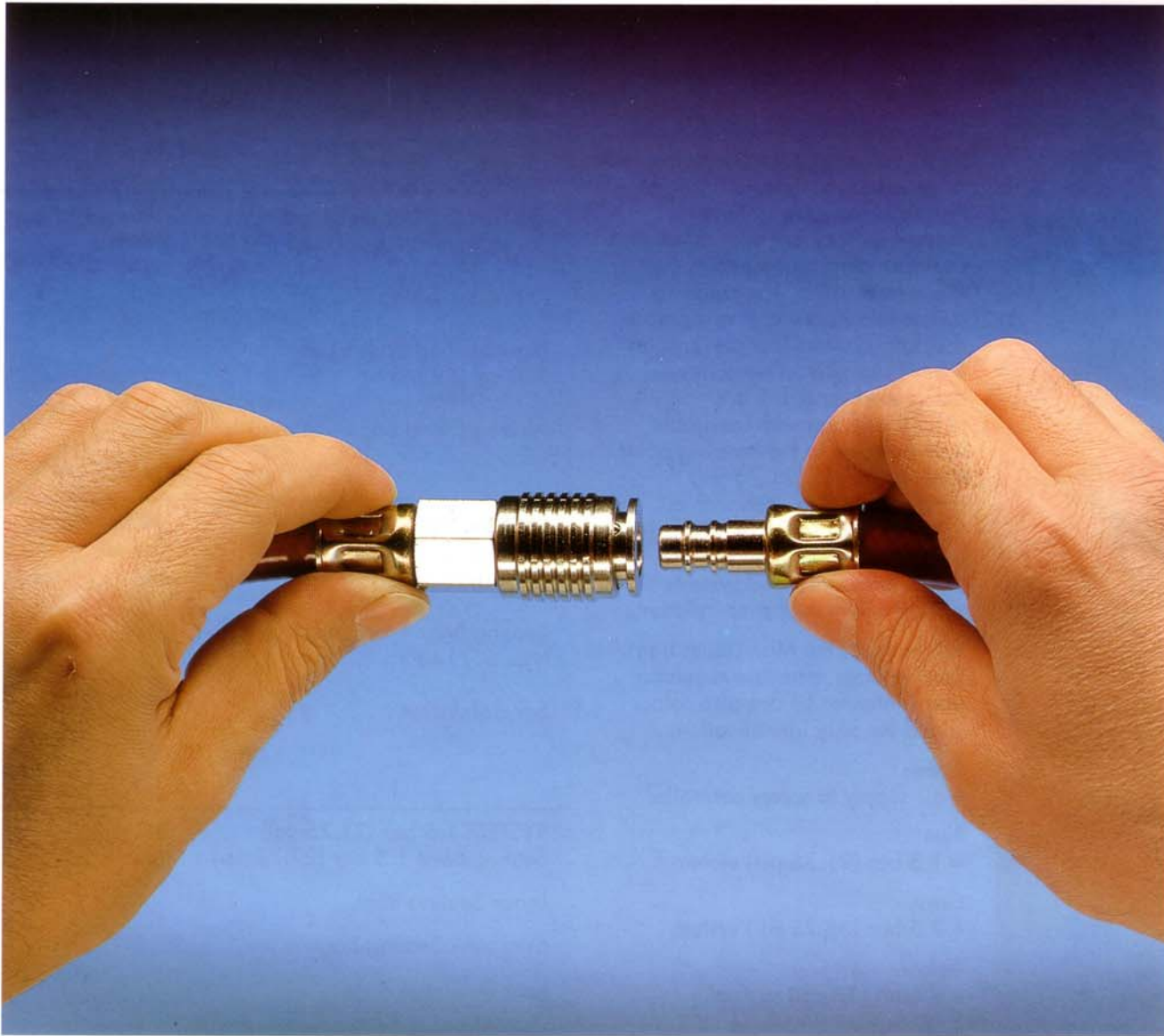


# VETTER COUPLING SYSTEM



The Vetter coupling system prevents bags being inflated without interposing a controller with safety valve between bags and compressed-air source.

Without the Vetter system, bags could be inflated direct and burst through over-inflation from excessive pressure from the pressure regulator or the connector kit.

The system prevents the controller being by-passed and the risk of over-inflating the bags through direct connection to the pressure regulator, since the couplings of the pressure regulator and connector kit fit only on the inlets of the safety controller but not on the bag couplings (0.5, 1, 1.5, 2.5 and 8 bar bags (7.25, 14.5, 21.75, 36.25 and 116 psi).

The controllers are equipped with safety valves and pressure gauges tailored to the pressure rating of the individual bag systems to prevent inadvertent over-inflation. Each pressure range has its own special controller. The coupling outlets and hoses form a separate coupling system: This prevents an 8 bar (116 psi) safety controller being used for a 1.5 bar (21.75 psi) bag with inevitable over-inflation to the bursting point. However, a 1.5 (21.75 psi) controller can be used with a 2.5 or 8 bar (36.25 or 116 psi) bag, since the couplings fit the higher pressure-rated systems without any risk of over-inflation.

The hoses of the Mini Lifting Bags, Sealing Bags, pressure regulator and connector kit are also colour-coded for easy identification:

- Green  
= air supply to safety controller
- Blue  
= 1.5 bar (21.75 psi) system
- Grey  
= 2.5 bar (36.25 psi) system
- Yellow  
= 8 bar (116 psi) system
- Red  
= 8 bar (116 psi) system

Produkts	Hoses
<b>Air supply</b> up to safety controller for all products  Pressure regulator  Universal connector kit  Vacuum Leak Sealing Bags	10 mm (0.4 in.) i.d. green
<b>SYSTEM 0.5 bar (7.25 psi)</b> Lifting Bags 0.5 bar (7.25 psi)  Pneumatic Lifting Sleeve  Maxi Sealing Bags over 160 cm (62 in.)  Aircraft Lifting Bags	19 mm (0.75 in.) i.d. yellow red
<b>SYSTEM 1 bar (14.5 psi)</b> Lifting Bags 1 bar (14.5 psi) (export)  Sealing Bags 1 bar (14.5 psi) type 80/140  Spezial design	19 mm (0.75 in.) i.d. yellow red
<b>SYSTEM 1,5 bar (21.75 psi)</b> Sealing Bags 1.5 bar (21.75 psi)  Leak Sealing Bags  Mini Leak Sealing Bags  Leak Drainage Bags  Leak Bandages  Leak Sealing Lance	10 mm (0.4 in.) i.d. blue
<b>SYSTEM 2,5 bar (36.25 psi)</b> Sealing Bags 2.5 bar (36.25 psi)	10 mm (0.4 in.) i.d. grey
<b>SYSTEM 8 bar (116 psi)</b> Mini Lifting Bags 8 bar (116 psi)  Super Mini Lifting Bags	10 mm (0.4 in.) i.d. yellow red