



# Declaration of Performance

## DoP n. 9 - Pellet Smart Pro

### 1 UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE

Pellet Smart Pro

### 2 INTENDED USE

Connecting flue pipe from the appliance to the chimney.

### 3 MANUFACTURER

FUMUS - Via Enrico fermi, 16/A / I-36010 Chiuppano (VI) – Italy / e-mail: info@fumusfluepipe.com

### 4 REPRESENTATIVE

Not applicable

### 5 WVCP SYSTEMS

System 2+

### 6a HARMONISED STANDARD

EN 1856-2:2009 - Notified body: **KIWA CERMET Italia Spa**, with identification number 0476, issued certificate No. **0476-CPR-7329** of conformity of the factory production control.

### 6b EUROPEAN ASSESSMENT DOCUMENT

Not applicable

### 7 DECLARED PERFORMANCE

Diameters - mm	Reference Standard	Designation	Sealing Elastomers
80-100	EN 1856-2	T200-P1-W-V2-L80100-O40	Silicon gasket
80-100	EN 1856-2	T250-P1-W-V2-L80100-O80	Viton gasket
80-100	EN 1856-2	T600-N1-W-V2-L80100-G375NM	Not present

Essential characteristics	Performance	Harmonized technical specification
Total thickness after enamel-coating	1,2 mm	EN 1856-2:2009
Compressive strength	NPD	
Fire resistance	G375NM without gaskets O40 with silicone gaskets O80 with Viton gaskets	
Gas tightness	P1 ( $\leq 0,006 \text{ ls}^{-1}\text{m}^{-2}$ at 200 Pa) with gaskets N1 ( $\leq 2 \text{ ls}^{-1}\text{m}^{-2}$ at 40 Pa) without gaskets	
Roughness coefficient	0.1 mm (stated)	
Flow resistance		
D. 80x1000	3,8 dp (Pa) at 6 m/s	
D. 80 - 90° elbow	8,3 dp (Pa) at 6 m/s	
Thermal resistance	NPD	



Essential characteristics	Performance	Harmonized technical specification
Thermal shock resistance		EN 1856-2:2009
Sootfire resistance	G - Test passed	
Temperature class	T200 with silicone gaskets	
	T250 with Viton gaskets	
	T600 without gaskets	
Flexural strength	NPD	
Resistance to steam and/or condensate	W - if installed without gaskets, ensure a minimum inclination of 5° in the non-vertical section	
Corrosion resistance	Class V2	
Freeze/thaw resistance	NPD	

## 8 APPROPRIATE TECHNICAL DOCUMENTATION AND/OR SPECIFIC TECHNICAL DOCUMENTATION

See instructions for **Pellet Smart Pro** Model on following page.

The performance of the above-mentioned product complies with the combination of performances declared.  
This declaration of responsibility is issued pursuant to Regulation (EU) no. 305/2011 at the exclusive responsibility of the manufacturer above.

Chiuppano 01 June 2023

**Director**  
Gianbattista Savegnago



Rev. 00 - 01.06.2023

## Instructions

### Pellet Smart Pro



#### MANUFACTURER

FUMUS, Via Enrico Fermi 16/A I 36010 – Chiuppano (VI) Italy

#### PRODUCT DESIGNATION IN ACCORDANCE WITH EN 1856-2:2009

Diameters - mm	Reference Standard	Designation	Sealing Elastomers
80-100	EN 1856-2	T200-P1-W-V2-L80100-O40	Silicon gasket
80-100	EN 1856-2	T250-P1-W-V2-L80100-O80	Viton gasket
80-100	EN 1856-2	T600-N1-W-V2-L80100-G375NM	Not present

#### CHARACTERISTICS

- Double sided vitreous enamelled steel single wall connecting flue pipe. Total thickness (steel + enamel) 1.2 mm.
- Maximum operating temperature:  
with VITON gaskets: 250°C – with silicone gaskets: 200°C – without gaskets: 600°C
- Suitable for operating in positive pressure when installed with the appropriate gaskets and in wet conditions (in the presence of condensate) when installation is performed as described below.

#### ASSEMBLY INSTRUCTIONS

- **Pellet Smart Pro** flue pipes are cylindrical with a socket at one end to permit connection with other elements.
  - Before installing, make sure that the vitreous enamel coating is undamaged in the inner side too.
  - Before installing the pipes, assemble the gasket by fitting it into the housing in the tapering with its lips facing the outside of the pipe.
- Important: the seal is guaranteed only by using the gaskets we supply with our label on the package.**
- Wet operation conditions (when condensate is present inside the pipe): the pipes must be assembled in anti-condensate mode (with the female end of the pipe above and the male end below), ensuring in the non-vertical section a slope of at least 5°.
  - Minimum distance from combustible materials: see DoP no. 9.
  - In non-vertical installations: fix every piece with a pipe holder.
  - Before starting the operations, check the correct draught of flue system (connecting flue pipe + chimney).
  - In any case, installation must be in accordance with the technical standards of the country.
  - Avoid any tampering, cutting or other operations that could affect the validity of the properties declared in the DoP and therefore of the CE marking.

#### FILLING OUT THE FLUE PIPE PLATE

**CERTIFICATED 0476 - CPR - 7329**

☐ WOOD ORIGIN

☐ WOOD PRO

☐ PELLET SMART BASIC

☐ PELLET PRO

☐ PELLET BASIC

☐ WOOD BASIC

☐ WOOD 1.4

☐ PELLET SMART PRO

SECTION RESERVED AT THE INSTALLER

1. DESIGNATION EN 1443

2. DIAMETER (mm)

3. DISTANCE OF COMBUSTIBLE MATERIAL (mm)

4. INSTALLER (name and address)

DATE

ATTENTION: DON'T REMOVE OR MODIFY THE PLATE.

- ☐ Tick the box indicating the line of product installed
1. Enter the designation of the line of product as shown in its DoP
  2. Enter the diameter in mm
  3. Enter the distance from combustible materials expressed as designated
  4. Enter the name of the installer
- DATE** Enter the date of installation

### **CLEANING**

Connecting flue pipes must be periodically cleaned to ensure the stove has a suitable draught and operates well as a consequence. Periodic cleaning also prevents the so-called sootfire, in other words the lighting of unburnt parts deposited inside the pipe. Sootfire creates very high temperatures that can damage the gaskets and therefore jeopardize gas tightness. The use of inspectable elbow connectors permits cleaning without requiring the disassembly of the parts: all you need to do is remove the inspection opening and then use a vacuum cleaner to suck up the soot from inside.

*CLEANING INTERVAL:* every 3 months of operation. Wherever long and especially horizontal sections are installed, cleaning should be performed more frequently.

### **INSPECTION**

The flue pipes and the gaskets must be checked periodically during the cleaning operations. Pay extra attention to the gaskets, and replace them whenever even the slightest sign of damage is observed. In case of sootfire, the gaskets must be changed and the flue system should be checked by an expert technician.

### **STORAGE INSTRUCTIONS**

Avoid all impact.