

# 30ST/30AL - 30 LITERS STEEL / ALUMINUM HIGH PRESSURE CYLINDERS

Gas Capacity (base in O<sub>2</sub>): 4.3 to 4.5 m<sup>3</sup> / 152 to 159 ft<sup>3</sup>

<b>1.- Contents</b>		
Water Capacity: - 29.5 to 30 Liters / 1800 to 1830 in <sup>3</sup>		
Gas Capacity (base in O <sub>2</sub> ): 4.3 to 4.5 m <sup>3</sup> /152 to 159 ft <sup>3</sup>		
Cylinder Reference: AL150 - Luxfer N150		
<b>2.- Service Pressure</b>		
153 bar / 2200 psi		
<b>3.- Dimensions</b>		
AL/ST Height 1216mm(47.9 in),Diameter 203mm (8.0 in)		
<b>4.- Weights</b>		
AL/ST 22.0 Kg(48.50 lb)		
<b>5.- Material and Valve Type</b>		
Aluminum - for reactive gases. Steel - for non reactive gases.		
<ul style="list-style-type: none"> <li>•British (BS)</li> <li>•Europe (DIN)</li> <li>•USA (CGA)</li> </ul>		
<b>6.- Standards</b>		
EPA,NPL,UKAS or NIST Standards. Manufactured gravimetrically to ISO 6142. ISO 17025 is available.		
<b>7.- Equipment</b>		<b>8.- Mixture Tolerances</b>
<ul style="list-style-type: none"> <li>• Single Stage Brass</li> <li>• Two Stage Brass</li> <li>• Single Stage Stainless Steel</li> <li>• Two Stage Stainless Steel</li> </ul>	Minor components are certified to the following analytical tolerance 2-20 ppm = +/- 10%    21-50 ppm = +/- 5% 5-300 ppm = +/- 2%	
<b>9.- Warranty</b>		
Non reactive gases	Up to 36 months	
H <sub>2</sub> S, SO <sub>2</sub> and 4 gas mixtures	24 months	
NO, NH <sub>3</sub> , HCN, ETO	Up to 24 months	
Cl <sub>2</sub> (min 5 ppm)	12 months	
HCl (min 5 ppm)	Up to 12 months	
NO <sub>2</sub>	12 months	

**Note 1.-**Cylinder heights are to the center of the outlet valve. Add 100 mm or total absolute height with guard or cap. The above weights are cylinder and valve without contents and dimensions are approx. Cylinder can have different dimensions if steel material is using. **Note 2.-** Filling pressure and capacity of cylinder can change after filling, because depend of Gas Mixes, but in general the filling pressure is above 2000 psi for the capacity showed above. **Note 3.-** Cylinder with other dimension, special sizes, special connections are available on request.



**INTRIAL S.A.C. RUC: 20510165561**

Calle Fray Luis de León N° 242 (Piso 1) – San Borja – Lima 41 – Perú

Tel: +51-1-719595 | Fax: +51-1-7188961 | e-mail: ventas@intrial.com.pe | Web: www.intrial.com.pe

INTRIAL Nuestro conocimiento,tu seguridad.

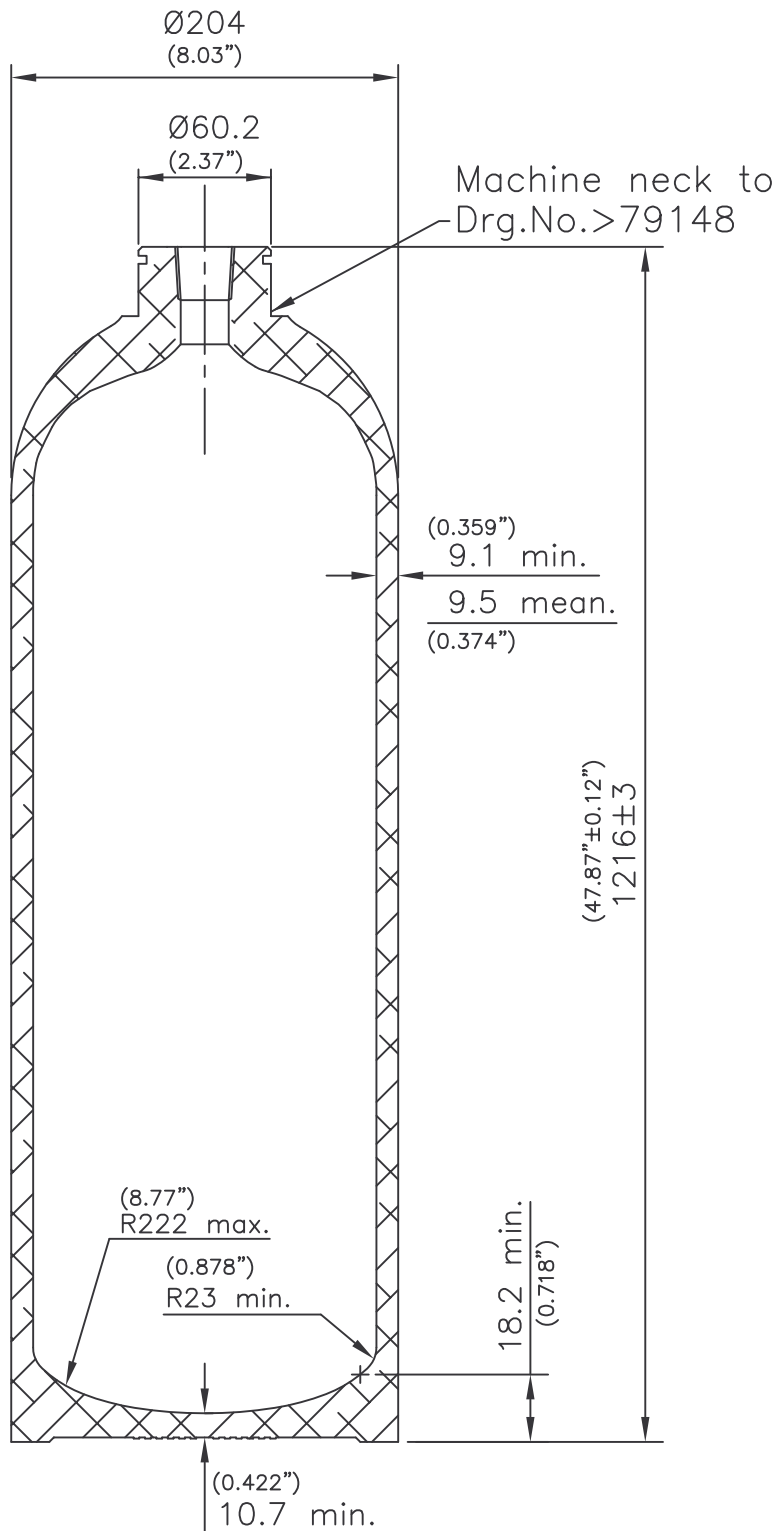
Ingrese a nuestro sitio web escaneando el código





# Luxfer Gas Cylinders Ltd.

Colwick, Nottingham, England.



© Luxfer Gas Cylinders Ltd. 2008

The copyright of this drawing belongs to Luxfer Gas Cylinders. The drawing is supplied on the express terms that it is to be treated as private and confidential and is not to be copied or communicated to any other person. It is not to be used for the purpose of construction or manufacture unless expressly authorised for that purpose on each occasion that it is used.

Water Capacity (min.)	29.5 lt (1800 cu in.)
Estimated Empty Wt.	22 kg (48.5 lb)
Thread Spec.	0.750" - 14 NGT

### CYLINDER PRESSURES

Charging @ 15.0°C	(2015 psi) 139 BAR
Test	(3359 psi) 232 BAR
Min. Burst	(5038 psi) 348 BAR

Material:	Aluminium alloy AA 6061 T6
UTS min.	(49893 psi) 344 N/mm <sup>2</sup>
0.2% Proof Stress min.	(42787 psi) 295 N/mm <sup>2</sup>
Elongation, on 2"	14% min.

4	M5168	17.11.08
3	M5114	15.05.08
2	M5090	30.01.08
1	ORIG.	10.01.08
Issue	Mod. No.	Date
	Signature	Date
Drawn	D.W.	17.11.08
Checked	A.S.N.	17.11.08

The design and manufacture of this container conforms to :  
DOT-3AL & TC-3ALM

Equivalent to:  
N150-P3A

Based on Approved Type:  
P3299BY

All dimensions in mm u.o.s.

Title:  
NM29.5 USA P3284BY

N204E30BY