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# **11 tips to increase safety when working with compressed air**



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# 1. Retractable hose reels in an overhead position

By having the hose reels installed in an overhead position will not only keep the floor area clear, but also make them more accessible for workers.



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## 2. High visibility hoses

In cases where hoses are left on the ground, hoses should be in a color that pops out from the floor making them more visible. Instead of tripping over the hose, the workers can easily spot it and step over it.



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## 3. Safe retraction

A hose reel with controlled retraction speed securely and precisely guides the hose into the casing. This can prevent injuries to workers and damage to material surfaces caused by uncontrollably retracting hoses attached with both quick connect couplings and tools.



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## 4. Trip-proof stop ball

Hose reels are typically equipped with a hard stop ball in either a spherical or cylindrical shape. Accidentally stepping on the stop ball will be a risk of tripping accidents or injuries such as sprains or tears. By using a hose reel with a soft stop ball, the ball will collapse instead of rolling away, minimizing the risk of accidents.



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## 5. Soft covers

Using soft covers on the quick connect couplings protects surrounding objects from damage, and the abrasion-resistant surface protects the quick coupler from external influences and thus from damage, extending the expected lifetime of the coupling.



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## 6. Check the equipment

Always check that both the hose and the quick couplings are in good working condition before use. A damaged hose may swell and burst. Damaged equipment should be replaced immediately. Dirt on and in a quick connect coupling can cause malfunction with serious injuries as a result.



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## 7. Vented quick connect couplings

A vented safety coupling releases the downstream pressure before the coupling is disconnected. There will be no hose whip recoil and the vented air will just make a discreet fizz.



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## 8. Safe blowguns for cleaning purposes

When dead-ending a blowgun, the static pressure at the main orifice of the blowgun should not exceed 30 PSI (2 bar). Always use a safety blowgun for cleaning purposes to avoid the dangerously high air pressure getting in contact with the body.



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## 9. Blowguns with chip guard

An effective chip guarding prevents the chips or particles, of whatever size, from being blown into the eyes or unbroken skin of the operator.



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## 10. Low-noise blowguns

Use a blowgun with a low noise level whenever noise exposure levels exceed an 8-hour, time-weighted average sound level of 85 db(A).



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# 11. Follow local regulations and standards

To ensure safety and quality, make sure that the equipment that is being used is according to local market regulations and standards.



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