

Figure 3



MEDICAL CYLINDER DATA

Cylinder code			AZ	C	AD*	CD	DD ⁽¹⁾	PD	RD	ZD	D	E	AF ⁽¹⁾	DF ⁽¹⁾	F	LF	VF	AV	HX	ZX	G	AK	J	L
Medical Gas/ Medical Gas Mixture	Colour Code****	New valve Technology***			Integral valve	Integral valve	Integral valve		Integral valve	Integral valve				Integral valve					Integral valve	Integral valve				
OXYGEN		Contents (litres) Valve outlet pressure (bar (g)) Valve outlet connection	170 137 Pin-index	170 137 Pin-index	400 4 6mm firtree	460 4 Schraeder/ 6mm firtree	460 4 6mm firtree	300 137 Bullnose 5/8" BSP (f)	460 4 Schraeder/ 6mm firtree		340 137 Pin-index	680 137 Pin-index	1360 137 Bullnose 5/8" BSP (f)	1360 4 Schraeder/ 6mm firtree	1360 137 Bullnose 5/8" BSP (f)				2300 4 Schraeder/ 6mm firtree	3040 4 Schraeder/ 6mm firtree	3400 137 Bullnose 5/8" BSP (f)		6800 137 Pin-index (side spindle)	
NITROUS OXIDE		Contents (litres) Valve outlet pressure (bar (g)) Valve outlet connection	450 44 Pin-index	450 44 Pin-index							900 44 Pin-index	1800 44 Pin-index			3600 44 Handwheel 1 1/16" x 20tpi (m)						9000 44 Handwheel 1 1/16" x 20tpi (m)		18000 44 Handwheel 1 1/16" x 20tpi (m)	
ENTONOX (50% N ₂ O/50% O ₂)		Contents (litres) Valve outlet pressure (bar (g)) Valve outlet connection				440 4 Schraeder				794 4 Schraeder	500 137 Pin-index				2000 137 Pin-index (side spindle)				2200 4 Schraeder	3970 4 Schraeder	5000 137 Pin-index			
AIR		Contents (litres) Valve outlet pressure (bar (g)) Valve outlet connection	160 137 Pin-index									640 137 Pin-index			1280 137 Bullnose 5/8" BSP (f)						3200 137 Bullnose 5/8" BSP (f)		6400 137 Pin-index (side spindle)	
CARBON DIOXIDE		Contents (litres) Valve outlet pressure (bar (g))** Valve outlet connection		450 50 Pin-index								1800 50 Pin-index				3600 50 Handwheel 0.860" x 14tpi (m)	3600 50 Handwheel 0.860" x 14tpi (m)							
OXYGEN/CARBON DIOXIDE MIXTURE (95% O ₂ /5% CO ₂)		Contents (litres) Valve outlet pressure (bar (g)) Valve outlet connection													1360 137 Bullnose 5/8" BSP (f)						3400 137 Bullnose 5/8" BSP (f)		6800 137 Bullnose 5/8" BSP (f)	
HELIUM		Contents (litres) Valve outlet pressure (bar (g)) Valve outlet connection									300 137 Pin-index				1200 137 Bullnose 5/8" BSP (f)									
HELIUM/OXYGEN MIXTURE (79% He/21% O ₂)		Contents (litres) Valve outlet pressure (bar (g)) Valve outlet connection													1200 137 Bullnose 5/8" BSP (f)				1780 4 Schraeder/ 6mm firtree					
LUNG FUNCTION MIXTURES TYPE 1–4		Contents (litres) Valve outlet pressure (bar (g)) Valve outlet connection																1500 200 Side outlet Handwheel 5/8" BSP(LH)(f)			6000 200 Side outlet Handwheel 5/8" BSP(LH)(f)			
CARBON DIOXIDE/OXYGEN MEDICAL GAS MIXTURES		Contents (litres) Valve outlet pressure (bar (g)) Valve outlet connection																1460 200 Side outlet Handwheel 5/8" BSP (f)					6780 200 Side outlet Handwheel 5/8" BSP (f)	
CARBON DIOXIDE/AIR MEDICAL GAS MIXTURE (5% CO ₂ /95% AIR)		Contents (litres) Valve outlet pressure (bar (g)) Valve outlet connection																1350 200 Side outlet Handwheel 5/8" BSP (f)					6780 200 Side outlet Handwheel 5/8" BSP (f)	
HELIUM/OXYGEN/NITROGEN MEDICAL GAS MIXTURE (56% N ₂ /35% O ₂ /19% He)		Contents (litres) Valve outlet pressure (bar (g)) Valve outlet connection																1310 200 Side outlet Handwheel 5/8" BSP (f)					6580 200 Side outlet Handwheel 5/8" BSP (f)	
PIN INDEX VALVES Valve Types Water Capacity(litres) mm in kg lb 290 x 100 11.4 x 3.9 2.3 5.1 430 x 89 16.9 x 3.5 2.0 4.4 480 x 100 18.9 x 3.9 3.7 8.2 520 x 100 20.5 x 3.9 2.7 6.0 520 x 100 20.5 x 3.9 2.7 6.0 455 x 100 17.9 x 3.9 4.8 10.6 480 x 100 18.9 x 3.9 4.1 9.0 485 x 100 19.1 x 3.9 3.1 6.6 535 x 102 21.1 x 4 3.4 7.5 865 x 102 34.1 x 4 5.4 11.9 670 x 175 26.4 x 6.9 9.9 21.8 690 x 175 27.2 x 5.5 10.0 22.0 930 x 140 36.6 x 5.5 14.5 32.0 930 x 140 36.6 x 5.5 14.5 32.0 930 x 140 36.6 x 5.5 14.5 32.0 680 x 180 26.8 x 7.1 15.5 34.2 940 x 140 37 x 5.5 15.5 34.2 940 x 143 37.0 x 5.6 10.0 22.0 1320 x 178 52 x 7 34.5 76.1 1540 x 230 60.6 x 9.1 51.0 112.4 1520 x 229 59.8 x 9 68.9 151.9 1540 x 230 60.6 x 9.1 51.0 112.4 6ft (1.83m) AZ C AD CD DD PD RD ZD D E AF DF F LF VF AV HX ZX G AK J L																								

The cylinder data card indicates the water capacity, dimensions, empty weight, gas capacity and valve type. The indicated cylinder colours are those specified in BS EN 1089-3 and ISO 32. Other countries do not necessarily use the same colours and care should be taken to identify correctly gas cylinders brought into the UK from overseas. All BOC cylinders are fitted with a colour coded and date marked test ring under the cylinder valve. This allows BOC to identify cylinders requiring internal inspection or hydraulic testing before refilling.

- Suitable for use in MRI environment.
- Most common cylinders used within the hospital.
- Specialist use cylinders used within the hospital.
- Other medical cylinders used within the hospital.

(1) Domiciliary use only.

NOTES: * The indicated cylinder is for specialised applications and availability is restricted.
** Vapour pressure of liquefied gas at 15 degrees Celsius.
*** Integral valve features a live content gauge, on/off handwheel, built-in flowmeter and regulator. Schraeder outlets are product specific to accept probes to BS 5682.
**** Always identify the cylinder content by the information on the label.

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