BOC
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Special products ID chart

Pure gases

Material	Size	Height (m)	External diameter (m)	Empty weight (kg)	Water capacity (l)	Max working pressure (bar)	Nominal Contents (m3)*
Low pressure welded steel	BA	0.43	0.27	9	11.3	20	0.23
Low pressure welded steel	BAZ	0.48	0.23	8	11.34	31.3	0.36
Low pressure welded steel	BE	1.19	0.38	51	108.4	20	2.25
Low pressure welded steel	BD	0.84	0.32	30	54.5	20	1.13
Low pressure welded steel	E3	1.02	0.22	18	32	23.9	0.79
Chromium-molybdenum steel	L	1.54	0.23	70	50	200	9.92
Chromium-molybdenum steel	V	0.88	0.14	19	10	200	1.98
Chromium-molybdenum steel	BC	0.43	0.1	6	2	200	0.40
Carbon-manganese steel	L	1.7	0.23	93	50	150	7.45
Carbon-manganese steel	J	1.46	0.23	75	47.2	137	6.43
Carbon-manganese steel	V	0.9	0.14	24	10	150	1.49
Aluminium alloy	AL	1.53	0.25	60.5	50	200	9.92
Aluminium alloy	AK	1.51	0.23	52	40	200	7.94
Aluminium alloy	AJ	1.21	0.23	42	31.5	137	4.29
Aluminium alloy	AY	0.96	0.18	19	15	200	2.98
Aluminium alloy	AV	0.68	0.18	16	10	200	1.98
Aluminium alloy	AH	0.48	0.15	7.6	5	200	0.99
Aluminium alloy	AZ	0.29	0.1	2.3	1.22	200	0.24
Carbon-manganese steel	Y	0.91	0.2	49	20	150	2.98

* (Volume of perfect gas expanded to 1ATM ABS pressure at 15°C)
Welded steel cylinders are used for low pressure liquefiable gases, such as Propane and Ammonia and liquid mixtures
Carbon-manganese steel cylinders are primarily used for corrosive/components such as Hydrogen Chloride and Fluorine

Gas mixtures

Legislation aimed at standardising gas cylinder colours across Europe is being introduced. As a result, the folowing 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

The body colours of BOC Speciality gas cylinders are split into three categories as indicated below (The colours in this chart provided is an indication only, actual may vary)

- Grey/ brushed aluminium — UKAS certified*, High accuracy, Standard accuracy and uncertified
- Green — Medical
- Light blue — Food fresh (MAP)

* UKAS certified may also have a blue body

BOC/606430/REF/UKS/0817