

## Automatic shut-off valves for water leakage prevention

The aim of the control is to ensure, by continuous inspection, that the products, produced and offered for sale correspond to CR 135, the type approval, drawings and technical specifications. Changes of the product must immediately be reported to RISE.

The control comprises the manufacturer's own inspection - the factory production control, and the surveillance audit. External controls shall be carried out by an accredited inspection body

### 1 Factory production control

#### 1.1 General

Internal factory production control (FPC) is based on the inspection of incoming materials/goods and the inspection of production under the management of the responsible personnel.

#### 1.2 Inspection of incoming materials

Deliveries of material and components shall be checked to conform to specifications.

#### 1.3 Inspection during manufacturing

Inspection shall be carried out during production to ensure that the technical specification of the products and components are kept within specifications. The relevant features of the production process shall be defined listing the frequency of testing and inspections

The actions to be taken when control values or criteria are not achieved shall be given. Measuring equipment shall be regularly calibrated, according to a prescribed plan. The calibration test results shall be recorded.

Inspection during manufacturing shall be made accordingly.

- Material according to production drawings
- Function test of the fitting/product
- Execution and dimensional control according to registered drawings.

#### 1.4 Dealing with nonconforming products

The manufacturer must have routines for measures taken in the event of deviation from the product requirements. Deviating products must not be marked with type approved marking.

#### 1.5 Traceability

It must be possible to trace delivered products incl. components back to manufacturer's documentation.

## 1.6 Handling storage and delivery

Damage and deterioration must be prevented during handling, storage and delivery.

## 1.7 Marking

Marking of the products shall be carried out according to the type approval.

## 1.7 Documentation

Documentation of the manufacturer's own inspection (control plan etc.) must be kept available at the manufacturer for at least 5 years.

## 2 Surveillance audit

### 2.1 General

The surveillance audit shall be performed by an accredited inspection body. The audit is performed by an inspection (which can be unannounced) at the manufacturer's premises. If the inspection body finds serious deficiencies, further checks may have to be carried out.

### 2.2 Surveillance audit frequency

Surveillance audit shall be performed at least once per calendar year.

### 2.3 Scope

The following will be inspected / reviewed:

- a) the company's inspection organization.
- b) quality management routines.
- c) manufacturing processes.
- d) factory production control and results.
- e) equipment used for testing and measuring (calibration).
- f) actions to deal with scrapping of materials
- g) documentation of manufacturer's factory production control results.
- h) sampling of finished products for comparison with relevant documentation)
- i) type approval marking.
- j) documentation of manufacturer's factory production control results

### 2.4 Reporting

After each audit an inspection report is issued by the inspection body. The report shall include any nonconformity from the specified requirements among others. The inspection body will send or hand over the report to the manufacturer. A copy will also be sent to the holder of the type approval. In the event of a major deviation, the inspection body sends a copy of the report to RISE Certification.

### 2.5 Sampling

Sampling of type approved products for audit testing shall be made according to relevant certification rule. Quantities and frequencies for sampling shall follow the relevant certification rule or specific document/appendix.

### 2.6 Surveillance testing

Audit testing shall unless stated otherwise, be performed according to Certification rule CR 135.

## Appendix A – Sampling and Testing

### Automatic shut-off valves for water leakage prevention

Component	Testing	Sampling frequency	Sampling Quantities
Valve	Valve properties (CR 074)	Once/5 years	1
Complete unit	Function complete unit (SP-Method 5314 alternatively 2.7, 2.8, 2.9 or 2.10 (Signal activated shut-off))	Once/5 years	1