

1. APPLICABLE CONSTRUCTION CODES AND STANDARDS

All our devices are designed and manufactured to meet current international standard requirements.

Fluid flow measurement standards by means of pressure differential devices	
ISO 5167	ISO 5167-1, general principles and requirements ISO 5167-2, orifice plates ISO 5167-3, nozzles and venturi nozzles ISO 5167-4, venturi tubes ISO 5167-5, cone meters ISO 5167-6, wedge meters
ISO/TR 15377	Specification of orifice plates, nozzles and venturi tubes beyond the scope of ISO 5167
ASME MFC-3M	Measurement of fluid flow using orifice plates, nozzles and venturi tubes
ASME MFC-12M	Measurement of fluid flow using multiport averaging pitot primary elements
ASME MFC-14M	Measurement of fluid flow using small bore precision orifice meters
ISO 9300	Measurement of gas flow by means of critical flow venturi nozzles (sonic nozzle)
ISO/TR 11583	Measurement of wet gas flow by means of pressure differential devices
ASME PTC 19.5	Performance test code for flow measurement
ASME PTC 6	Performance test code for steam turbine (PTC 6 nozzle)

Depending on customer requirements, different construction codes may be applicable to design, manufacture, inspect and test our parts.

Construction codes	
CODETI div.1	Industrial piping
CODETI div.2	Transport pipelines
CODETI div.3	Penstocks
CODAP	Unfired pressure vessels
ASME B31.1	Pipelines in an industrial environment related to the energy sector (power piping)
ASME B31.3	Pipelines for all types of industrial processes (process piping)
ASME BPVC	Boiler & pressure vessel code and equipment for nuclear power plants (nuclear power piping)
EN 13480	Metallic industrial piping, pressure equipment
EN 13445	Unfired pressure equipment
RCC-M	Mechanical equipment for nuclear islands of pressurized water reactors
RCC-MRx	Mechanical equipment for high temperature structures and for experimental and fusion reactors



Because our devices are pressurised equipment, when installed in Europe, **they must comply to the European directive PED 2014/68/EU** related to the marketing of pressure equipment in Europe. The corresponding certificates are delivered with the technical documentation.

Additional decrees are completing or replacing this directive in case of specific applications:

- ESPN Decree of December 30, 2015 related to nuclear pressure equipment,
- «Multifluid» decree of December 15, 2016 related to the safety of gas, hydrocarbon or chemical transport pipelines,
- Decree of March 15, 2000 related to pressure equipment control operations.