

# POJISTNÉ VENTILY TIEMME

**Pro položky č:** 1917 – 1917M – 1917MAN – 1917SUN – 1918 – 1918MAN – 1927 – 1927M – 1927MAN – 1927SUN – 1928 – 1928MAN

**Popis:** Pojistné ventily pro topné a teplovodní systémy s provozním tlakem od 1,5 do 10 bar, vyrobené v souladu s klíčovými bezpečnostními požadavky.

**Použití:** Používají se ve vodovodních a topných systémech k regulaci tlaku u systémů s akumulací teplé vody nebo u kotlů. Zabraňují poškození okruhu a komponentů odvodem přetlaku do atmosféry při překročení nastavené hodnoty.

## Technické vlastnosti:

- Maximální teplota: 120°C / 160°C (pro verze „SUN“)
- Minimální teplota: -5°C
- Nominální tlak: PN10
- Médium: Voda a glykolový roztok
- Maximální podíl glykolu: 50%
- Maximální přetlak při otevření: 10%
- Minimální uzavírací difference: 20%
- Závit: Samice ISO 228 / ISO7 (pro verze s větším výstupním rozměrem a „SUN“); Samec ISO 228
- Kategorie PED: IV

## Materiály:

- Tělo: Mosaz CW617N-EN12165
- Matice: Nylon PA6; Mosaz CW617N (pro verze „SUN“)
- Membrána: Ethylen-propylenový kaučuk EPDM
- Dřík: Mosaz CW617-EN12164
- Držák pružiny: Ocel
- Pružina: Ocel EN 10270-1-SM (pozinkováno)
- Seřizovací šroub: Hliníková slitina ZL0410-UNI EN 1774
- Těsnění: P.T.F.E. C755 s 25% uhlíkem
- Pružný kroužek: Ocel C70
- Páka: ABS polymer

**Princip funkce:** Membrána (3), předepjatá seřízenou pružinou (6), se zvedne při dosažení seřizovacího tlaku a zcela uvolní odtokový průtok. Seřizovací tlak je volen podle maximálního přípustného tlaku v systému. Průměr výstupu je stejný nebo větší pro usnadnění odvodu požadovaného výkonu. Při poklesu tlaku dojde k uzavření ventilu v rámci tolerancí.

**Certifikace:** CE 0425 (a další uvedené v originále).

# **Tabulka rozměrů a parametrů:**

| Kód                    | A    | B    | C    | D  | L    | Velikost | Velikost<br>1 | Provozní<br>tlak | Maximální výkon<br>kotle |
|------------------------|------|------|------|----|------|----------|---------------|------------------|--------------------------|
| 1920013 -<br>1920061 ^ | 23   | 25,5 | 10   | 10 | 63,5 | 1/2"     | 1/2"          | 1,5 bar          | 47,8 kW                  |
| 1920014                | 23   | 28,5 | 13   | 13 | 66,5 | 3/4"     | 3/4"          | 1,5 bar          | 47,8 kW                  |
| 1920066 *              | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/2"     | 3/4"          | 1,5 bar          | 47,8 kW                  |
| 1920072                | 35,5 | 38   | 16   | 16 | 96   | 1"       | 1"            | 1,5 bar          | 136,8 kW                 |
| 1920052 -<br>1920079 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/2"     | 1/2"          | 1,5 bar          | 47,8 kW                  |
| 1920086                | 37   | 38   | 16   | 16 | 97,5 | 1"       | 1"            | 1,5 bar          | 136,8 kW                 |
| 1920033 -<br>1920062 ^ | 23   | 25,5 | 10   | 10 | 63,5 | 1/2"     | 1/2"          | 1,8 bar          | 55 kW                    |
| 1920027                | 23   | 28,5 | 13   | 13 | 66,5 | 3/4"     | 3/4"          | 1,8 bar          | 55 kW                    |
| 1920067 *              | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/2"     | 3/4"          | 1,8 bar          | 55 kW                    |
| 1920073                | 35,5 | 38   | 16   | 16 | 96   | 1"       | 1"            | 1,8 bar          | 157,4 kW                 |
| 1920078 -<br>1920080 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/2"     | 1/2"          | 1,8 bar          | 55 kW                    |
| 1920087                | 37   | 38   | 16   | 16 | 97,5 | 1"       | 1"            | 1,8 bar          | 157,4 kW                 |
| 1920025 -<br>1920063 ^ | 23   | 25,5 | 10   | 10 | 63,5 | 1/2"     | 1/2"          | 2 bar            | 58,2 kW                  |
| 1920034                | 23   | 28,5 | 13   | 13 | 66,5 | 3/4"     | 3/4"          | 2 bar            | 58,2 kW                  |
| 1920048 *              | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/2"     | 3/4"          | 2 bar            | 58,2 kW                  |
| 1920074                | 35,5 | 38   | 16   | 16 | 96   | 1"       | 1"            | 2 bar            | 166,7 kW                 |
| 1920045 -<br>1920081 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/2"     | 1/2"          | 2 bar            | 58,2 kW                  |
| 1920088                | 37   | 38   | 16   | 16 | 97,5 | 1"       | 1"            | 2 bar            | 166,7 kW                 |
| 1920008 -<br>1920046 ^ | 23   | 25,5 | 10   | 10 | 63,5 | 1/2"     | 1/2"          | 2,5 bar          | 67,9 kW                  |
| 1920012                | 23   | 28,5 | 13   | 13 | 66,5 | 3/4"     | 3/4"          | 2,5 bar          | 67,9 kW                  |
| 1920042 *              | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/2"     | 3/4"          | 2,5 bar          | 67,9 kW                  |
| 1920075                | 35,5 | 38   | 16   | 16 | 96   | 1"       | 1"            | 2,5 bar          | 194,4 kW                 |
| 1920041 -<br>1920082 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/2"     | 1/2"          | 2,5 bar          | 67,9 kW                  |
| 1920089                | 37   | 38   | 16   | 16 | 97,5 | 1"       | 1"            | 2,5 bar          | 194,4 kW                 |
| 4720080 *              | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/2"     | 3/4"          | 2,5 bar          | 67,9 kW                  |
| 1920001 -<br>1920028 ^ | 23   | 25,5 | 10   | 10 | 63,5 | 1/2"     | 1/2"          | 3 bar            | 77,8 kW                  |
| 1920003                | 23   | 28,5 | 13   | 13 | 66,5 | 3/4"     | 3/4"          | 3 bar            | 77,8 kW                  |

| Kód                    | A    | B    | C    | D  | L    | Velikost | Velikost<br>1 | Provozní<br>tlak | Maximální výkon<br>kotle |
|------------------------|------|------|------|----|------|----------|---------------|------------------|--------------------------|
| 1920040 *              | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/2"     | 3/4"          | 3 bar            | 77,8 kW                  |
| 4720011 *              | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/2"     | 3/4"          | 3 bar            | 77,8 kW                  |
| 1920004                | 35,5 | 38   | 16   | 16 | 96   | 1"       | 1"            | 3 bar            | 222,8 kW                 |
| 1920002 -<br>1920032 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/2"     | 1/2"          | 3 bar            | 77,8 kW                  |
| 1920090                | 37   | 38   | 16   | 16 | 97,5 | 1"       | 1"            | 3 bar            | 222,8 kW                 |
| 1920060 -<br>1920064 ^ | 23   | 25,5 | 10   | 10 | 63,5 | 1/2"     | 1/2"          | 3,5 bar          | 86,6 kW                  |
| 1920054                | 23   | 28,5 | 13   | 13 | 66,5 | 3/4"     | 3/4"          | 3,5 bar          | 86,6 kW                  |
| 1920068 *              | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/2"     | 3/4"          | 3,5 bar          | 86,6 kW                  |
| 1920076                | 35,5 | 38   | 16   | 16 | 96   | 1"       | 1"            | 3,5 bar          | 247,9 kW                 |
| 1920055 -<br>1920083 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/2"     | 1/2"          | 3,5 bar          | 86,6 kW                  |
| 1920091                | 37   | 38   | 16   | 16 | 97,5 | 1"       | 1"            | 3,5 bar          | 247,9 kW                 |
| 1920010 -<br>1920044 ^ | 23   | 25,5 | 10   | 10 | 63,5 | 1/2"     | 1/2"          | 4 bar            | 97,5 kW                  |
| 1920015                | 23   | 28,5 | 13   | 13 | 66,5 | 3/4"     | 3/4"          | 4 bar            | 97,5 kW                  |
| 1920069 *              | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/2"     | 3/4"          | 4 bar            | 97,5 kW                  |
| 1920023                | 35,5 | 38   | 16   | 16 | 96   | 1"       | 1"            | 4 bar            | 279,3 kW                 |
| 1920020 -<br>1920084 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/2"     | 1/2"          | 4 bar            | 97,5 kW                  |
| 1920092                | 37   | 38   | 16   | 16 | 97,5 | 1"       | 1"            | 4 bar            | 279,3 kW                 |
| 1920053 -<br>1920065 ^ | 23   | 25,5 | 10   | 10 | 63,5 | 1/2"     | 1/2"          | 5 bar            | 115,4 kW                 |
| 1920071                | 23   | 28,5 | 13   | 13 | 66,5 | 3/4"     | 3/4"          | 5 bar            | 115,4 kW                 |
| 1920070 *              | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/2"     | 3/4"          | 5 bar            | 115,4 kW                 |
| 1920077                | 35,5 | 38   | 16   | 16 | 96   | 1"       | 1"            | 5 bar            | 330,5 kW                 |
| 1920059 -<br>1920085 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/2"     | 1/2"          | 5 bar            | 115,4 kW                 |
| 1920093                | 37   | 38   | 16   | 16 | 97,5 | 1"       | 1"            | 5 bar            | 330,5 kW                 |
| 1920006 -<br>1920058 ^ | 23   | 25,5 | 10   | 10 | 63,5 | 1/2"     | 1/2"          | 6 bar            | 135,8 kW                 |
| 1920007                | 23   | 28,5 | 13   | 13 | 66,5 | 3/4"     | 3/4"          | 6 bar            | 135,8 kW                 |
| 1920039 *              | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/2"     | 3/4"          | 6 bar            | 135,8 kW                 |
| 4720006 *              | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/2"     | 3/4"          | 6 bar            | 135,8 kW                 |
| 1920009                | 35,5 | 38   | 16   | 16 | 96   | 1"       | 1"            | 6 bar            | 388,9 kW                 |
| 1920005 -<br>1920049 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/2"     | 1/2"          | 6 bar            | 135,8 kW                 |

| Kód                    | A    | B    | C    | D  | L    | Velikost | Velikost<br>1 | Provozní<br>tlak | Maximální výkon<br>kotle |
|------------------------|------|------|------|----|------|----------|---------------|------------------|--------------------------|
| 1920102                | 37   | 38   | 16   | 16 | 97,5 | 1"       | 1"            | 6 bar            | 388,9 kW                 |
| 1920022 -<br>1920051 ^ | 23   | 25,5 | 10   | 10 | 63,5 | 1/2"     | 1/2"          | 7 bar            | 157,4 kW                 |
| 1920036                | 23   | 28,5 | 13   | 13 | 66,5 | 3/4"     | 3/4"          | 7 bar            | 157,4 kW                 |
| 1920057 *              | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/2"     | 3/4"          | 7 bar            | 157,4 kW                 |
| 1920016                | 35,5 | 38   | 16   | 16 | 96   | 1"       | 1"            | 7 bar            | 450,7 kW                 |
| 1920029 -<br>1920047 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/2"     | 1/2"          | 7 bar            | 157,4 kW                 |
| 1920019                | 37   | 38   | 16   | 16 | 97,5 | 1"       | 1"            | 7 bar            | 450,7 kW                 |
| 1920035 -<br>1920094 ^ | 23   | 25,5 | 10   | 10 | 63,5 | 1/2"     | 1/2"          | 8 bar            | 173,1 kW                 |
| 1920030                | 23   | 28,5 | 13   | 13 | 66,5 | 3/4"     | 3/4"          | 8 bar            | 173,1 kW                 |
| 1920096 *              | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/2"     | 3/4"          | 8 bar            | 173,1 kW                 |
| 1920026                | 35,5 | 38   | 16   | 16 | 96   | 1"       | 1"            | 8 bar            | 495,8 kW                 |
| 1920037 -<br>1920099 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/2"     | 1/2"          | 8 bar            | 173,1 kW                 |
| 1920024                | 37   | 38   | 16   | 16 | 97,5 | 1"       | 1"            | 8 bar            | 495,8 kW                 |
| 1920011 -<br>1920095 ^ | 23   | 25,5 | 10   | 10 | 63,5 | 1/2"     | 1/2"          | 9 bar            | 192,4 kW                 |
| 1920043                | 23   | 28,5 | 13   | 13 | 66,5 | 3/4"     | 3/4"          | 9 bar            | 192,4 kW                 |
| 1920097 *              | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/2"     | 3/4"          | 9 bar            | 192,4 kW                 |
| 1920050 -<br>1920100 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/2"     | 1/2"          | 9 bar            | 192,4 kW                 |
| 1920018 -<br>1920056 ^ | 23   | 25,5 | 10   | 10 | 63,5 | 1/2"     | 1/2"          | 10 bar           | 209,8 kW                 |
| 1920031                | 23   | 28,5 | 13   | 13 | 66,5 | 3/4"     | 3/4"          | 10 bar           | 209,8 kW                 |
| 1920098 *              | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/2"     | 3/4"          | 10 bar           | 209,8 kW                 |
| 1920038 -<br>1920101 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/2"     | 1/2"          | 10 bar           | 209,8 kW                 |

**Poznámky:** \* Verze s větším výstupním rozměrem; ^ Verze s manometrem 1/4".

**Montáž:** Ventily lze instalovat horizontálně nebo vertikálně s dodržením směru proudění na tělese. Velikost určuje odborník podle projektu a předpisů. Odvodní potrubí musí zabránit ohrožení osob/majetku. V teplovodních systémech blízko zásobníku bez uzávěru mezi. V topných systémech nahoře kotle nebo na výtlaku max. 1 m bez uzávěru mezi. Další info: místní prodejce nebo TIEMME S.p.A.



SAFETY RELIEF VALVES

Art.1917 – 1917M – 1917MAN – 1917SUN – 1918 – 1918MAN – 1927 – 1927M – 1927MAN – 1927SUN – 1928 – 1928MAN

Safety relief valves for heating and hot water systems with operating pressure from 1,5 to 10 bar, manufactured in compliance with the key safety requirements

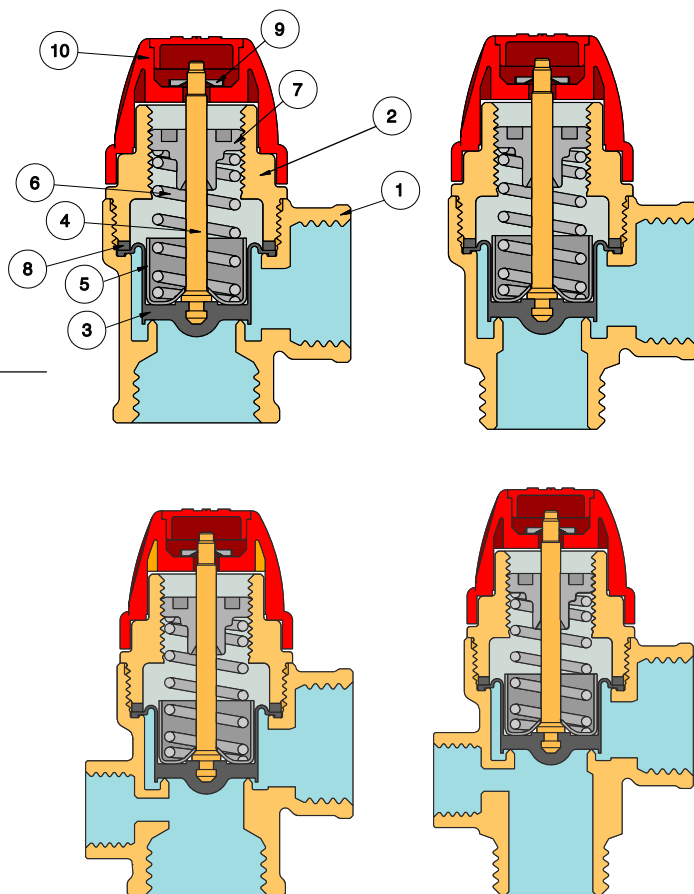
The safety relief valves are used in water and heating systems to control the pressure respectively in case of stored hot water or on boilers.

The use of the safety relief valve avoid damages to the circuit and relevant components by discharge in atmosphere pressure value higher than the safety relief setted value.



Technical Features

|                                |                                                                                        |
|--------------------------------|----------------------------------------------------------------------------------------|
| Maximum temperature :          | 120°C / 160°C (for "SUN" versions)                                                     |
| Minimum temperature :          | - 5°C                                                                                  |
| Nominal pressure :             | PN10                                                                                   |
| Medium :                       | water and glycol solution                                                              |
| PED category:                  | IV                                                                                     |
| Maximum percentage of glycol : | 50%                                                                                    |
| Max opening over pressure :    | 10%                                                                                    |
| Min closing differential :     | 20%                                                                                    |
| Threads :                      | female ISO 228 / ISO7 (for versions with bigger outlet size and "SUN")<br>male ISO 228 |



| Description        | Material                           | Treatment   |
|--------------------|------------------------------------|-------------|
| ① Body             | Brass CW617N-EN12165               | -           |
| ② Lock nut         | Nylon Pa6                          | -           |
|                    | Brass CW617N (for "SUN" versions)  | -           |
| ③ Diaphragm        | Etylene Propylene Rubber EPDM      | -           |
| ④ Stem             | Brass CW617-EN12164                | -           |
| ⑤ Spring holder    | Steel                              | Zinc plated |
| ⑥ Spring           | Steel EN 10270-1-SM                | Zinc plated |
| ⑦ Regulation scREW | Aluminium alloy ZL0410-UNI EN 1774 | -           |
| ⑧ Gasket           | P.T.F.E. C755 carbon 25%           | -           |
| ⑨ Elastic ring     | Steel C70                          | -           |
| ⑩ Handle           | ABS Polymer                        | -           |

Working principle

The membrane (3), contrasted by a calibrated spring (6), is lifted when the calibration pressure is reached and completely opens the drain flow.

The calibration pressure is chosen according to the maximum allowable pressure in the system.

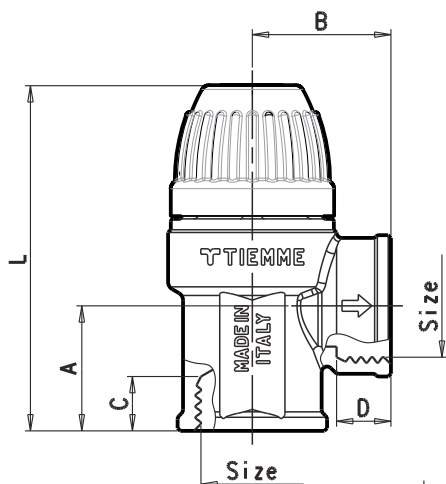
The diameter of the outlet is equal to or greater to facilitate the discharge of the required potential.

Upon pressure decrease, the opposite action occurs, with the subsequent closing of the valve within the set tolerances.

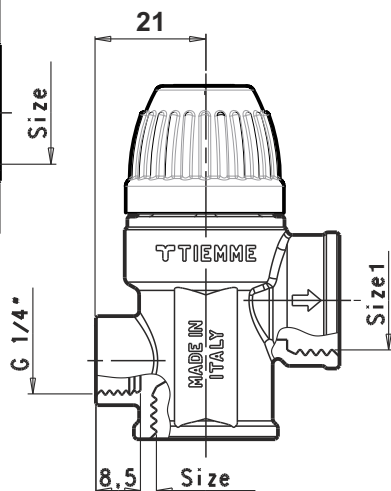
Certifications

CE 0425

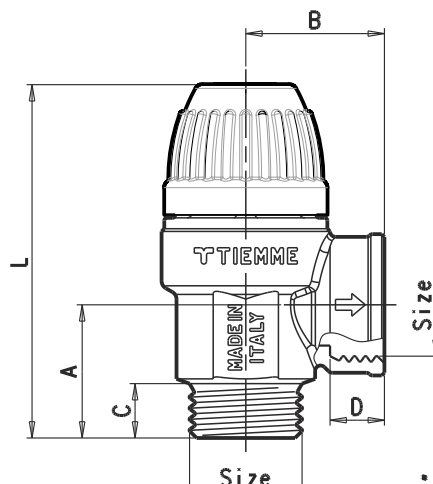




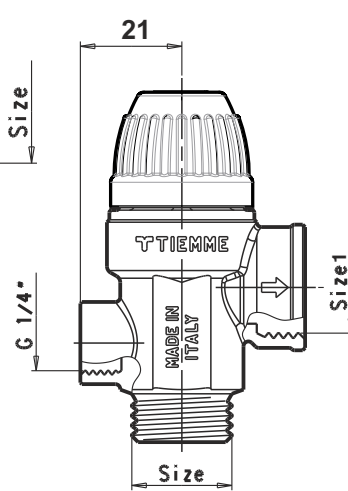
**Art.1917 - 1927**  
**Art.1917M - 1927M**



**Art.1917MAN - 1927MAN**



**Art.1918 - 1928**



**Art.1918MAN - 1928MAN**

Sizes table

| Codice<br>Code             | A    | B    | C    | D  | L    | Size  | Size 1 | Pressione di<br>intervento<br>Operating pressure | Potenza max<br>caldaia<br>Max power boiler |
|----------------------------|------|------|------|----|------|-------|--------|--------------------------------------------------|--------------------------------------------|
| <b>1920013 - 1920061 ^</b> | 23   | 25.5 | 10   | 10 | 63.5 | 1/ 2" | 1/ 2"  | 1.5 bar                                          | 47.8 kW                                    |
| <b>1920014</b>             | 23   | 28.5 | 13   | 13 | 66.5 | 3/ 4" | 3/ 4"  | 1.5 bar                                          | 47.8 kW                                    |
| <b>1920066 *</b>           | 25.5 | 33.5 | 16.5 | 18 | 69   | 1/ 2" | 3/ 4"  | 1.5 bar                                          | 47.8 kW                                    |
| <b>1920072</b>             | 35.5 | 38   | 16   | 16 | 96   | 1"    | 1"     | 1.5 bar                                          | 136.8 kW                                   |
| <b>1920052 - 1920079 ^</b> | 24.5 | 25.5 | 10   | 10 | 65   | 1/ 2" | 1/ 2"  | 1.5 bar                                          | 47.8 kW                                    |
| <b>1920086</b>             | 37   | 38   | 16   | 16 | 97.5 | 1"    | 1"     | 1.5 bar                                          | 136.8 kW                                   |
| <b>1920033 - 1920062 ^</b> | 23   | 25.5 | 10   | 10 | 63.5 | 1/ 2" | 1/ 2"  | 1.8 bar                                          | 55 kW                                      |
| <b>1920027</b>             | 23   | 28.5 | 13   | 13 | 66.5 | 3/ 4" | 3/ 4"  | 1.8 bar                                          | 55 kW                                      |
| <b>1920067 *</b>           | 25.5 | 33.5 | 16.5 | 18 | 69   | 1/ 2" | 3/ 4"  | 1.8 bar                                          | 55 kW                                      |
| <b>1920073</b>             | 35.5 | 38   | 16   | 16 | 96   | 1"    | 1"     | 1.8 bar                                          | 157.4 kW                                   |
| <b>1920078 - 1920080 ^</b> | 24.5 | 25.5 | 10   | 10 | 65   | 1/ 2" | 1/ 2"  | 1.8 bar                                          | 55 kW                                      |
| <b>1920087</b>             | 37   | 38   | 16   | 16 | 97.5 | 1"    | 1"     | 1.8 bar                                          | 157.4 kW                                   |
| <b>1920025 - 1920063 ^</b> | 23   | 25.5 | 10   | 10 | 63.5 | 1/ 2" | 1/ 2"  | 2 bar                                            | 58.2 kW                                    |
| <b>1920034</b>             | 23   | 28.5 | 13   | 13 | 66.5 | 3/ 4" | 3/ 4"  | 2 bar                                            | 58.2 kW                                    |
| <b>1920048 *</b>           | 25.5 | 33.5 | 16.5 | 18 | 69   | 1/ 2" | 3/ 4"  | 2 bar                                            | 58.2 kW                                    |
| <b>1920074</b>             | 35.5 | 38   | 16   | 16 | 96   | 1"    | 1"     | 2 bar                                            | 166.7 kW                                   |
| <b>1920045 - 1920081 ^</b> | 24.5 | 25.5 | 10   | 10 | 65   | 1/ 2" | 1/ 2"  | 2 bar                                            | 58.2 kW                                    |
| <b>1920088</b>             | 37   | 38   | 16   | 16 | 97.5 | 1"    | 1"     | 2 bar                                            | 166.7 kW                                   |
| <b>1920008 - 1920046 ^</b> | 23   | 25.5 | 10   | 10 | 63.5 | 1/ 2" | 1/ 2"  | 2.5 bar                                          | 67.9 kW                                    |
| <b>1920012</b>             | 23   | 28.5 | 13   | 13 | 66.5 | 3/ 4" | 3/ 4"  | 2.5 bar                                          | 67.9 kW                                    |
| <b>1920042 *</b>           | 25.5 | 33.5 | 16.5 | 18 | 69   | 1/ 2" | 3/ 4"  | 2.5 bar                                          | 67.9 kW                                    |
| <b>1920075</b>             | 35.5 | 38   | 16   | 16 | 96   | 1"    | 1"     | 2.5 bar                                          | 194.4 kW                                   |
| <b>1920041 - 1920082 ^</b> | 24.5 | 25.5 | 10   | 10 | 65   | 1/ 2" | 1/ 2"  | 2.5 bar                                          | 67.9 kW                                    |
| <b>1920089</b>             | 37   | 38   | 16   | 16 | 97.5 | 1"    | 1"     | 2.5 bar                                          | 194.4 kW                                   |
| <b>4720080 *</b>           | 25.5 | 33.5 | 16.5 | 18 | 69   | 1/ 2" | 3/ 4"  | 2.5 bar                                          | 67.9 kW                                    |
| <b>1920001 - 1920028 ^</b> | 23   | 25.5 | 10   | 10 | 63.5 | 1/ 2" | 1/ 2"  | 3 bar                                            | 77.8 kW                                    |
| <b>1920003</b>             | 23   | 28.5 | 13   | 13 | 66.5 | 3/ 4" | 3/ 4"  | 3 bar                                            | 77.8 kW                                    |
| <b>1920040 *</b>           | 25.5 | 33.5 | 16.5 | 18 | 69   | 1/ 2" | 3/ 4"  | 3 bar                                            | 77.8 kW                                    |
| <b>4720011 *</b>           | 25.5 | 33.5 | 16.5 | 18 | 69   | 1/ 2" | 3/ 4"  | 3 bar                                            | 77.8 kW                                    |
| <b>1920004</b>             | 35.5 | 38   | 16   | 16 | 96   | 1"    | 1"     | 3 bar                                            | 222.8 kW                                   |
| <b>1920002 - 1920032 ^</b> | 24.5 | 25.5 | 10   | 10 | 65   | 1/ 2" | 1/ 2"  | 3 bar                                            | 77.8 kW                                    |
| <b>1920090</b>             | 37   | 38   | 16   | 16 | 97.5 | 1"    | 1"     | 3 bar                                            | 222.8 kW                                   |
| <b>1920060 - 1920064 ^</b> | 23   | 25.5 | 10   | 10 | 63.5 | 1/ 2" | 1/ 2"  | 3.5 bar                                          | 86.6 kW                                    |
| <b>1920054</b>             | 23   | 28.5 | 13   | 13 | 66.5 | 3/ 4" | 3/ 4"  | 3.5 bar                                          | 86.6 kW                                    |
| <b>1920068 *</b>           | 25.5 | 33.5 | 16.5 | 18 | 69   | 1/ 2" | 3/ 4"  | 3.5 bar                                          | 86.6 kW                                    |



| Codice<br>Code      | A    | B    | C    | D  | L    | Size  | Size 1 | Pressione di<br>intervento<br>Operating pressure | Potenza max<br>caldaia<br>Max power boiler |
|---------------------|------|------|------|----|------|-------|--------|--------------------------------------------------|--------------------------------------------|
| 1920076             | 35,5 | 38   | 16   | 16 | 96   | 1"    | 1"     | 3,5 bar                                          | 247,9 kW                                   |
| 1920055 - 1920083 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/ 2" | 1/ 2"  | 3,5 bar                                          | 86,6 kW                                    |
| 1920091             | 37   | 38   | 16   | 16 | 97,5 | 1"    | 1"     | 3,5 bar                                          | 247,9 kW                                   |
| 1920010 - 1920044 ^ | 23   | 25,5 | 10   | 10 | 63,5 | 1/ 2" | 1/ 2"  | 4 bar                                            | 97,5 kW                                    |
| 1920015             | 23   | 28,5 | 13   | 13 | 66,5 | 3/ 4" | 3/ 4"  | 4 bar                                            | 97,5 kW                                    |
| 1920069 *           | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/ 2" | 3/ 4"  | 4 bar                                            | 97,5 kW                                    |
| 1920023             | 35,5 | 38   | 16   | 16 | 96   | 1"    | 1"     | 4 bar                                            | 279,3 kW                                   |
| 1920020 - 1920084 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/ 2" | 1/ 2"  | 4 bar                                            | 97,5 kW                                    |
| 1920092             | 37   | 38   | 16   | 16 | 97,5 | 1"    | 1"     | 4 bar                                            | 279,3 kW                                   |
| 1920053 - 1920065 ^ | 23   | 25,5 | 10   | 10 | 63,5 | 1/ 2" | 1/ 2"  | 5 bar                                            | 115,4 kW                                   |
| 1920071             | 23   | 28,5 | 13   | 13 | 66,5 | 3/ 4" | 3/ 4"  | 5 bar                                            | 115,4 kW                                   |
| 1920070 *           | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/ 2" | 3/ 4"  | 5 bar                                            | 115,4 kW                                   |
| 1920077             | 35,5 | 38   | 16   | 16 | 96   | 1"    | 1"     | 5 bar                                            | 330,5 kW                                   |
| 1920059 - 1920085 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/ 2" | 1/ 2"  | 5 bar                                            | 115,4 kW                                   |
| 1920093             | 37   | 38   | 16   | 16 | 97,5 | 1"    | 1"     | 5 bar                                            | 330,5 kW                                   |
| 1920006 - 1920058 ^ | 23   | 25,5 | 10   | 10 | 63,5 | 1/ 2" | 1/ 2"  | 6 bar                                            | 135,8 kW                                   |
| 1920007             | 23   | 28,5 | 13   | 13 | 66,5 | 3/ 4" | 3/ 4"  | 6 bar                                            | 135,8 kW                                   |
| 1920039 *           | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/ 2" | 3/ 4"  | 6 bar                                            | 135,8 kW                                   |
| 4720006 *           | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/ 2" | 3/ 4"  | 6 bar                                            | 135,8 kW                                   |
| 1920009             | 35,5 | 38   | 16   | 16 | 96   | 1"    | 1"     | 6 bar                                            | 388,9 kW                                   |
| 1920005 - 1920049 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/ 2" | 1/ 2"  | 6 bar                                            | 135,8 kW                                   |
| 1920102             | 37   | 38   | 16   | 16 | 97,5 | 1"    | 1"     | 6 bar                                            | 388,9 kW                                   |
| 1920022 - 1920051 ^ | 23   | 25,5 | 10   | 10 | 63,5 | 1/ 2" | 1/ 2"  | 7 bar                                            | 157,4 kW                                   |
| 1920036             | 23   | 28,5 | 13   | 13 | 66,5 | 3/ 4" | 3/ 4"  | 7 bar                                            | 157,4 kW                                   |
| 1920057 *           | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/ 2" | 3/ 4"  | 7 bar                                            | 157,4 kW                                   |
| 1920016             | 35,5 | 38   | 16   | 16 | 96   | 1"    | 1"     | 7 bar                                            | 450,7 kW                                   |
| 1920029 - 1920047 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/ 2" | 1/ 2"  | 7 bar                                            | 157,4 kW                                   |
| 1920019             | 37   | 38   | 16   | 16 | 97,5 | 1"    | 1"     | 7 bar                                            | 450,7 kW                                   |
| 1920035 - 1920094 ^ | 23   | 25,5 | 10   | 10 | 63,5 | 1/ 2" | 1/ 2"  | 8 bar                                            | 173,1 kW                                   |
| 1920030             | 23   | 28,5 | 13   | 13 | 66,5 | 3/ 4" | 3/ 4"  | 8 bar                                            | 173,1 kW                                   |
| 1920096 *           | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/ 2" | 3/ 4"  | 8 bar                                            | 173,1 kW                                   |
| 1920026             | 35,5 | 38   | 16   | 16 | 96   | 1"    | 1"     | 8 bar                                            | 495,8 kW                                   |
| 1920037 - 1920099 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/ 2" | 1/ 2"  | 8 bar                                            | 173,1 kW                                   |
| 1920024             | 37   | 38   | 16   | 16 | 97,5 | 1"    | 1"     | 8 bar                                            | 495,8 kW                                   |
| 1920011 - 1920095 ^ | 23   | 25,5 | 10   | 10 | 63,5 | 1/ 2" | 1/ 2"  | 9 bar                                            | 192,4 kW                                   |
| 1920043             | 23   | 28,5 | 13   | 13 | 66,5 | 3/ 4" | 3/ 4"  | 9 bar                                            | 192,4 kW                                   |
| 1920097 *           | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/ 2" | 3/ 4"  | 9 bar                                            | 192,4 kW                                   |
| 1920050 - 1920100 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/ 2" | 1/ 2"  | 9 bar                                            | 192,4 kW                                   |
| 1920018 - 1920056 ^ | 23   | 25,5 | 10   | 10 | 63,5 | 1/ 2" | 1/ 2"  | 10 bar                                           | 209,8 kW                                   |
| 1920031             | 23   | 28,5 | 13   | 13 | 66,5 | 3/ 4" | 3/ 4"  | 10 bar                                           | 209,8 kW                                   |
| 1920098 *           | 25,5 | 33,5 | 16,5 | 18 | 69   | 1/ 2" | 3/ 4"  | 10 bar                                           | 209,8 kW                                   |
| 1920038 - 1920101 ^ | 24,5 | 25,5 | 10   | 10 | 65   | 1/ 2" | 1/ 2"  | 10 bar                                           | 209,8 kW                                   |

\*Bigger outlet size versions

^Versions with manometer 1/4"

## Installation

The safety relief valves can be installed in orizontal or vertical position respecting the flow direction indicated on the valve body.

The valve correct size shall be defined by a specialized personel looking at the circuit desing and in respect of the current legislation.

The discharge pipework shall be also desinged in order to avoid any damages to persons or goods and in order to ensure the correct valve operation.

On hot water system the valve shall be installed near to the hot water storage and any shut-off device can be installed in between.

On heating systems the valve shall be installed in the upper side of the boiler or on the flow pipework at a maximun distance of one meter and any one shut-off device shall be installed in between.

For any further information please refer to your local dealer or directly to TIEMME S.p.A.

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