

SAFETY VALVES applicable norms - **DRAFT**

On/off valves with spool/poppet position monitoring

Norm type	Number:Year	Description
UNI EN	201:2009	Plastics and rubber machines - Injection moulding machines - Safety requirements
UNI EN	422:2009	Plastics and rubber machines - Blow moulding machines - Safety requirements
UNI EN	693:2011	Machine tools - Safety - Hydraulic presses
UNI EN ISO	4413:2012	Hydraulic fluid power - General rules and safety requirements for systems and their components
UNI	10653:2003	Technical documentation - Quality of the product technical documentation
UNI	10893:2000	Product technical documentation - Instructions for use - Articulation and display order of contents
UNI EN ISO	11200:2009	Acoustics - Noise emitted by machinery and equipment - Guidelines for the use of basic standards for the determination of emission sound pressure levels at a work station and at other specified positions
UNI EN ISO	12100:2012	Safety of machinery - General principles for design - Risk assessment and risk reduction
UNI EN ISO	12622:2010	Safety of machine tools - Hydraulic press brakes
UNI EN ISO	13849-1:2008	Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design
UNI EN ISO	13857:2008	Safety of machinery - Safety distances to prevent hazard zones being reached by upper and lower limbs
UNI EN ISO	14120:2015	Safety of machinery - Guards - General requirements for the design and construction of fixed and movable guards
CEI EN	60204-1:2006	Safety of machinery - Electrical equipment of machines - Part 1: General requirements
CEI EN	60529:1997	Degrees of protection provided by enclosures (IP Code)
CEI EN	61000-6-2:2005	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments
CEI EN	61000-6-4:2007	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments
CEI EN	60730-1:2011	Automatic electrical controls - Part 1: General requirements
CEI EN	60730-2-8:2002	Automatic electrical controls for household and similar use - Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements

Digital proportional directional valves

Norm type	Number	Description
UNI EN	ISO 13849	Safety of machinery - Safety-related parts of control systems
UNI EN	IEC 61508	Functional safety of electrical/electronic/programmable electronic safety-related systems