

<b>Contents</b>	<b>Page</b>
1 Introduction.....	1
1.1 Scope .....	1
1.2 Other specifications .....	2
1.3 Application of the publication.....	2
1.4 Definition of terms.....	3
2 Compressor installation.....	3
2.1 Hazard area.....	3
2.2 Safety barrier .....	5
2.3 Location.....	9
2.4 Fire protection and precautions .....	9
3 Compressor design .....	10
3.1 Design criteria.....	10
3.2 Materials, general.....	10
3.3 Compressor parts—cylinders, cylinder liners distance piece and crankcase.....	11
3.4 Drivers .....	13
3.5 Compressor dynamic analysis, verification tests and data to be provided.....	13
3.6 Earthing/Grounding .....	13
4 Auxiliaries design .....	13
4.1 Cooling .....	13
4.2 Pulsation and damping.....	15
4.3 Process pipework .....	15
4.4 Valves.....	16
4.5 Main suction filter.....	16
4.6 Lubricating oil system .....	17
4.7 Controls and instrumentation.....	17
5 Inspection and shipping.....	21
5.1 Introduction—publication .....	21
5.2 Responsibility .....	21
5.3 Inspection and cleanliness standards.....	21
5.4 Preservation of oxygen cleanliness during shipping and storage .....	21
6 Erection, testing, and commissioning.....	22
6.1 Erection .....	22
6.2 Testing and commissioning.....	23
7 Operation.....	24
7.1 General.....	24
7.2 Qualifications and training for operating personnel .....	25
7.3 Hazard area.....	25
7.4 Record of machine operation .....	25
7.5 Monitoring critical operating parameters .....	25
7.6 Interlock systems.....	25
7.7 Startup procedures .....	25
8 Maintenance.....	26
8.1 General.....	26
8.2 Compressor checks.....	27
8.3 Spare parts .....	27
9 Instruction manual.....	27
9.1 General.....	27
9.2 List of minimum Information .....	27