# DECLARATION OF PERFORMANCES

*(According UE n° 574/2014 Regulation Appendix)*

## DoP PI010AEN v5

CE

**1.- Unique identification code of the product type**

PI80100150 (Pillar fire hydrant PAM DN80-100-150 PFA16 bar in compliance with BS EN 14384:2005)

**2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11 (4) of 305/2011 (UE) Regulation**

### PILLAR FIRE HYDRANT DN80 Type A and Type C

| DESIGNATION | DEPTH OF COVER | INLET TYPE | OUTLET TYPE |
|---|---|---|---|
| **C9 + (PLUS)** | From 0,3 to 1,25m | Straight or bended box | SYM, STORZ, UNI, UNE, BOMBEROS, BS 336 ½'' With or without hose valves |
| **ATLAS + (PLUS)** | From 0,3 to 1,25m | Straight or bended box | SYM, STORZ, UNI, UNE, BOMBEROS |
| **ELANCIO** | From 0,3 to 1,25m | Straight or bended box | SYM |

### PILLAR FIRE HYDRANT DN100 Type A and Type C

| DESIGNATION | DEPTH OF COVER | INLET TYPE | OUTLET TYPE |
|---|---|---|---|
| **C9 + (PLUS)** | From 0,3 to 1,8m | Straight box | SYM |
| **C9 + (PLUS** | From 0,3 to 1,25m | Straight or bended box | SYM, STORZ, UNI, UNE, BOMBEROS, BS 336 4''+2'' ½ With or without hose valves |
| **ATLAS + (PLUS)** | From 0,3 to 1,25m | Straight or bended box | SYM, STORZ, UNI, UNE, BOMBEROS |
| **ELANCIO** | From 0,3 to 1,25m | Straight or bended box | SYM |
| **RATIONNEL + (PLUS)** | From 0,3 to 1,25m | Straight or bended box | SYM, STORZ, UNI, UNE, BOMBEROS |
| **TANGO** | From 0,3 to 1,25m | Straight or bended box | SYM, STORZ, UNI, UNE, BOMBEROS, BS 336 4''+2'' ½ With or without hose valves |
| **TANGO** | From 0,3 to 1,8m | Straight box | SYM |

### PILLAR FIRE HYDRANT DN150 Type A and Type C

| DESIGNATION | DEPTH OF COVER | INLET TYPE | OUTLET TYPE |
|---|---|---|---|
| **ATLAS 150** | From 0,3 to 1,25m | Straight box | SYM, STORZ, |
| **ATLAS AWWA** | From 0,3 to 1,25m | Straight box | NFPA, BS 336 4''+2'' ½ With or without hose valves |

**Options :** These Pillar fire hydrant can be equipped with additional CERBERE sensor or anti-streetpooling device (KASP).

**3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:**
Manufacture pillar fire hydrants to be mounted in the public and private network to fire network according to the standard EN 14384:2005

**4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required according to Article 11 (5) of 305/2011 (UE) Regulation :**
Saint-Gobain PAM Canalisation
21, avenue Camille Cavalier
54705 PONT-A-MOUSSON CEDEX
France
www.pamline.fr

**5. Where applicable, name and contact address of the authorized representative whose mandate covers the task specified in Article 12 (2)**
Non applicable

**6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V of 305/2011 (UE) Regulation:**
System 1

**7. In case of declaration or performance concerning a construction product covered by a harmonized standard**
The CSTB (Notified organism N°0679) has made a determination of the product type on the basis of the test type, using the system 1. Report of the results was delivered. Tests are according to EN 1074-6: 2008 standard
« Valves for water supply. Fitness for purpose requirements and appropriate verification tests. Part 6: Hydrants and underground hydrants » and EN 14384: 2005 « Pillar fire hydrants » standard.

**8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:**
Non applicable.

## 9. Declared performances

Technical specifications according to BS EN 14384:2005.

| EN 14384 article | Operational description/ Essential characteristics | Performance / standard(s) |
|---|---|---|
| **Fiability of function** | | |
| 4.2 | Construction : Body | Ductile Iron EN1503.3 (GJS) |
| 4.3 | Construction : Elastomer | EPDM according to EN681.1 standard |
| 4.4 | Construction : wedge changing | Compliant : possible to replaces in situation |
| 4.5 | Construction : Drinking Water | All components in contact with drinking water with ACS |
| 4.7 | Construction : traffic | According to EN1074-6 : 2008 standard |
| 4.11 | Construction : According to handling | Compliant under requirements of the countries to EN 14384:2005 standard |
| 4.14 | Construction : emptying device | According to EN 1074-6 :2008 standard (Table 3) : Vol staying max (ml) : DN80 ≤100, DN100≤150, DN150≤200 Time to empty max (min) : < 10 min/m |
| 4.17 | Construction : Color | According to fire protection regulation (X 08-008 standard) |
| 4.19 | Construction : Resistance to not drinking water | Compliant |
| 4.6 | Pressure : Hydraulic and mechanical resistance | According to EN1074-1 & 6 standards : Wedge test to 17,6 bar and body test to 25 bar |
| 4.8 | Way to closing | Compliant : Clockwise closing - CC |
| 4.9 | Number of turns to opened | Compliant:DN80 & 100 = 13±1 turns & DN150 = 17±1 turns |
| 4.10 | Resistance to efforts of handling for pillar fire hydrants | According to 14384 :2005 standard Table 3 (1 level) : MOT DN80, 100 and 150 ≤ 80 Nm mST DN80, 100 and 150 ≥ 250 Nm |
| 4.18 | Résistance to desinfection products | According to NF EN 1074-1 standard |
| 4.20 | Hydraulic characteristics | Kv is according to EN14384:2005 standard (table 4) |
| **Dimension to network connect** | | |
| 4.12 | Dimension to connect fittings | Flange Ductile Iron PN16 EN1503.3 of EN1092-2 standard |
| 4.13 | Dimension to connect outlets | For each diameter and type to refer glued label in each packaging |
| **Durability and reliability.** | | |
| 4.16 | Corrosion resistance | Body in Ductile Iron with epoxy podwer 250 µm. Other components in stainless steel, brass, bronze and galvanized steel |
| 4.6.4 | Endurance test | According to 1000 cycles NF EN1074-6 : 2008 standard |

## 10. Conclusion

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Pont-à-Mousson, the 15th of June 2022

Antoine de SAINT VINCENT,
Marketing manager RFH of SG PAM Canalisation