Argon

Batch – The product is filled on a manifold and Air Products carries out statistical batch analysis on cylinders from the same batch to verify conformance to the advertised specification.

Individual – The product is filled on a manifold, but each cylinder is individually analysed to verify conformance to the advertised specification.

Grade Overview

	Argon Technical	Argon Premier	Argon BIP	Argon BIP Plus
Purity	99.998%	99.9992%	99.9999%	99.99996%
Analytical Verification	N/A	BATCH	BATCH	Individual
Oxygen	3	1.5	0.01	0.01
Nitrogen	–	4	1	0.3
$CO+CO_2$	–	–	0.1	0.05
Water	1	2	0.02	0.02
THC	–	0.1	0.1	0.05

Argon Premier 5.2 (Rental Groups)

Product	PR Code	Size	Valve	Pressure	Contents
Argon Premier 5.2 (D02)	26032	X47	BS3	200 bar	9.5 m^3
Argon Premier 5.2 (D09)	25928	11X47S	BS3	200 bar	103.7 m^3

Argon BIP 6.0 (Rental Groups)

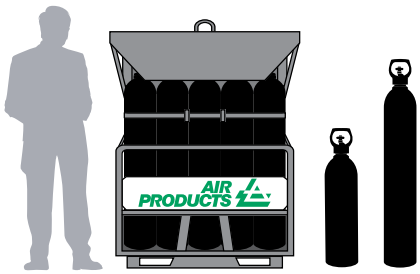
Product	PR Code	Size	Valve	Pressure	Contents
Argon BIP 6.0 (D02)	53959	X10	BS3	200 bar	2 m^3
Argon BIP 6.0 (D02)	25919	X47	BS3	200 bar	9.5 m^3
Argon BIP 6.0 (D09)	36045	12X50S	BS3	200 bar	120.3 m^3

Argon BIP Plus 6.6 (Rental Groups)

Product	PR Code	Size	Valve	Pressure	Contents
Argon BIP Plus 6.6 (D02)	18854	X47	BS3	200 bar	9.5 m^3

Mode of Supply

For further information, please refer to mode of supply sheet



11X47, 18X50 X10 X47

Synopsis – Argon

BIP® technology removes oxygen and moisture from ultra-high purity gas making it ideal for any application where these are critical impurities. Benefits include:

< 100 parts per billion H_2O, and
< 20 parts per billion O_2

For ICP:

- Less shielding effects on signals for some metals, and less carbon deposits on mirrors that cause reduced signal based on low THC impurities.
- Ideal for instruments with 'cooled chip' technology damaged by H_2O contamination.
- Perfect for ICP-MS based on its ultra-low impurities of H_2O, O_2, THCs and N_2 which can all have interfering effects. A 0.5 micron particle filter within the valve eliminates interfering particles that contain metals.

More useable gas per cylinder – Reduced gas costs, and less cylinder changeovers. Elimination of external inline purifiers meaning no initial purchase costs, less analyser downtime, no maintenance costs, no purifier disposal issues, no purifier saturation, more accurate analysis, and a more environmentally friendly solution for delivering ultra-high purity gas.

Consistent gas supply – No 'rogue' cylinders. BIP gas is never a source of contamination.

Argon BIP Plus features even higher overall purity based on improved specifications of other often critical impurities such as total hydrocarbons, CO, CO_2 and N_2.

Certificates of conformity are available on request for all grades of ultra-high purity Argon.

Cylinder and Pack Specifications

Size	Pressure	Height	Diameter	Width	Length	Empty Weight	Full Weight
X10S	200 bar	655 mm	176 mm	–	–	20.00 kg	23.31 kg
X47S	200 bar	1525 mm	230 mm	–	–	66.93 kg	82.66 kg
11X47S	200 bar	1963 mm	–	680 mm	1000 mm	1045.53 kg	1217.31 kg
12X50S	200 bar	1900 mm	–	965 mm	735 mm	1026.00 kg	1225.28 kg