



Argon, Ar (gaseous, compressed)

Designation	Argon med. W21.8
Gas type	7203
Material number	72030177
Purity, % [V/V]	Ar ≥ 99.998
Minor components, ppm [V/V]	O ₂ ≤ 5.0
	H ₂ O ≤ 10.0
	Insgesamt ≤ 20.0
	*)

Delivery types	Aluminium cylinders, filling pressure 200 bar (15°C)			
Standard containers	Geom. Vol.	Guide values for mass and weight		Comments
	Liter	Diam. mm	Height mm	Gross wt. kg
	5	140	610	8
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Marking	Color coding (shoulder)	Emerald green, RAL 6001		
	Embossing	ARGON		
	Labeling	Quality label, batch no./expiry date		
	CE labeling	MD 1250		
	Medical device class	IIa		
	Barcode	✓		
	Valve connection	W21.8 x 1/14" (DIN 477 Type 6)		
Other delivery forms	Medical device in container with valve	W24 (ISO 5145 Nr. 4)		

*) The analytical methods comply with the regulations of Ph.Eur (current version)



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Conversion figures	m ³ Gas (1,000 bar and 15 °C)	Liter of liquid (boiling point at 1.013 bar)	kg
	1	1.197	1.669
	0.835	1	1.394
	0.599	0.717	1
Features	Argon is a colorless and odorless noble gas that is present in the air at 0.93% by volume. Argon is non-flammable and non-toxic.		
	Chem. sign	Ar	
	Molar mass	39.95 g/mol	
	Triple point	Temperature	83.8 K (-189.4 °C)
		Print	687 mbar
	Boiling point at 1.013 bar	Heat of fusion	29.3 kJ/kg
		Temperature	87.3 K (-185.9 °C)
	Critical point	Heat of evaporation	160.8 kJ/kg
		Temperature	150.8 K (-122.4 °C)
	Relative density of the gas compared to air (1 bar/15 °C)	Print	48.7 bar
		Density	0.538 kg/liter
Safety Data Sheet	Please note the following information in the safety data sheet with the number 10021700		
Safety recommendation	Additional "Safety Recommendations" sheets: A02: Correct handling of gas cylinders (german)		
Disclaimer	All information in the product data sheet corresponds to the current state of knowledge. PanGas AG constantly checks and updates the information and reserves the right to make changes or additions to the information provided. Despite all due care, data may have changed in the meantime. Therefore, no liability or guarantee can be assumed for the topicality, correctness and completeness of the information provided. Each user is responsible for ensuring that all relevant legal requirements are complied with and that the products described here are suitable for their intended use. The information on this product data sheet does not constitute a contractual assurance of product properties. The reproduction of information, text, images or data requires the prior consent of PanGas AG.		