

DROPLET SEPARATOR COMPLETELY IN ALUMINIUM - ATEX

PSG10 / PSG33



APS Arosio SpA presents the new anchor of the blades in extruded aluminum EN AW 6060 T6, code KITPSG04AL, which together with the use of aluminum blades allows the realization of droplet separators without plastic components.

Construction:

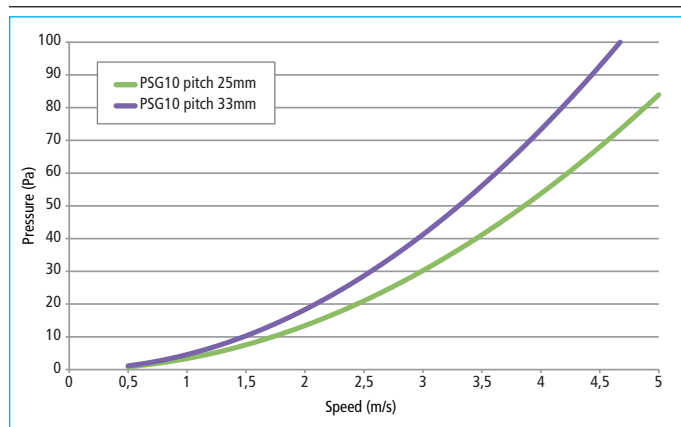
- Frame - Extruded aluminium, EN AW 6060 T6
- Blade - aluminium (EN AW 6060 T6)
- Special system of anchorage in aluminium

Design:

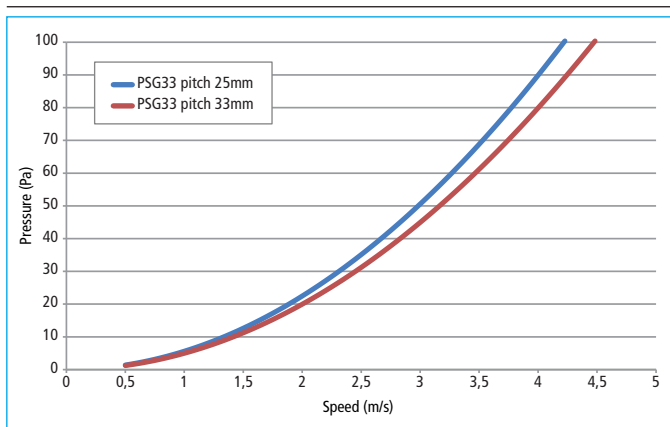
- Blade - 25 mm pitch

Test - Pressure drop / ISTITUTO GIORDANO

PSG10

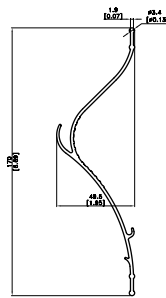


PSG33



PSG10

PSG10-0400 Blade profile h. 170 mm / 6.69"



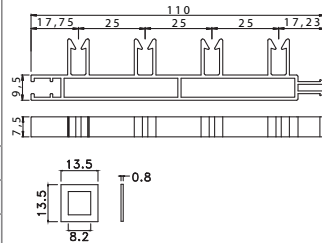
Material: **EN AW 6060**

Finish: **Natural / Painted / Anodized**

Treatment: **T6**

Weight: **1.269 kg/m**

KITPSG04AL 25 mm pitch aluminium profile



Material: **aluminium/galvanized steel**

Finish: **Natural**

Treatment: **-**

Weight: **1.269 kg/m**

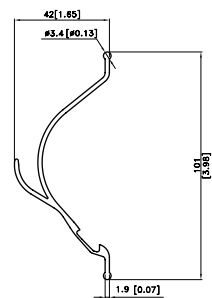
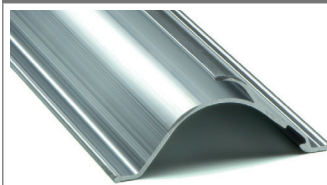
"APS AROSIO" DROPLET SEPARATORS

- Before starting droplet separator assembly, please read the assembly instructions carefully.
- Working operating conditions depend on blades and anchorage system material.
- APS Arosio droplet separators are designed to be used in Air Handling Units. For other applications please contact us.
- APS Arosio can only guarantee full functionality if you purchase complete droplet separators from us.
If you built them by yourself using our original components we guarantee the functionality in principle predicted that the droplet separator is built and mounted in according to our instructions and with professionalism. If only individual parts are purchased, we are only responsible for the components quality, dimensions and tolerances.
- Pay attention to the fixation/installation of the droplet separator, otherwise APS Arosio will not be responsible for the functionality.
- Avoid the use of aggressive solvents or acid solutions.
- All APS Arosio products are guaranteed against defects in manufacturing for a period of one year from the date of shipment.
If a defect should develop within this period, the customer must contact his referent in the APS Arosio agreeing before the return of the assembled product or parts of it, with transport at his charge with destination to our factory in Gessate, to be checked and then repaired or replaced up to our judgement.
No responsibility is taken by APS Arosio in case of damages caused by corrosion, improper use of the products or use of aggressive solvents and acid solutions.
No warranty is given in case of wrong installation or use of original parts together with not original parts.

A.P.S. Arosio S.p.A. **Arosio Claudio** The Sole Director

PSG33

PSG33-0400 Blade profile h. 101 mm



Material: **EN AW 6060**

Finish: **Natural / Painted / Anodized**

Treatment: **T6**

Weight: **0.852 kg/m**

BESCHENIGUNG ■ CERTIFICATION ■ ATTESTATION ■ COMPROBANTE ■ ZAŚWIADCZENIE ■ СЕРТИФИКАТ



Attestation

No. **713125805**
from **15.02.2018**

Applicant: APS Arosio GmbH
Gewerbering 1-3
D-91564 Neuendettelsau

Manufacturer: APS Arosio GmbH
Gewerbering 1-3
D-91564 Neuendettelsau

Product: Droplet separator
Type : PSG 33 - 0400 / PSG 10 - 0400

Technical data: Aluminum casing
Aluminium slats

Test-specification: Evaluation of the usability in Ex-areas
EN 1127-1:2011; EN 13463-1:2009

Technical Report: Technical report no. 713125805 from 15.02.2018
This report is an integral part of this certificate.

Bedingungen: None

TÜV SÜD Product Service GmbH attested the following property for the above-mentioned product: The product is designed for use in hazardous areas of Zone 1 / 21 / 2 / 22 and the gas group IIB.

TÜV SÜD Product Service GmbH

TÜV SÜD Product Service GmbH

Dipl. Phys. Andres Pfeil
Branchenkompetenzentrum Maschinen
und Industrieprodukte

Thomas Mayer
Branchenkompetenzentrum Maschinen
und Industrieprodukte

Translation
TÜV SÜD Product Service GmbH, Gottlieb-Daimler-Straße 7, D-70794 Filderstadt

Technical data sheet material EXTRUSION ALUMINIUM 6060 T6 EN AW 6060

Compliance with standards

USA	Italy	Germany	-	France	Great Britain	Switzerland
A.A.	UNI	DIN	W.N.	Afnor	B.S.	S.N.
6060	EN AW 6060	AlMgSi0,5	3.3206	6060	6060	AlMgSi0.5

Chemical composition

Numerical indication	-										Impurities	
A.A.	Si	Fe	Cu	Mn	Mg	Cr	Zn	Zr	Ti	Each	Total	
6060	0.3-0.6	0.1-0.3	0.10	0.10	0.35-0.6	0.05	0.15	-	0.10	0.05	0.15	

Mechanical properties

Numerical indication A.A.	Dimension mm x = Thickness	Physical status according to UNI 8278	Tensile strength at break Rm (N/mm ²)	Yield point Rm 0,2 (N/mm ²)	Stretching to break point %	Stretching to 50mm %
6060	EN AW 6060	T6	190 - 170	150 - 140	8	6



A.P.S. Arosio S.p.A. Via Rogorino, 1 Gessate, Milano - Italy - info@apsarosio.com
tel. +390295380017/8 - fax Italy +390295780766 - fax export +390295780762