

Oxygen & Argon Works Ltd.	TD-00.003	
Product Manufacturing Control	Issue: A	Date: 04/09/94
TECHNICAL DATA	Sheet 1 of 1	

PRESSURE CONVERSIONS

	bar	atm	at	lb/in ²
bar [100KPa]	1.0000	0.9869	1.0197	14.5032
atm [760 mmHg]	1.0133	1.0000	1.0332	14.6959
at [1Kg/cm ²]	0.9807	0.9678	1.0000	14.2230
lb/in ² [psi]	0.0689	0.0681	0.0703	1.0000

EQUILIBRIUM STORAGE TEMPERATURE [boiling point] OF LIQUID OXYGEN / NITROGEN

MOISTURE CONTENT OF GASES Dew Point / VPM Moisture

PRESSURE	Storage/bp Temp.	
	bar g	LOX. °C
0.0	-184.0	-196.0
0.5	-179.5	-192.0
1.0	-176.0	-189.5
1.5	-173.0	-187.5
2.0	-171.0	-185.0
4.0	-164.0	-179.0
6.0	-159.0	-174.5
8.0	-155.0	-171.0
10.0	-151.5	-168.0
12.0	-148.5	-165.0
14.0	-145.5	-163.0
16.0	-143.5	-161.0
18.0	-141.5	-159.0
20.0	-139.0	-157.5
25.0	-135.0	-153.0
30.0	-130.5	-149.5

D.P. °C	VPM H ₂ O
-42.0	101.0
-44.0	80.1
-46.0	63.2
-48.0	49.7
-50.0	38.8
-52.0	30.2
-54.0	23.4
-56.0	18.2
-58.0	13.9
-60.0	10.6
-62.0	8.1
-64.0	6.1
-66.0	4.6
-68.0	3.4
-70.0	2.6
-72.0	1.9
-74.0	1.4
-76.0	1.0

Originator:	Date:	Approved:	Date:
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