | 27 | 121 | 37 | 143 | 47 | 165 | 57 | 187 | 66 | 209 | 76 | 231 | 86 | 253 | 96 | 275 | 106 | 297 | 116 | 319 | 126 | 15 | 55 |
| 18 | 45 | 160-200 48-60m 18/45 (O2/He) | 59 | 18 | 77 | 28 | 95 | 38 | 114 | 48 | 132 | 58 | 150 | 68 | 169 | 79 | 187 | 88 | 205 | 98 | 224 | 109 | 242 | 119 | 260 | 129 | 18 | 45 |
| 19 | 35 | 210-250 63-75m 15/55 (O2/He) | 54 | 24 | 71 | 35 | 89 | 47 | 106 | 58 | 123 | 69 | 141 | 81 | 158 | 92 | 175 | 103 | 193 | 114 | 210 | 125 | 228 | 137 | 245 | 148 | 19 | 35 |
| 21 | 35 | 260-400 78-121m 10/70 (O2/He) | 46 | 19 | 61 | 29 | 77 | 39 | 93 | 49 | 108 | 59 | 124 | 70 | 140 | 80 | 156 | 90 | 171 | 100 | 187 | 110 | 203 | 121 | 218 | 131 | 21 | 35 |
| 30 | | | 22 | 22 | 33 | 33 | 44 | 44 | 55 | 55 | 66 | 66 | 77 | 77 | 88 | 88 | 99 | 99 | 110 | 110 | 121 | 121 | 132 | 132 | 143 | 143 | 30 | |
| 30 | 30 | | 22 | 6 | 33 | 14 | 44 | 21 | 55 | 29 | 66 | 37 | 77 | 44 | 88 | 52 | 99 | 60 | 110 | 68 | 121 | 75 | 132 | 83 | 143 | 91 | 30 | 30 |
| 32 | | | 19 | 19 | 29 | 29 | 39 | 39 | 50 | 50 | 60 | 60 | 70 | 70 | 80 | 80 | 91 | 91 | 101 | 101 | 111 | 111 | 122 | 122 | 132 | 132 | 32 | |
| 35 | | | 14 | 14 | 24 | 24 | 33 | 33 | 42 | 42 | 52 | 52 | 61 | 61 | 71 | 71 | 80 | 80 | 90 | 90 | 99 | 99 | 108 | 108 | 118 | 118 | 35 | |
| 35 | 25 | | 14 | 3 | 24 | 10 | 33 | 17 | 42 | 24 | 52 | 31 | 61 | 38 | 71 | 45 | 80 | 52 | 90 | 60 | 99 | 66 | 108 | 73 | 118 | 81 | 35 | 25 |
| 50 | | | 0 | 0 | 7 | 7 | 13 | 13 | 20 | 20 | 26 | 26 | 33 | 33 | 40 | 40 | 46 | 46 | 53 | 53 | 59 | 59 | 66 | 66 | 73 | 73 | 50 | |
| 50 | 25 | | 0 | 0 | 7 | 0 | 13 | 2 | 20 | 7 | 26 | 12 | 33 | 17 | 40 | 22 | 46 | 27 | 53 | 32 | 59 | 36 | 66 | 42 | 73 | 47 | 50 | 25 |
| 50 | 50 | | 0 | 0 | 7 | 0 | 13 | 0 | 20 | 0 | 26 | 0 | 33 | 0 | 40 | 4 | 46 | 7 | 53 | 10 | 59 | 13 | 66 | 17 | 73 | 20 | 50 | 50 |

fsw = (PO2 / O2% * 100 - 1) * 33
 END = (100 - He%) / 100 * (fsw + 33) - 33

msw has been rounded to nearest number, END is Equivalent Narcotic Depth (O2&N2) and has been rounded up to nearest number