



Scientific and Technical Gases Ltd
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**WORLDWIDE
SUPPLIER OF
QUALITY GAS
PRODUCTS
AND SERVICES**



STG/20/10.10



50ST/50AL - 50 LITRE STEEL/ALUMINIUM HIGH PRESSURE CYLINDERS

CONTENTS

Water Capacity - 50 Litres - 7500L gas.

SERVICE PRESSURE

150bar.

DIMENSIONS

AL Height 1550mm, Diameter 250mm.

ST Height 1520mm, Diameter 230mm.

WEIGHTS

- **AL** - 57kg
- **ST** - 70kg.

MATERIAL & VALVE TYPE

Aluminium - for reactive gases.

Steel - for non-reactive gases.

- British (BS).
- Europe (DIN).
- U.S.A. (CGA).

STANDARDS

NPL, UKAS or NIST standards.

Manufactured gravimetrically to ISO 6142. ISO 17025 also available.

EQUIPMENT

- Single Stage Brass - StG - B1
- Two Stage Brass - StG - B2
- Single Stage Stainless Steel - StG - S1
- Two Stage Stainless Steel - StG - S2

HP REGULATOR CODING

Scientific and Technical Gases		Regulator Material B = Brass S = Stainless Steel	
StG - B1 - 10 - BS4 - 14F			
STAGES 1 = Single Stage 2 = Two Stage	Maximum Outlet Pressure e.g. 10bar	INLET FITTING* e.g. BS3 / BS4 / BS15 *CGA and DIN available	OUTLET CONNECTION 14F = 1/2" NPT Female 14M = 1/2" NPT Male 14SW = 1/2" Compression 14HB = 1/2" Hosebarb Options for 3/8" available

WARRANTY

Non-reactive gases	up to 36 months
H ₂ S, SO ₂ and 4 gas mixtures	24 months
NO, NH ₃ , HCN, ETO	up to 24 months
Cl ₂ (min 5ppm)	12 months
HCl (min 5ppm)	up to 12 months
NO ₂	12 months

Cylinder heights are to the centre of outlet valve. Add 100mm or total absolute height with guard or cap. The above weights are cylinder and valve without contents.



MIXTURE TOLERANCES

Minor components are certified to the following analytical tolerance

- 2-20ppm = +/- 10%
- 21- 50ppm = +/- 5%
- 51-300ppm = +/- 2%

