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Identification of medical grade gas cylinders

The contents of BOC medical gas cylinders appear on the product label affixed to the shoulder, body or cylinder collar. Cylinder shoulders are colour-coded and cylinders are fitted with different valve outlets to provide product differentiation. A cylinder without a legible product label should not be used. Please return to supplier to obtain a replacement.

Colour-coded identification

Shoulder colour: Gas code: Sizes: Pin index:

Inhalo[®] CD











Nitrous oxide

 N_20





Entonox®

Ultramarine & White

 $N_{2}0/0_{2}$

C, D, E, G

570





480

470 C, D, E, G EHP





Green/Grey

530

C,D, E, G



Carbon dioxide

Green/Grey

DE, EE





Carbogen

Green/Grey & White

 $(0_{2}/0_{2})$

C, D, E, G



C, D, G



Heliox

Brown & White

Integrated Valve

He/0

655

CD, ED



Pin index valve Pin configuration differs with gas type.

Dangerous Goods class

All medical gases are Class 2 Dangerous Goods.



A green diamond indicates that the contents are non-flammable and non-toxic as defined by the Australian Dangerous Goods Code.



A yellow diamond indicates an oxidising gas.







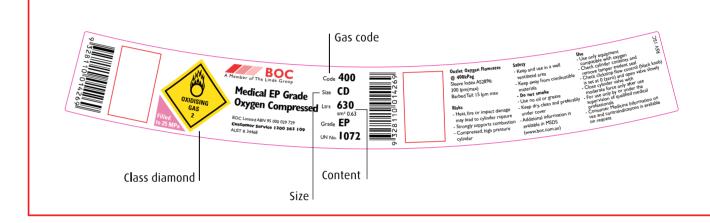
2.2/5.1



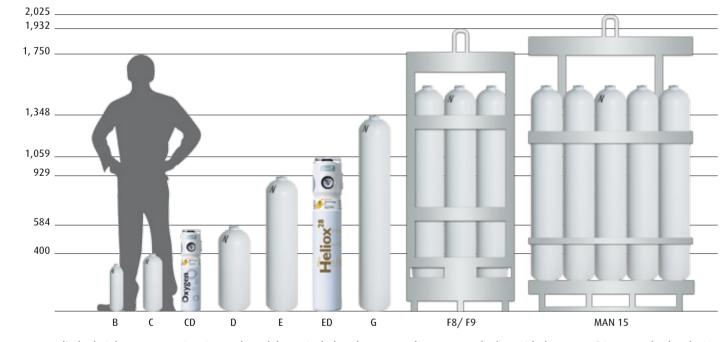
Gases of Class 2.1 shall be segregated from those of Class 2.3 and 2.2/5.1 by at least 3m

Gases of class 2.3 shall be segregated from gases of Class 2.1 or 2.2/5.1 by at least 3m

Cylinder labelling identification



Size identification



Note: Cylinder heights are approximations only and do not include valves except for CD & ED cylinders with the INHALO® integrated valve device.

Medical Oxygen cylinder duration in hours and minutes (h:m)

Code	400 B	400 C	400 CD	400 ND	400 NE	400 NG	400 NF9	400 NMAN15	
Contents *	170	490	630	1,600	4,000	8,075	51,930	126,000	
1 lpm	2:50	8:10	10:30	26:40	66:40	134:35	856:30	2,100:00	
2 lpm	1:25	4:05	5:15	13:20	33:20	67:17	432:45	1,050:00	
3 lpm	0:56	2:43	3:30	8:53	22:13	44:51	288:30	700:00	
4 lpm	0:42	2:03	2:37	6:40	16:40	33:38	216:22	525:00	
5 lpm	0:34	1:38	2:06	5:20	13:20	26:55	173:06	420:00	
6 lpm	0:28	1:21	1:45**	4:26	11:06	22:25	144:15	350:00	
7 lpm	0:24	1:10	1:30**	3:48	9:31	19:13	123:38	300:00	
8 lpm	0:21	1:01	1:18	3:20	8:20	16:49	108:11	262:30	
10 lpm	0:17	0:49	1:03	2:40	6:40	13:27	86:33	210:00	
15 lpm	0:11	0:32	0:42	1:46	4:26	8:58	57:42	140:00	

Duration is an approximation only. *Gas volume – Litres (at 101.3 kPa 15 °C). **Available only from sleeved index outlet with flowmeter attached.

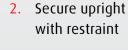
Weight of full cylinders (kg)

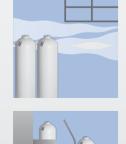
Gas type (code)	В	C	CD	D	E	G	F8	F9	MAN15
Medical Air (470)	-	3.94	-	12.4	27.1	66.4	593	-	1437
Carbogen (500)	_	3.93	-	13.1	33.3	60.7			-
Carbon Dioxide (530)	_	5.14	-	16.0	37.0	75.0			-
Entonox (570)	_	4.32	-	13.2	29.5	_			-
Heliox (655)	_	-	4.7	_	25.4*			-	-
Helium (590)	_	3.37	-	11.2		51.2			-
Nitrous Oxide (610)		5.16	-	16.6	39.0	94.0	763	-	-
Oxygen (400)	2.12	4.28	4.4^	12.4	28.1	68.6		542	1466

Full cylinder weights are approximations only and may vary within specification. *ED size. ^Twin pack weight 11.0kg

Handle medical gases safely

1. Store in well ventilated areas





3. Check cylinder for unique barcode

4. Read labels before use



6. Wear safety clothing

5. Keep full and empty

cylinders separate





of a trolley

Never move cylinder

with the wrong type



8. Keep free from sources of ignition



10. Keep free from oil and grease

9. Never knock violently

or allow to fall



11. Do not use force when

