

Technical Information

CYLINDER VALVE MAINTENANCE

T006

Guidance on Valve Maintenance at time of Cylinder Inspection

Valve removal and inspection

In order to comply with BS EN 1968, BS 1802, BS ISO 11623 and CP11:2011 the time of periodic inspection and testing, the cylinder valve needs to be removed in order to examine the internal condition of the cylinder. As such, the valve maintenance and inspection therefore comes under Sections 5.1.1, 5.1.2 and 5.1.3 of **BS EN ISO 22434:2011**.

Section 5.1.1 of BS EN ISO 22434:2011 – Cleaning - covers the cleaning of a valve that needs to take place in order to facilitate inspection, with the valve remaining in the cylinder.

Section 5.1.2 -External examination - provides an extensive list of the defects that need to be checked also with the valve remaining in the cylinder.

Note: to do an internal inspection Sections 5.1.3 is the relevant section.

Section 5.1.3 – Additional external examination – valve removed from the cylinder - list the additional defects to be checked. This involves the dismantling of all the valve components.

BS EN 14189:2003 replaced

BS EN ISO 22434:2011 replaces BS EN 14189:2003 so it is essential that you obtain the latest version of the standard that covers the **Inspection and maintenance of cylinder valves at time of periodic inspection of gas cylinders**.

Advantages of complying with 5.1.3

1. Compliance with the current British, European and Internal standards
2. Compliance with IDEST's procedures and Code of Practice CP11:2011 as a certified IDEST cylinder test centre
3. Assurance that internal elastomers have been replaced with manufacturer's cylinder valve spares kits and the valve has been returned to a 'new' condition
4. Providing your customers with a fully professional service
5. Non-compliance could lead to a 'failure in use'

Conclusion

It is therefore mandatory to service the valve completely as per Section 5.1.3 of BS EN ISO 22434:2011.