Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

ANNEX VIII

SPECIFIC REQUIREMENTS

CHAPTER III

Automatic Gravimetric Filling Instruments

1. Accuracy classes

- 1.1. The manufacturer shall specify both the reference accuracy class Ref(x) and the operational accuracy class(es) X(x).
- 1.2. An instrument type is designated a reference accuracy class, Ref(x), corresponding to the best possible accuracy for instruments of the type. After installation, individual instruments are designated for one or more operational accuracy classes, X(x), having taken account of the specific products to be weighed. The class designation factor (x) shall be ≤ 2 , and in the form 1×10^k , 2×10^k or 5×10^k where k is a negative whole number or zero.
- 1.3. The reference accuracy class, Ref(x) is applicable for static loads.
- 1.4. For the operational accuracy class X(x), X is a regime relating accuracy to load weight and (x) is a multiplier for the limits of error specified for class X(1) in point 2.2.

2. **MPE**

2.2.

2.1. *Static weighing error*

Deviation from average fill

- 2.1.1. For static loads under rated operating conditions, the MPE for reference accuracy class Ref(x), shall be 0,312 of the maximum permissible deviation of each fill from the average; as specified in Table 5; multiplied by the class designation factor (x).
- 2.1.2. For instruments where the fill may be made up from more than one load (e.g. cumulative or selective combination weighers) the MPE for static loads shall be the accuracy required for the fill as specified in point 2.2 (i.e. not the sum of the maximum permissible deviation for the individual loads).

Value of the mass, m (g), of the fills	Maximum permissible deviation of each fill from the average for class X(1)
$m \le 50$	7,2 %
$50 < m \le 100$	3,6 g
$100 \le m \le 200$	3,6 %
$200 < m \le 300$	7,2 g
$300 < m \le 500$	2,4 %
$500 \le m \le 1\ 000$	12 g
$1\ 000 < m \le 10\ 000$	1,2 %

TABLE 5

$10\ 000 < m \le 15\ 000$	120 g
15 000 < m	0,8 %

Note:

The calculated deviation of each fill from the average may be adjusted to take account for the effect of material particle size.

2.3. *Error relative to pre-set value (setting error)*

For instruments where it is possible to pre-set a fill weight; the maximum difference between the pre-set value and the average mass of the fills shall not exceed 0,312 of the maximum permissible deviation of each fill from the average, as specified in Table 5.

3. **Performance Under Influence Factor And Electromagnetic Disturbance**

- 3.1. The MPE due to influence factors shall be as specified in point 2.1.
- 3.2. The critical change value due to a disturbance is a change of the static weight indication equal to the MPE as specified in point 2.1 calculated for the rated minimum fill, or a change that would give equivalent effect on the fill in the case of instruments where the fill consists of multiple loads. The calculated critical change value shall be rounded to the next higher scale interval (d).
- 3.3. The manufacturer shall specify the value of the rated minimum fill.