# DIN EN 13617-2:2012-05 (E)

## Petrol filling stations - Part 2: Safety requirements for construction and performance of safe breaks for use on meter ing pumps and dispensers

## Contents

Page


Foreword ..... 3

1 Scope ..... 4

2 Normative references ..... 4

3 Terms and definitions ..... 5

4 Explosion protection measures ..... 5

5 Construction ..... 5
5.1 General ..... 5
5.2 Hose breaks ..... 6
5.3 Inlet threads ..... 6
5.3.1 Safe break type 1 ..... 6
5.3.2 Safe break type 2 ..... 6

6 Physical properties ..... 7

7 Operational requirements ..... 8

8 Overview of tests ..... 9

9 Information for use ..... 10
9.1 General ..... 10
9.2 Marking and instruction ..... 10

Annex A (normative) General requirements of test ..... 11

A.1 General ..... 11
A.2 Tightness test 1 ..... 11
A.3 Pressure separation test 1 ..... 11

Annex B (normative) Tests ..... 12

B.1 Test liquid ..... 12
B.2 Fuel compatibility pre-conditioning ..... 12
B.3 Pre-conditioning mechanical impact test of re-usable safe breaks ..... 12
B.4 Tightness test 2 ..... 12
B.5 Pressure separation test 2 ..... 13
B.6 Pressure test ..... 13
B.7 Axial separation force test 1 ..... 13
B.8 Axial separation force test 2 to nozzle breaks and pump breaks ..... 13
B.9 Non-axial separation force test 1 to nozzle breaks and pump breaks ..... 14
B.10 Non-axial separation force test 2 to nozzle breaks and pump breaks ..... 14
B.11 Axial separation force test 3 ..... 14
B.12 Axial separation force test 4 ..... 14
B.13 Liquid release test ..... 14
B.14 Re-connection test 1 ..... 15
B.15 Re-connection test 2 ..... 15
B.16 Electrical resistance test ..... 15

**Annex C (informative) Environmental aspects ..... 16**

**Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 94/9/EC ..... 18**

**Bibliography ..... 19**