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Gas cylinders — Residual pressure valves — General requirements and type testing

Bouteilles à gaz — Robinets à pression résiduelle — Exigences générales et essais de type



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Foreword

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Introduction

Gas cylinders are fitted with valves, to contain and control the discharge of their contents.

Increased requirements about avoidance of contamination of gases and gas cylinders has led to the development of gas cylinder valves incorporating residual pressure devices.

These devices are designed to maintain a small positive differential pressure between the inlet and the outlet of the cylinder valve. This prevents the gas cylinder from being completely empty in customer use and stops ingress of atmospheric contamination.

Many of these devices include a non-return function that protects the cylinder from back flow from downstream processes.