CLAIMS

1. Automatic water extinguisher (100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100) intended to be mounted on an opening (42) of a pipeline (40), said pipeline (40) forming part of an installation configured to contain water under a pressure of between 5 and 20 bars, said extinguisher (100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100) comprising:

- a one-piece base (24A-24K) having a through-hole (26),
- a seal (28) intended to seal the connection between the opening (42) of said pipeline (40) and the through-hole (26) of said base (24A-24K), and
- a blocking element (23) for the through-hole (26) sensitive to temperature and configured to release said through-hole (26), **characterised in that**:
- the base (24A-24K) further comprises at least two anchoring points (25A-25K), and
- the extinguisher (100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100) comprises at least one clamping collar (30) comprising:
  - a strip (31) made of a flexible material intended to partially surround the pipeline (40), said strip (31) cooperating with the base (24A-24K) at said anchoring points (25A-25G), and
  - adjustment means (32), independent of the base (24A-24K), making it possible to adapt the length of the at least one clamping collar (30) so that the extinguisher (100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100) is able to be mounted on pipelines (40) of different diameters; said adjustment means (32) comprising a loop integral with one end of the strip (31) and comprising a housing (35) in which another end of the strip (31) is inserted, said other end of the strip (31) being displaced by a movement (M4) compressing the strip (31) around the pipeline so as to obtain a desired compression tension of the strip (31), fastening means for the strip (31) in the housing (35) being inserted in the loop by means of an action in a direction (M5) perpendicular to the length of the housing (35) and to the direction of displacement of the strip (31), so as to restrain the displacements of the strip (31) and to maintain said desired compression tension of the strip (31) around the pipeline (40), said extinguisher (100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100) being able to withstand pressures of between 5 and 20 bars and, preferably between 8 and 12 bars.

2. Extinguisher according to claim 1, **characterised in that** the extinguisher (100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100) comprises one single clamping collar (30) and only two anchoring points (25A-25K) disposed either side of the base (24A-24K).

3. Extinguisher according to claim 1 or 2, **characterised in that** the anchoring points (25A-25G) are through openings oriented in a direction parallel to the main direction (D) of the pipeline (40), the strip (31) being mounted on the base (24A-24G) by inserting at least one end of the strip (31) in the through openings and by forming a loop around the borders of said base (24A-24G).

4. Extinguisher according to claim 3, **characterised in that** the through openings are slots made in the base (24A-24G).

5. Extinguisher according to claim 3, **characterised in that** the through openings correspond to the space formed between the base (24A-24G) and an axis (47) of the base (24A-24G).

6. Extinguisher according to one of claims 1 to 5, **characterised in that** the strip (31) is formed in a metal material.

7. Extinguisher according to one of claims 1 to 6, **characterised in that** the adjustment means (32) of the length of the at least one clamping collar (30)has visual markers indicating the clamping position for which the seal (28) is optimally compressed as a function of the diameter of the pipeline (40) and the service pressure.

8. Extinguisher according to one of claims 1 to 7, **characterised in that** it further comprises a deflector (22) fixed above said base (24A-24K) and intended to spray the water flow coming from the pipeline (40).

9. Extinguisher according to claim 8, **characterised in that** the base (24A-24K) and the head (20), comprising the deflector (22), the stirrups (29) and/or the blocking element (23) form a monolithic block.

10. Extinguisher according to claim 8, **characterised in that** the base (24A-24G) and the head (20), comprising the deflector (22), the stirrups (29) and/or the blocking element (23) are independent, the head (20) being mounted on the base (24A-24K) by screwing.

11. Extinguisher according to one of claims 1 to 10, characterised in that the fastening means for the strip (31) are of the self-drilling screw (34) and/or ball in a variable-section tube type.

12. Fire protection installation including:

- at least one pipeline (40) having at least one opening (42), and
- at least one extinguisher (100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100) according to one of claims 1 to 11.

13. Fire protection installation according to claim 12, **characterised in that** the pipeline (40) is a pipeline painted or pre-painted on its internal and external faces.

14. Installation according to claim 13, **characterised in that** the painting of the pipeline (40) comprises an epoxide polymer binder.