

DIN EN ISO 24431:2017-07 (E)

Gas cylinders - Seamless, welded and composite cylinders for compressed and liquefied gases (excluding acetylene) - Inspection at time of filling (ISO 24431:2016)

Contents		Page
European foreword		3
Foreword		4
Introduction		5
1 Scope		6
2 Normative references		6
3 Terms and definitions		6
4 Identification of cylinder owner		9
5 Filling inspection		10
5.1 General.....		10
5.2 Verification of serviceable condition of individual cylinders before filling.....		10
5.2.1 General criteria.....		10
5.2.2 Exterior condition.....		10
5.2.3 Interior condition.....		12
5.2.4 Cylinder tare.....		12
5.2.5 Calculation of weight of gas to be filled into the cylinder.....		13
5.2.6 Provisions for visually inspecting cylinders fitted with coverings.....		13
5.2.7 Verification of the integrity of permanent attachments.....		14
5.2.8 Verification of valve integrity and suitability.....		14
5.2.9 Provisions for palletized cylinders.....		15
5.2.10 Rejected cylinders.....		15
5.3 Verification during filling.....		15
5.4 Verification after filling.....		15
5.4.1 General.....		15
5.4.2 Verification of gas tightness.....		15
5.4.3 Verification of correct filling pressure.....		16
5.4.4 Verification of correct filling weight.....		16
5.4.5 Verification of valve protection.....		16
5.4.6 Verification of correct product labelling.....		16
6 Cylinders rejected for filling		16
Annex A (informative) Residual pressure check		17
Annex B (informative) Example of a procedure to establish a correct tare		18
Bibliography		19