

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

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

---

<b>Contents</b>		<b>Page</b>
Foreword .....		3
<b>1</b>	<b>Scope .....</b>	<b>4</b>
<b>2</b>	<b>Normative references .....</b>	<b>4</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>5</b>
<b>4</b>	<b>Explosion protection measures .....</b>	<b>5</b>
<b>5</b>	<b>Construction .....</b>	<b>5</b>
<b>5.1</b>	<b>General .....</b>	<b>5</b>
<b>5.2</b>	<b>Hose breaks .....</b>	<b>6</b>
<b>5.3</b>	<b>Inlet threads .....</b>	<b>6</b>
<b>5.3.1</b>	<b>Safe break type 1 .....</b>	<b>6</b>
<b>5.3.2</b>	<b>Safe break type 2 .....</b>	<b>6</b>
<b>6</b>	<b>Physical properties .....</b>	<b>7</b>
<b>7</b>	<b>Operational requirements .....</b>	<b>8</b>
<b>8</b>	<b>Overview of tests .....</b>	<b>9</b>
<b>9</b>	<b>Information for use .....</b>	<b>10</b>
<b>9.1</b>	<b>General .....</b>	<b>10</b>
<b>9.2</b>	<b>Marking and instruction .....</b>	<b>10</b>
<b>Annex A (normative) General requirements of test .....</b>		<b>11</b>
<b>A.1</b>	<b>General .....</b>	<b>11</b>
<b>A.2</b>	<b>Tightness test 1 .....</b>	<b>11</b>
<b>A.3</b>	<b>Pressure separation test 1 .....</b>	<b>11</b>
<b>Annex B (normative) Tests .....</b>		<b>12</b>
<b>B.1</b>	<b>Test liquid .....</b>	<b>12</b>
<b>B.2</b>	<b>Fuel compatibility pre-conditioning .....</b>	<b>12</b>
<b>B.3</b>	<b>Pre-conditioning mechanical impact test of re-usable safe breaks .....</b>	<b>12</b>
<b>B.4</b>	<b>Tightness test 2 .....</b>	<b>12</b>
<b>B.5</b>	<b>Pressure separation test 2 .....</b>	<b>13</b>
<b>B.6</b>	<b>Pressure test .....</b>	<b>13</b>
<b>B.7</b>	<b>Axial separation force test 1 .....</b>	<b>13</b>
<b>B.8</b>	<b>Axial separation force test 2 to nozzle breaks and pump breaks .....</b>	<b>13</b>
<b>B.9</b>	<b>Non-axial separation force test 1 to nozzle breaks and pump breaks .....</b>	<b>14</b>
<b>B.10</b>	<b>Non-axial separation force test 2 to nozzle breaks and pump breaks .....</b>	<b>14</b>
<b>B.11</b>	<b>Axial separation force test 3 .....</b>	<b>14</b>
<b>B.12</b>	<b>Axial separation force test 4 .....</b>	<b>14</b>
<b>B.13</b>	<b>Liquid release test .....</b>	<b>14</b>
<b>B.14</b>	<b>Re-connection test 1 .....</b>	<b>15</b>
<b>B.15</b>	<b>Re-connection test 2 .....</b>	<b>15</b>
<b>B.16</b>	<b>Electrical resistance test .....</b>	<b>15</b>

<b>Annex C (informative) Environmental aspects .....</b>	<b>16</b>
<b>Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 94/9/EC .....</b>	<b>18</b>
<b>Bibliography .....</b>	<b>19</b>