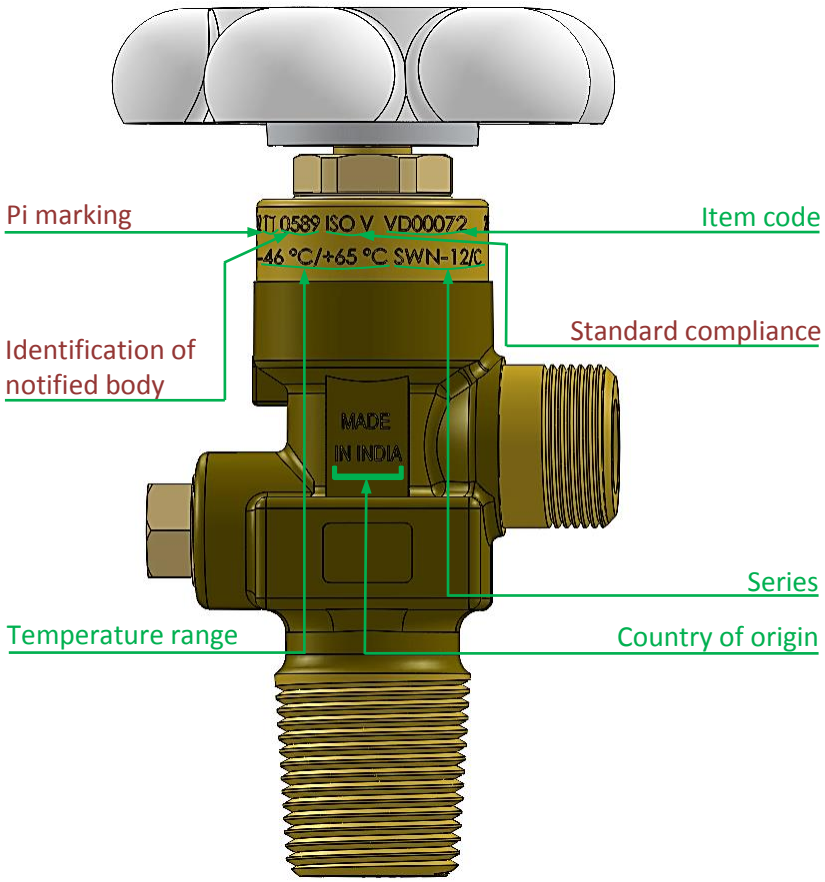
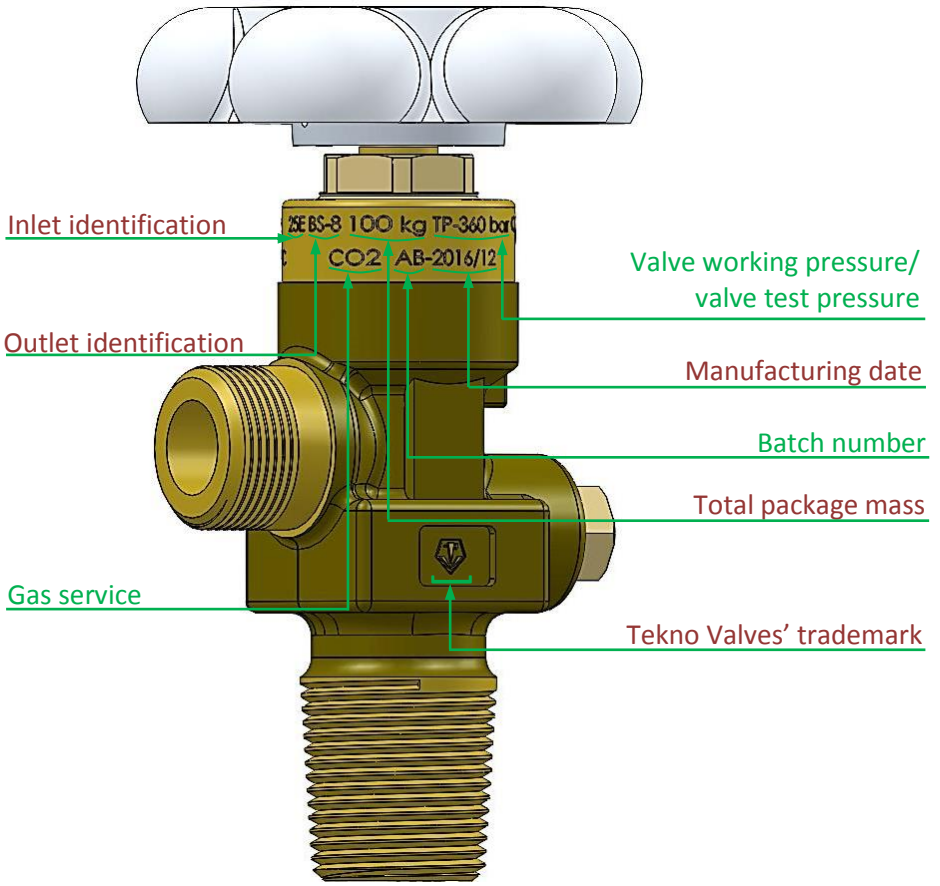
# Marking key for valves as per EN ISO 10297




**Front view**




**Rear view**

Statutory markings

Additional markings

***Markings shown are for illustration purpose. Position and content of the markings will vary depending on valve design specification. Refer to drawing for specific markings and other technical details.***

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## Statutory markings:

| Legend | Explanation |
|---|---|
| Pi marking | Compliance to European Transportable Pressure Equipment Directive, TPED 2010/35/EU |
| Identification of notified body | Four digit identification number for TPED notified body, BAM Berlin (www.bam.de) |
| Standard compliance | Compliance to EN ISO 10297 standard. If ISO VB is marked on the valve, it indicates that the valve has been tested for Oxygen pressure surge test for use as a main valve (tested via the valve filling and inlet connection) |
| Tekno Valves trademark | Manufacturer's identification |
| Manufacturing date | Year and month of manufacture of valve |
| Inlet identification | Inlet configuration which engages with the cylinder neck |
| Outlet identification | Outlet configuration which engages with the filling / discharge connection |
| Total package mass *(if applicable)* | Total package mass (combined mass of a gas cylinder, its valve, its permanent attachment(s) including valve guard and its maximum allowed gas content) for which the valve can be used without valve protection<br>*Total package mass of 100 kg means that the valves have been impact tested at 360J (impact energy in Joule = package mass in kg x 3.6)* |

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## Additional markings:

| Legend | Explanation |
|---|---|
| Batch Number | Traceability to the raw material used to manufacture valve body<br>*As per EN ISO 14246:2014, A batch is defined as quantity of valves of the same type tested design and production order, which is produced as a controlled number in a specified time period* |
| Valve working pressure (WP) | Settled pressure of a compressed gas at 15 °C in a full gas cylinder or cylinder bundle for which the valve is intended<br>*The term WP is only applicable for compressed gases and does not apply to liquefied gases or dissolved gases* |
| Valve test pressure (TP) | Minimum pressure of the valve used for endurance test, Oxygen pressure surge test and leak tightness test during type and production testing<br>*NOTE:*<br>*a) For compressed gas , test pressure = 1.2 x working pressure*<br>*b) For liquefied gases, test pressure shall be at least equal to the minimum test pressure corresponding to the applicable filling ratio quoted in the relevant transport regulation (ADR) for that gas.*<br>*During production testing leak tightness test for valves equipped with pressure activated PRD is carried out at 0.8 times the maximum set pressure of the PRD* |
| Gas service | Gas service for which the valve is certified, compatible and intended to be used<br>*Generally a valve is used for more than one gas or gas mixtures. Refer to valve drawing or catalogue for full list of compatible gases* |
| Item code | Alpha numeric valve identification, usually of seven or twenty five digits<br>*For convenience, valves with 25 digit item code have the 4 digit drawing number marked on the valve* |
| Temperature range | Operating and storage temperature range, marked if the valve has been design tested for extended temperature range<br>*EN ISO 10297:2006 requires valves to be tested for operating and storage temperature range of -20 °C to +65 °C.*<br>*EN ISO 10297:2014 requires valves to be tested for storage temperature range of -40 °C to +65 °C and operating temperature range of -20 °C to +65 °C* |
| Series | Model number of the valve with unique design features |
| Country of origin | Country where the valve is manufactured |

NOTE Left-hand threads are generally identified by groove notches around the valve body near the outlet connection or at the junctions of the flats of the nut.

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Last updated on: 30th January, 2017