

Management Responsibility

(Better to be safe than sorry)

January 2012 Paper



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FLOWTECH
EXCEEDING EXPECTATIONS



Management Responsibility

Foreword

Increased awareness of the need to ensure the health and safety of the users of pneumatic equipment has led to the unprecedented levels of industry regulation, for example, the corporate manslaughter act is now in force, placing even greater responsibility with business owners to ensure the safety of their employees. The repercussions are serious, potentially including heavy fines, damaging publicity and even the possibility of criminal charges for managers.

Likewise, as of 15th November 2010, ISO 4414 will integrate EN983 and Safety standard 2006/42/EC, as well as additional standards for machine safety, to become EN ISO 4414 (ISO 4414 outside of Europe). This will become the primary standard for workplace safety, requiring stringent measures to be taken to increase the safety of pneumatic applications.

The changes will include a number of important refinements and revisions to increase operator safety still further. Perhaps most pertinent to the managers and operators of applications using compressed air is the section of the failure of hose assemblies and plastic piping (EN ISO 4414-5.4.5.11.1 / ISO 4414-5.4.5.11.1). The proposed revision states that when the failure presents a whiplash hazard, it must be restrained or shielded; (*See Below - AIR FUSE*). This additional recommendation of the use of air fuses to ensure the safety of pneumatic application is the result of considerable advances in air fuse technology in recent years.

(AIR FUSE)

5.4.5.11.1 When failure of a hose assembly or plastic piping constitutes a whiplash hazard, it shall be restrained or shielded by suitable means. In addition to, an air fuse for compressed air should be installed.



Flowtech Products which can be utilised in the following applications:

Regulations OSHA PUWER & MSHA (USA):

Standard – 29 CFR, 1910.242 (partial):

- b) Compressed air used for cleaning – Compressed air shall not be used for cleaning purposes except where reduced to less than 30 psi and then Only with effective chip guarding and personal protective equipment.

BY MOUNTING A FLOWTECH CARTREG MINIATURE PRE-SET REGULATOR AND HOSEGUARD AIR FUSE YOU FULLY CONFORM WITH THIS REGULATION

Cartreg miniature reg

For further information see
page 289, 2011 / page 333, 2012



Air Fuse

Standards – 29 CFR, 1915.131 –
e) (partial) & 29 CFR, 1915.302 (partial):

- e) Before use, pneumatic tools shall be secured to the extension hose or whip by some positive means to prevent the tool from becoming accidentally disconnected from the whip.

For further information see
page 910, 2011 / page 875, 2012



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Air Fuse

29 CFR, 1915.302 (partial):

(b) (1) pneumatic power tools shall be secured to the hose or whip by some positive means to prevent the tool from becoming accidentally disconnected from the whip.

For further information see
page 910, 2011 / page 875, 2012



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Air Fuse

(b) (3) all pneumatically driven nailers, staplers and other similar equipment provided with automatic fastener feed, which operate at more than 100 psi pressure at the tool shall have a safety device on the muzzle to prevent the tool from ejecting fasteners, unless the muzzle is in contact with the work surface.

For further information see
page 910, 2011 / page 875, 2012



BY MOUNTING A FLOWTECH TOOL REG PRE-SET REGULATOR WITH RELIEF OF THE SECOND PRESSURE YOU FULLY CONFORM WITH THIS REGULATION

Tool Reg

(b) (7) all hoses exceeding 1/2" inside diameter shall have a safety device at the source of the supply or branch line to reduce pressure in case of the hose failure.

For further information see page 289, 2011 / page 333, 2012



BY MOUNTING A FLOWTECH HOSEGUARD AIR FUSE YOU FULLY CONFORM WITH THIS REGULATION

Air Fuse

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