



**Special Products  
cylinder identification  
card**

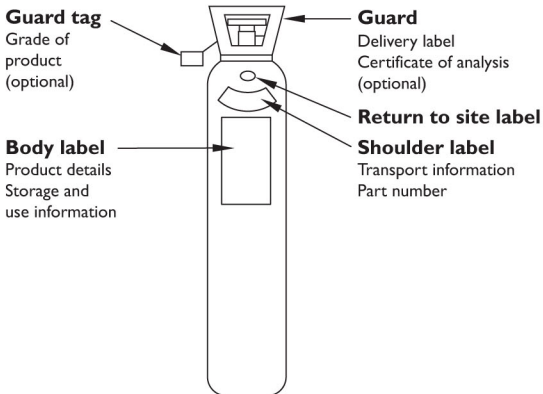
**[www.bocspecialproducts.co.uk](http://www.bocspecialproducts.co.uk)**

**Tel: 0800 02 0800 (UK)**

**Tel: 1800 370 700 (ROI)**

**Fax: 0800 136 601 (UK)**

## Information that might be found on a cylinder



**For safe handling and storage advice, please refer to our website [www.bocspecialproducts.co.uk](http://www.bocspecialproducts.co.uk)**

# Pure gases



Air



Ammonia



Argon



1.3-Butadiene



Carbon dioxide



Carbon monoxide (CP)



Carbon monoxide (Scientific)



Chlorine



Ethylene



Ethylene oxide



>9% Ethylene oxide/carbon dioxide



Halocarbon 14



Halocarbon 23



Helium (Grade A and CP)



Helium (High purity)



Hydrocarbon propellants



Hydrogen



Hydrogen chloride



Hydrogen sulphide



Krypton

# Pure gases



Methane  
(CP)



Methane  
(Scientific)



Methylamines



Methyl  
chloride



Neon



Nitric  
oxide



Nitrogen



Nitrogen  
dioxide



Nitrous oxide  
(Electronic)



Nitrous oxide  
(Zero, food and AA)



Oxygen



Oxygen  
(Medical)



Perfluoropropane  
(Medical)



Propylene



Silane



Sulphur  
dioxide



Sulphur  
hexafluoride  
(CP)



Sulphur  
hexafluoride  
(Electronic)



Sulphur  
hexafluoride  
(Medical)



Xenon

## Gas mixtures

Legislation aimed at standardising gas cylinder colours across Europe is being introduced. As a result, the following top colours will apply to cylinders containing Special Products mixtures.

Red	= Flammable
Yellow	= Toxic or corrosive
Light blue	= Oxidising
Bright green	= Inert
Red and yellow	= Flammable and toxic
Yellow and light blue	= Toxic and oxidising



Flammable



Toxic or corrosive



Oxidising



Inert



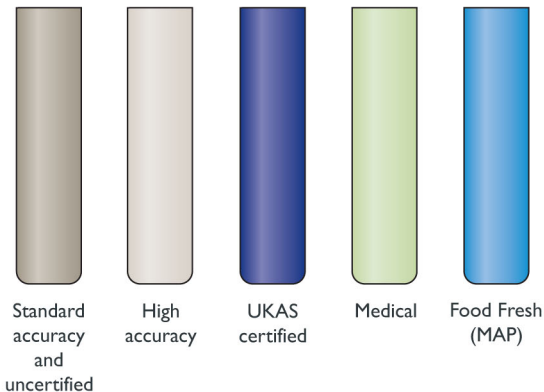
Flammable and toxic



Toxic and oxidising

## Gas mixtures

The body colours of BOC Scientific cylinders are split into five categories as indicated below:



The colours in this chart are provided as an indication only, actual colours may vary

# Refrigerants



R-22



R-123



R-124



R-125



R-134a



R-23



R-401A



R-401B



R-402A



R-402B



R-403B



R-404a



R-407C



R-408A



R-409A



R-410A



R-413A



R-417A



R-507



R-508B



Recovery



Decant



Care 10



Care 30



Care 40



Care 45



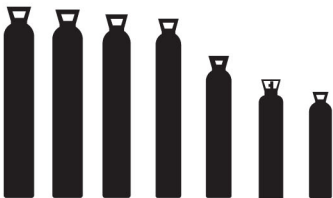
Care 50

2000 mm

1000 mm



## Cylinder sizes



Size

L AL\* AK\* J AJ\* AY\* Y

Height (mm)

1540 1530 1510 1460 1210 960 910

Diameter (mm)

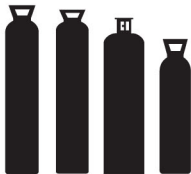
230 250 230 230 230 180 200

Litres

50 50 40 46.5 31 20 20

2000 mm

1000 mm



Size

BK BKX BE BKA

Height (mm)

1290 1250 1190 1030

Diameter (mm)


282 282 385 300

Litres


102 102 108.4 61

Detailed below are the principal cylinders in the BOC Special Products range. Heights are given to the centre of a typical valve outlet. All dimensions are for guidance and should be treated as approximate.

\* Aluminium cylinders



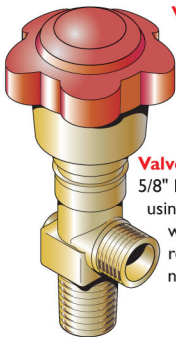
V	F	AV*	AF*	AH*	D	BC	AE*	AZ*
900	820	680	620	510	450	430	395	290
140	140	181	180	151	100	100	125	100
10	9.4	10	9.4	5	2.3	2	4.7	1.2



E3	BD	BH	BA	RBX	BAX
980	840	501	430	383	325
219	319	300	272	229	229
32	54	20	10	12.3	11.3

## Valves in common use throughout BOC Special Products

The BS 341 no. 6 is commonly used in refrigerants and some standard grade chemicals. This valve has external threads and is fitted with a hexagonal cap nut. The BS 341 no.3 is a common valve for inert mixtures and pure gases.



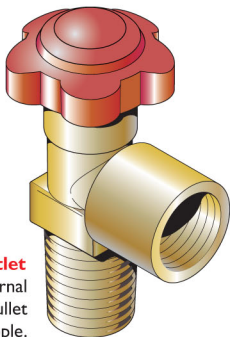
### Valve handwheel

Open and close slowly  
using only moderate force.

### Valve outlet

5/8" BSP RH external  
using flat seat with  
washer. After use  
replace blanking  
nut.

**BS 341 no. 6**



### Valve outlet

5/8" BSP RH internal  
accepting bullet  
shaped nipple.

**BS 341 no. 3**

## Valve outlets used by BOC Special Products

Series	Number	Direction	Fitting	Thread dimensions
BS 341	3	RH	Internal	5/8" BSP
	4	LH	Internal	5/8" BSP
	6	RH	External	5/8" BSP
	7	LH	External	5/8" BSP
	8	RH	External	0.86" x 14 tpi
	10	RH	External	1/2" BSP
	13	RH	External	11/16" BSP x 20 tpi
	14	RH	External	3/8" BSP
	15	LH	External	3/8" BSP
DIN 477	1	LH	External	21.80mm x 14tpi
	5	LH	External	1"
	6	RH	External	21.80mm x 14tpi
	8	RH	External	1"
	9	RH	External	3/4"
	10	RH	External	24.32mm x 14tpi
	13	RH	External	5/8"
	14	LH	External	19.0 x 1.5mm
CGA	330	LH	External	0.825" x 14tpi
	350	LH	External	0.825" x 14tpi
	580	RH	Internal	0.965" x 14tpi
	660	RH	External	1.030" x 14 tpi






# Cylinder shoulder colours

## By hazard property

Flammable	Red	
Toxic or corrosive	Yellow	
Inert	Bright green	
Oxidising	Pale blue	

Note: More than one hazard property may be shown on the cylinder shoulder e.g. red and yellow

## By specific gas

Argon	Dark green	
Carbon dioxide	Dusty grey	
Helium	Brown	
Nitrogen	Black	
Nitrous oxide	Dark blue	
Oxygen	White	