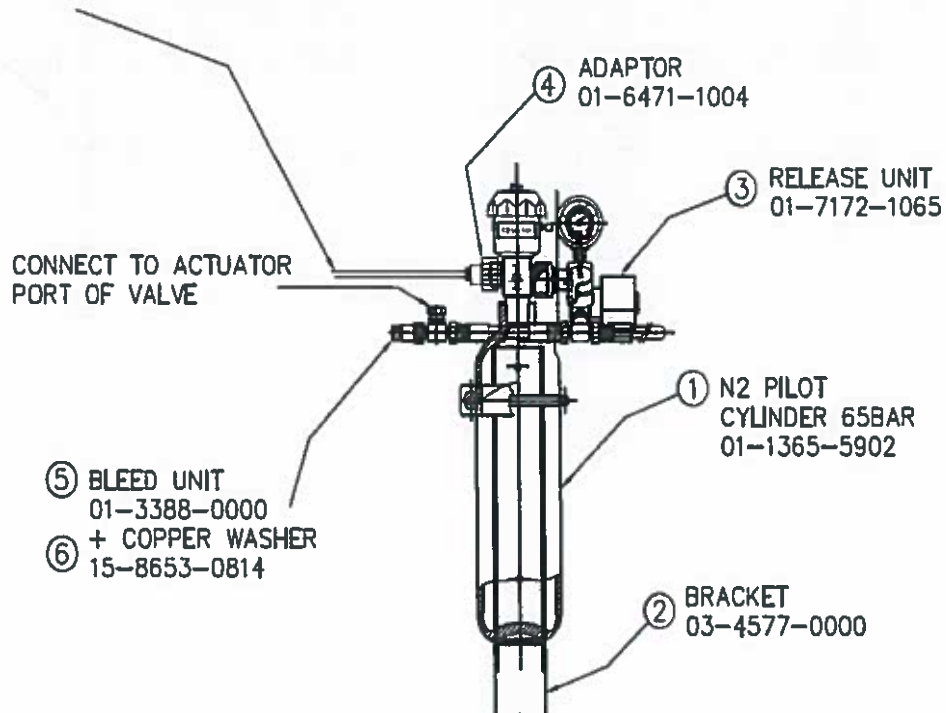


**4.8 N2 Pilot Cylinder Release Unit Assembly (D9226-017 ISS)
FM approved.**

4.8.1 The following release unit to be used for actuation of TPED pilot cylinder

Note: see section 14.4.1 above.

FLEXIBLE PILOT LOOP (LONG) K93434
(TO BE ORDERED SEPARATELY)



ITEM	PART NO.	QTY	DESCRIPTION
1	01-1385-5902	1	TPED N2 PILOT CYLINDER 65 BAR 2L
2	03-4577-0000	1	BRACKET - 2L PILOT CYL DIA - 100mm
3	01-7172-1065	1	RELEASE UNIT 65 BAR C/W PG/MAN ACTU.
4	01-6471-1004	1	ADAPTOR
5	01-3388-0000	1	BLEED UNIT
6	15-8653-0814	1	COPPER WASHER

		Height to Underside of Manifold
Cyl. Size (kg)	Cyl. Part No	Flexible Hose K97112
22.6	E7194-006	1577
45.0	E7194-004	1800 ± 100
45.0	E7194-001	

Table 8-6 Manifold Heights, all dimension in mm.

WARNING: Always connect the loop to the manifold inlet or pipework if single cylinder, before connecting to the cylinder valve outlet.

8.16 System Actuator Assembly (FM approved)

Nitrogen Pilot Gas Cylinder and Valve – See section 4 for component details

Optional Pressure Monitoring Switch – See section 4 for component details

8.16.1 Installation of Solenoid Release Unit

8.17 TPED N2 Pilot Cylinder Release Unit Assembly (D9226-017 ISS)

Warning: The 65 bar N2 Pilot Cylinder (part# 01-1365-5902) must be secured within mounting bracket (03-4577-0000) on a solid structure before continuing with installation of release unit.

Installation instructions for release unit assembly :

1. Ensure O-ring in connecting swivel nut is in place and lubricated.
If lubrication is required use silicone spray (Würth Art no: 0893221 or similar).

Note: As the unit seals against the cylinder valve with an O-ring, it is essential that the inlet port and the lubricant used are absolutely free from dirt and other impurities. Use always clean fingers/tools.

It is paramount that only the O-ring be lubricated; excessive lubricant in the valve port will enter into the solenoid valve itself when pressurised and may block the internal filter and thus jeopardise the performance.

2. Fit the complete unit on the cylinder valve, adjust gauge for vertical alignment, tighten swivel nut by hand until pressure is indicated on the gauge

Note: The pre-assembled unit shall not be tampered with, as any adjustment to components pre-fitted to the connector block will lead to a leak. After the unit is pressurized no alignment adjustment shall be made as this may jeopardize the resetting of the Schrader valve in the cylinder valve preventing it from resealing.

3. Secure connecting swivel by the use of an M36 A/F fixed wrench. Apply torque $60 \pm 1\text{Nm}$ on units holding solenoid valve and $45 \pm 1\text{Nm}$ on units holding only gauge. It may be required to counter-hold (by hand only) during tightening.

Note: Do not turn unit after the swivel nut has been tightened. Overtightening may result in broken O-ring or dislocation of the Schrader valve in the cylinder valve.

4. Leak test all connections indicated on instruction sheet IN-01-7172-004 by means of ammonium-free leak detection liquid. No visible leakage shall occur.

Note: The solenoid/contact gauge/release unit(s) shall be installed on cylinders as indicated on the assembly drawing.

5. The hose from the solenoid valve must only be fitted to the actuation port after the unit has been pressurised and checked to be leak-free through the open hose end. Use an M19 fixed spanner, apply torque 20 – 25 Nm (counter hold required).

8.18 Cylinder Valve Pressure/Lever Actuator (K62341)

8.18.1 Installation of Cylinder Valve Actuator

Before installation check the following:

- Remove safety pin and rotate manual lever for ease of movement of both the lever and piston.
- Return lever original position and insert safety pin.
- Manually reset the piston.

After these checks have been carried out satisfactorily install as follows:

1. Remove the securing pin.
2. Slide the release head onto the cylinder valve and refit the securing pin, lightly tap fully home.

NOTE: Leave safety pin in place until commissioning system.