



## PS PLENUM

PPS  
SERIES

### OVERVIEW

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The PPS series of polystyrene assemblable plenum boxes have a density of 45 kg/m<sup>3</sup>, with a Fire class 1 quality, eternally crystallised.

The transformation process and the special properties of the material, make the PPS a very compact and lightweight plenum.

These special features combined to the trapezoidal shape that distinguish it, allows the fixing of the unit in completed countersealing structure. This facilitates both the realisation and maintenance of the system. Given the light weight, the plenum is positioned on the structure of the counter ceiling, eliminating therefore the necessity of using hanging clips for fixing to the ceiling.

This has the advantage of reducing considerably the fitting time and a saving of the space used of over 50%, compared to a traditional plenum box.

The PPS has an excellent thermal acoustic insulation characteristic. It does not therefore require additional insulating material.

The PPS plenums can be supplied already assembled with a square 600x60mm diffuser panel, model KQ1, complete with regulation damper in ABS and equalizer, ready for installation.

As an alternative, there is also a version assembled but without the diffuser fitted.

Lastly a kit is also available, comprising the plenum, the connection "C", bar "A" and assembly diagram.

Installation: once the diffuser has been fitted to the plenum using the screw "V" (PPS-V680T) to bar "A", the plenum is positioned on the counter ceiling structure.

#### TECHNICAL CHARACTERISTICS:

fire reaction:  
Class I - Test report CSI DC01/378F05.  
Euroclass E - Test report CSI DC01/656F07

Mechanic resistance:  
10% deformation with 226kPa pressure - Test report CSI 0936/FPM/MATs/07.

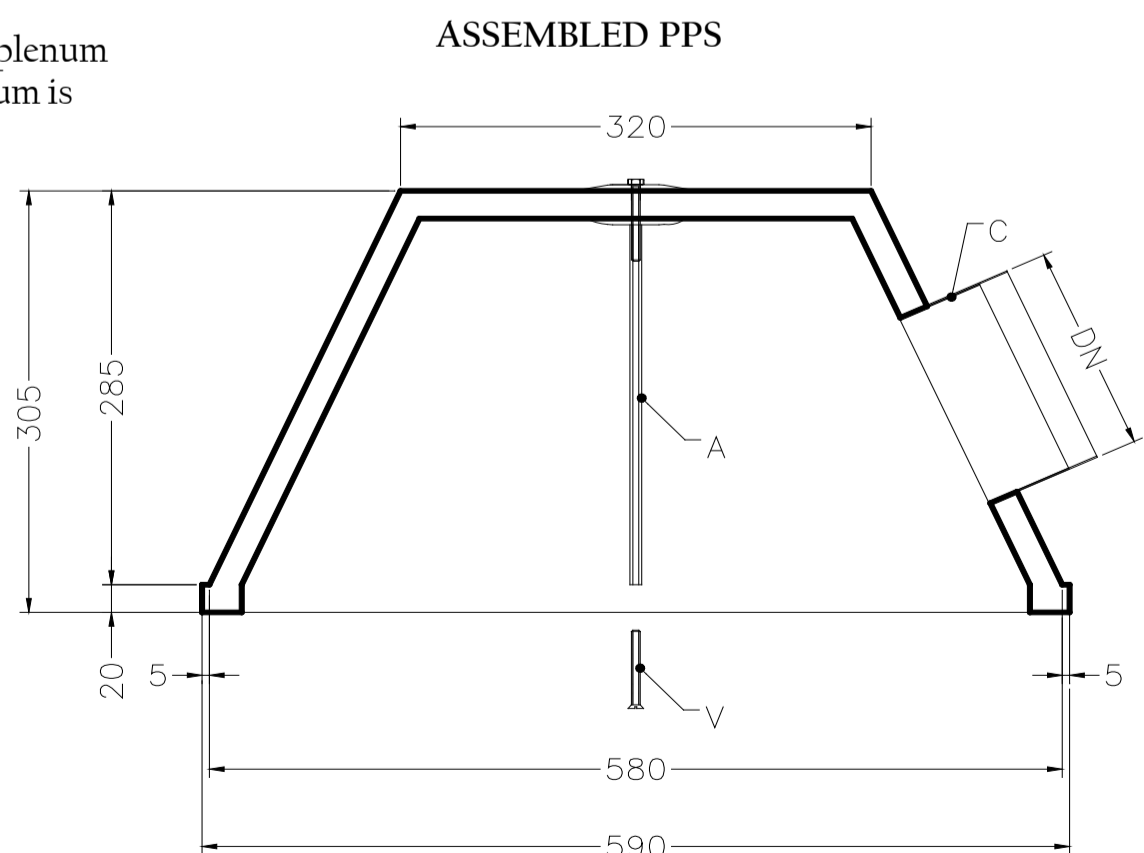
Water absorption:  
Increase average volume 3,26% in full immersion, tested according to UNI EN 12087 method 2A - Test report CSI 0936/FPM/MATs/07\_2.

Thermal conductivity:  
 $\Delta$  (average) 0,0320 W/mK - Test report CSI 0037/DC/TTS/07.

Thermal resistance:  
R (average) 0.637 m<sup>2</sup>K/W - Test report CSI 0037/DC/TTS/07.

Test certificate type:  
Certificate CSI DE/1831/07 issued in conformity to directive 89/106/CEE on the basis of UNI EN 13163/2003 and UNI EN 13172/2003.

The documentation indicated above can viewed in electronic form in Italian with prior agreement from the Technical Department.





## PS PLENUM

### CODES

## PPS SERIES

Image	Description	Connector diameter	Code
	Plenum in PS already assembled with connector in ABS with damper and without equalizer.	125	PPS-PS125
		160	PPS-PS160
		200	PPS-PS200
		250	PPS-PS250
	Plenum in PS already assembled, complete with connector in ABS with damper and equalizer.	125	PPS-PES125
		160	PPS-PES160
		200	PPS-PES200
		250	PPS-PES250
	Plenum in PS already assembled, complete with connector in ABS with damper, equalizer and diffuser KQI 600.	125	PPS-KQIPES125
		160	PPS-KQIPES160
		200	PPS-KQIPES200
		250	PPS-KQIPES250

### ACCESSORIES

	Only PS bell shape body with fixing bar (without connector)		PPS-KIT
	Equalizer for plenum		PPS-E
	Connector in ABS	125	RR10-125
		160	RR10-160
		200	RR10-200
		250	RR10-250
	Damper for connectors in ABS	125	RRS10-125
		160	RRS10-160
		200	RRS10-200
		250	RRS10-250
	Fixing screw (usually already included in the DIFFUSER)		PPS-V680T