

SCHEDULE

Regulation 2(1)

Calculations of Pressure Conversion and Compressibility Conversion Factors

PART I

Calculation of Pressure Conversion Factor

The pressure conversion factor is the number given by the following formula, namely—

$$\frac{1013.25 + (M - A)}{1013.25}$$

where—

M = the number of millibars in the pressure of the gas at the meter;

A = the number of millibars of pressure to be deducted from M on account of the height of the meter above mean sea level measured at Ordnance Survey datum given by the table below.

TABLE

Height above sea level in metres	Pressure in millibars to be deducted	Height above sea level in metres	Pressure in millibars to be deducted	Height above sea level in metres	Pressure in millibars to be deducted
≤0.0	0.00	>97.5≤100.0	12.021	>197.5≤200.0	24.041
>0.0≤2.5	0.301	>100.0≤102.5	12.321	>200.0≤202.5	24.342
>2.5≤5.0	0.601	>102.5≤105.0	12.622	>202.5≤205.0	24.643
>5.0≤7.5	0.902	>105.0≤107.5	12.922	>205.0≤207.5	24.943
>7.5≤10.0	1.202	>107.5≤110.0	13.223	>207.5≤210.0	25.244
>10.0≤12.5	1.503	>110.0≤112.5	13.523	>210.0≤212.5	25.544
>12.5≤15.0	1.803	>112.5≤115.0	13.824	>212.5≤215.0	25.845
>15.0≤17.5	2.104	>115.0≤117.5	14.124	>215.0≤217.5	26.145
>17.5≤20.0	2.404	>117.5≤120.0	14.425	>217.5≤220.0	26.446
>20.0≤22.5	2.705	>120.0≤122.5	14.725	>220.0≤222.5	26.746
>22.5≤25.0	3.005	>122.5≤125.0	15.026	>222.5≤225.0	27.047
>25.0≤27.5	3.306	>125.0≤127.5	15.326	>225.0≤227.5	27.347
>27.5≤30.0	3.606	>127.5≤130.0	15.627	>227.5≤230.0	27.648
>30.0≤32.5	3.907	>130.0≤132.5	15.927	>230.0≤232.5	27.948
>32.5≤35.0	4.207	>132.5≤135.0	16.228	>232.5≤235.0	28.249
>35.0≤37.5	4.508	>135.0≤137.5	16.529	>235.0≤237.5	28.549
>37.5≤40.0	4.808	>137.5≤140.0	16.829	>237.5≤240.0	28.850
>40.0≤42.5	5.109	>140.0≤142.5	17.130	>240.0≤242.5	29.150
>42.5≤45.0	5.409	>142.5≤145.0	17.430	>242.5≤245.0	29.451
>45.0≤47.5	5.710	>145.0≤147.5	17.731	>245.0≤247.5	29.751

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Height above sea level in metres	Pressure in millibars to be deducted	Height above sea level in metres	Pressure in millibars to be deducted	Height above sea level in metres	Pressure in millibars to be deducted
>47.5≤50.0	6.010	>147.5≤150.0	18.031	>247.5≤250.0	30.052
>50.0≤52.5	6.311	>150.0≤152.5	18.332	>250.0≤252.5	30.352
>52.5≤55.0	6.611	>152.5≤155.0	18.632	>252.5≤255.0	30.653
>55.0≤57.5	6.912	>155.0≤157.5	18.933	>255.0≤257.5	30.953
>57.5≤60.0	7.212	>157.5≤160.0	19.233	>257.5≤260.0	31.254
>60.0≤62.5	7.513	>160.0≤162.5	19.534	>260.0≤262.5	31.554
>62.5≤65.0	7.813	>162.5≤165.0	19.834	>262.5≤265.0	31.855
>65.0≤67.5	8.114	>165.0≤167.5	20.135	>265.0≤267.5	32.155
>67.5≤70.0	8.415	>167.5≤170.0	20.435	>267.5≤270.0	32.456
>70.0≤72.5	8.715	>170.0≤172.5	20.736	>270.0≤272.5	32.757
>72.5≤75.0	9.016	>172.5≤175.0	21.036	>272.5≤275.0	33.057
>75.0≤77.5	9.316	>175.0≤177.5	21.337	>275.0≤277.5	33.358
>77.5≤80.0	9.617	>177.5≤180.0	21.637	>277.5≤280.0	33.658
>80.0≤82.5	9.917	>180.0≤182.5	21.938	>280.0≤282.5	33.959
>82.5≤85.0	10.218	>182.5≤185.0	22.238	>282.5≤285.0	34.259
>85.0≤87.5	10.518	>185.0≤187.5	22.539	>285.0≤287.5	34.560
>87.5≤90.0	10.819	>187.5≤190.0	22.839	>287.5≤290.0	34.860
>90.0≤92.5	11.119	>190.0≤192.5	23.140	>290.0≤292.5	35.161
>92.5≤95.0	11.420	>192.5≤195.0	23.440	>292.5≤295.0	35.461
>95.0≤97.5	11.720	>195.0≤197.5	23.741	>295.0	35.762

PART II

Calculation of Compressibility Conversion Factor

The compressibility factor is:

- (a) where the pressure of the gas at the meter does not exceed 2 bar, the number one; and
- (b) where that pressure exceeds 2 bar, the number given by the following formula, namely:

$$\frac{0.9978}{1-0.00000226M}$$

where

M=the number of millibars of that pressure.