

Objective

To secure the safety of people at work from the uncontrolled release of stored pressure energy.

The regulations apply to

Users/owners of a system that contains a relevant fluid and at least one pressure vessel exceeding 250 bar.litres. They **must by law** have a written scheme of examination **before the system can be operated** and shall have the system examined within the intervals specified.

Relevant fluids

- Compressed air over 0.5 bar g
- Steam at any pressure
- Hot Water over 110°C
- Gases over 0.5 bar g
- Liquids where vapour pressure over 0.5 bar g is generated at a temperature over 17.5°C

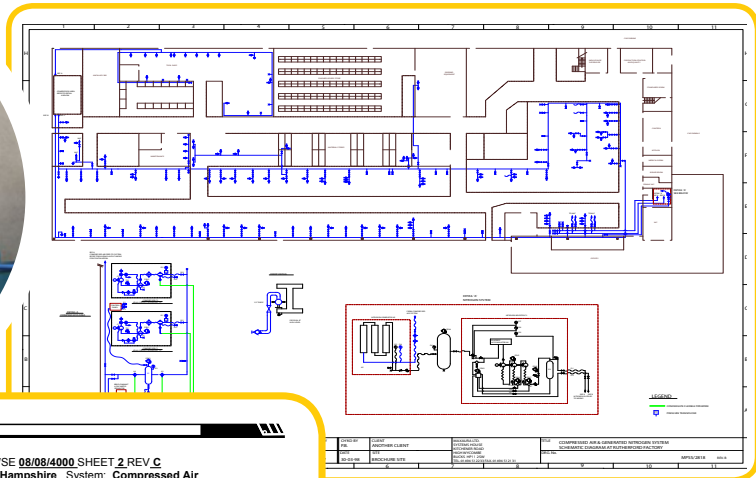
The Regulations require the 'User/Owner' to

- Establish the safe operating limits of the pressure system and durably label this information so it is legible and clearly visible - *Regulation 7.*
- Have a suitable written scheme of examination (WSE) drawn up and/or certified by a competent person for the examination at appropriate intervals of pressure vessels, all protective devices, and any pipework that is potentially dangerous - *Regulation 8.*
- Arrange to have examinations carried out by a competent person at intervals set down in the written scheme of examination - *Regulation 9.*
- Provide adequate operating instructions to ensure the system is operated within its safe operating limits and emergency instructions - *Regulation 10 & 11.*
- Ensure that the system is properly maintained - *Regulation 12.*
- Keep adequate records for the system, including maintenance history, the most recent examination and any suppliers' records supplied with new or used plant - *Regulation 14.*



How we assist in achieving compliance

- Survey your system and report our findings.
- Establish the safe working limit of the system.
- Draw up the Written Schemes of Examination (WSE) and set the examination intervals.
- Produce a 'real place' schematic diagram of the system on CAD and identify the critical components with unique tag numbers.
- Create a Regulations Compliance Management Dossier incorporating the Written Schemes of Examination, schedules, procedures, drawings and supporting information to demonstrate safe systems compliance management for the benefit of company or Health & Safety Executive audits.
- We remove, examine/test, and refit the necessary critical components, eliminating the need for you to employ a third party.
- Our bespoke computer software maintains the records for the systems and gives six weeks' notification of when components are due for examination. This allows the work to be scheduled at a time that is most convenient for your processes and production.



5. SCHEDULE OF PARTS OF SYSTEM UNDER WRITTEN SCHEME NUMBER WSE 08/08/4000 SHEET 2 REV C
 User/ Owner: **Manufacturing Technology Limited**, System Location: **Eastleigh, Hampshire**, System: **Compressed Air**

Tag No.	Serial No.	Component Description	Equipment Safe Operating Limits				Critical YES/NO	W.S.E. Procedure No.	Exam Period (months)	Last Exam.	Next Exam. Due
			Max P Bar.g	Min P Bar.g	Max T Deg.C	Min T Deg.C					
C 1	2161594	Compressor, Ingersoll Rand, Model SSRM.11, Oil injected rotary	7.5	0			No				
C 2		Compressor, Airtek, M20, Reciprocating, 4 kW	8	0			No				
F 1		Filter, SMC, 1" BSP, AMR650-140	10				No				
F 2		Filter, Norpro, V454-050-R30, 1" BSP	17				No				
F 4		Filter, Ingersoll Rand, 1/2" RH-E64	16				No				
FD 1	236884000	Refrigerant Air Dryer, Ingersoll Rand, D5018883543452301150	16	1	50	5	No				
G 1		Pressure Gauge, 50mm Dial, Range 0-160 psi	11.03	0			Yes	6.2.1.B	12	04/03/2005	04/03/2006
G 2		Pressure Gauge, Wika, 50mm Dial, Range 0-20 Bar	20	0			Yes	6.2.1.B	12	04/03/2005	04/03/2006
G 3		Pressure Gauge, 50mm Dial, Range 0-15 Bar	15	0			Yes	6.2.1.B	12	04/03/2005	04/03/2006
PRV 1		Pressure Relief Valve, Soehnle, Set 8.25 Bar, 3/8"	8.25				Yes	6.3.1.B	12	04/03/2005	04/03/2006
PRV 2		Pressure Relief Valve, Soehnle, Set 8.25 Bar, 3/8"	8.25				Yes	6.3.1.B	12	04/03/2005	04/03/2006
PRV 3		Pressure Relief Valve, Soehnle, Set 12 Bar, 1/2"	12				Yes	6.3.1.B	12	04/03/2005	04/03/2006
Rec 1	6810	Vertical Air Receiver, A. Metal Products, Part No. 92542630, April 1991, 1P 18.6 Bar, 250 Litre	11	0	200	-10	Yes	6.1.1.B	26	07/06/2004	07/06/2006
Rec 2	L36269	Horizontal Air Receiver, Galeser Italia, 200 Litre, 22/05/1988, 1P 18 Bar	12	0	100		Yes	6.1.1.B	26	07/06/2004	07/06/2006
Rec 3	10934212	Vertical Air/Oil Receiver, Rednal Pneumatics, Part No. 89207054, 8 Litre, February 1995	16.2	0	120	-10	Yes	6.1.2.B	72	07/06/2004	07/06/2010
STV 1		Stop Valve, 1" BSP	20				No				
STV 3		Drain Valve, 3/8" BSP	20				Yes	6.7.1.A	12	04/03/2005	04/03/2006
STV 5		Stop Valve, 1/2" BSP	20				No				
STV 6		Drain Valve, 1/2" BSP	20				Yes	6.7.1.A	12	04/03/2005	04/03/2006



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