

Droplet separator **PSG20**



APS Arosio has optimized its droplet separator.

The new anchor concept of the blades significantly improved the assembly times and the special design of the nylon molded profiles (pitch 25 mm and 33 mm), allows to apply more easily and safely the blade profiles PSG10, PSG20 and PSG33 (in their version of polypropylene or aluminium). The sturdiness and solidity of the system are also guaranteed by the new aluminium profile PSG-000000, offering the advantage of using this same code for the 3 different types of separators. The new aluminium profile PSG-100000 represents the ideal solution to built large separators. This droplet separator was designed to fully meet the requirements of the manufacturers and provides an integrated water drainage system that does not require further machining on the profiles.

Keeping the same design features of all other APS Arosio droplet separators, this model has a different blade design: double wave, with a higher draining capacity. In this solution the blade comes in extruded polypropylene only.

Material of the components

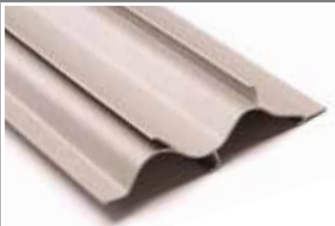
Frame	EN AW 6060 T6 extruded aluminium
Blade PSG20-0300 and PSG20-0R03	Extruded Polypropylene
Spacer PSG-04-FG0	Nylon pitch 25 mm / 0.98"
Spacer PSG-05-FG0	Nylon pitch 33 mm / 1.30"

Blades

TECHNICAL DATA

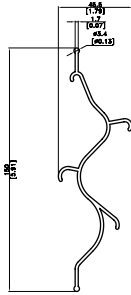
Max profile lenght 6000 mm / 234"

PSG20-0300 Blade profile h. 150 mm / 5.91"



Material: **PP + Antibacterial certified VDI6022**

Weight: **0.430 kg/m**

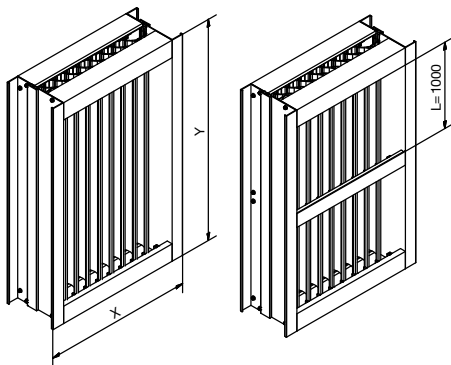
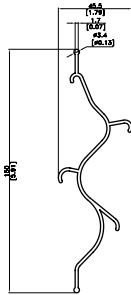


PSG20-0R03 Blade profile h. 150 mm / 5.91"



Material: **PP**

Weight: **0.430 kg/m**



Cutting table

Top/Bottom profile PSG-000000	= X - 60 mm
Shoulder profile PSG20-0200	= Y
Aluminium blade profile PSG20-0400	= Y - 50 mm
Polypropylene blade profile PSG20-0300 / PSG20-0R03	= Y - 50 mm
Closing profile PSG-06-000	= Y - 48 mm
Reinforcement profile PSG-100000	= X - 60 mm

Profiles

TECHNICAL DATA

Max profile lenght 6000 mm / 234"

PSG20-0200 Shoulder profile

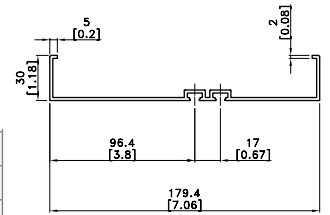


Material: **EN AW 6060**

Finish: **Natural / Painted / Anodized**

Treatment: **T6**

Weight: **1.502 kg/m**



PSG-000000 Top - bottom profile

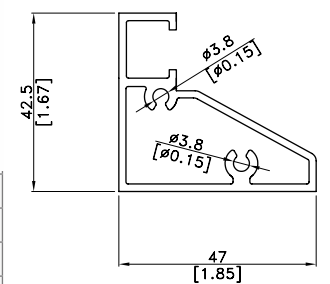


Material: **EN AW 6060**

Finish: **Natural / Painted / Anodized**

Treatment: **T6**

Weight: **0.952 kg/m**



PSG-100000 Reinforcement profile

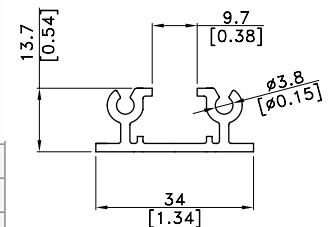


Material: **EN AW 6060**

Finish: **Natural / Painted / Anodized**

Treatment: **T6**

Weight: **0.433 kg/m**



PSG-06-000 Closing profile

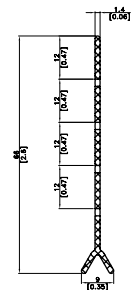


Material: **Polypropylene**

Finish: **Natural / Painted / Anodized**

Treatment: **-**

Weight: **0.100 kg/m**



Components

PSG-04-FG0 25 mm pitch nylon profile



Material: **nylon**

Lenght: **225 mm**

Weight: **23 g**

PSG-05-FG0 25 mm pitch nylon profile

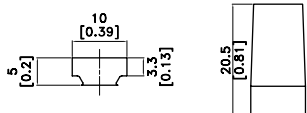


Material: **nylon**

Lenght: **297 mm**

Weight: **30 g**

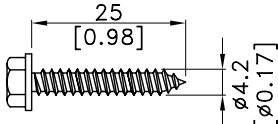
PSG-07-000 Nylon plug + GF



Material: **Nylon + GF**

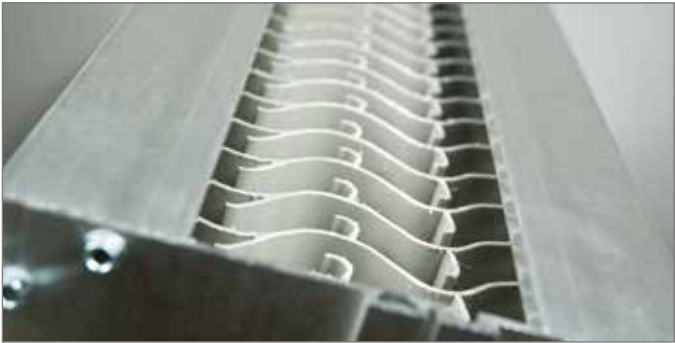
Weight: **3 g**

VTE1000000 Screw

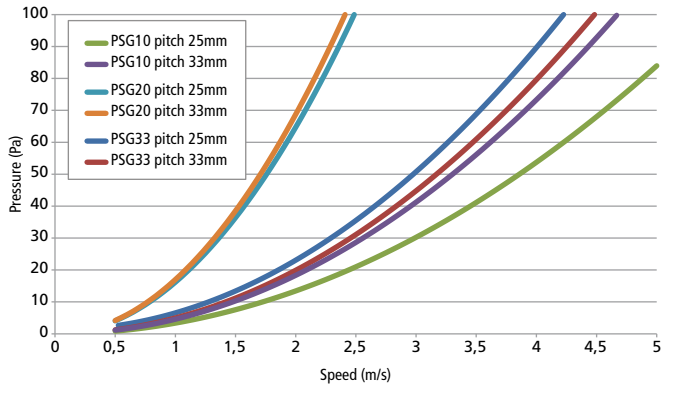
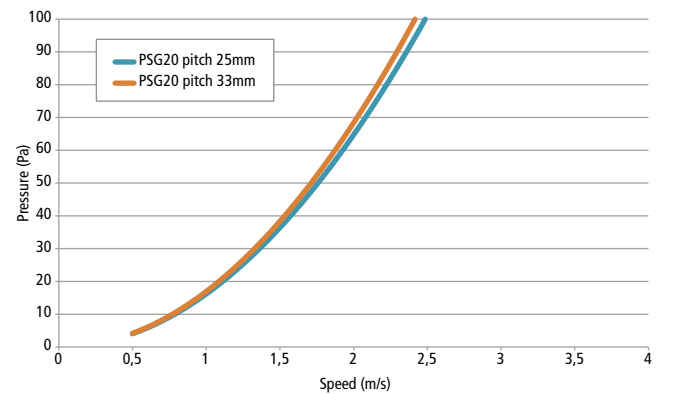


Material: **Steel**

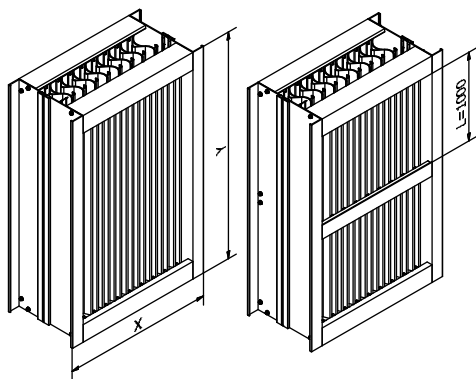
Finish: **Galvanized**



Test



Assembly Instructions



Cutting table

Top/Bottom profile PSG-000000	= X - 60 mm
Shoulder profile PSG20-0200	= Y
Polypropylene blade profile PSG20-0300 - PSG20-0R03	= Y - 50 mm
Closing profile PSG-06-000	= Y - 48 mm
Reinforcement profile PSG-100000	= X - 60 mm

Aluminium profiles



PSG-000000 Top - bottom profile



PSG-100000 Reinforcement profile



PSG20-0200 Shoulder profile

Polypropylene profiles



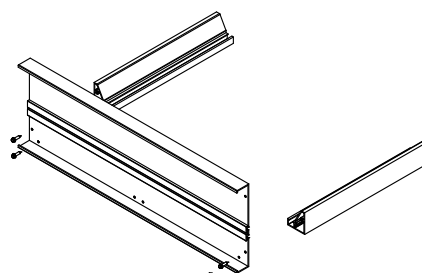
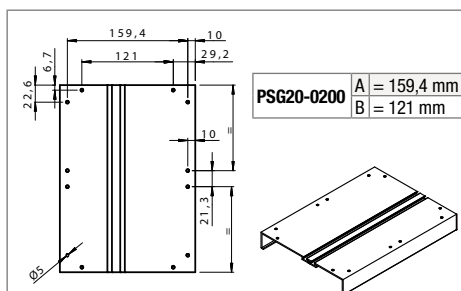
PSG-06-000 Closing profile



PSG20-0300 Blade profile

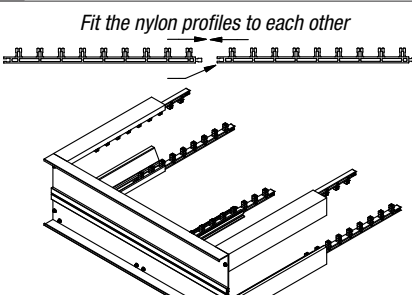


PSG20-0R03 Blade profile



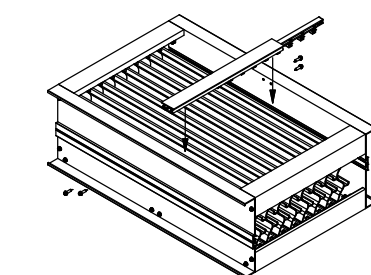
1 Cut the profiles following the table above. Proceed with the drilling of the shoulder profiles.

2 Fix the PSG-000000 profiles on the shoulder profiles.



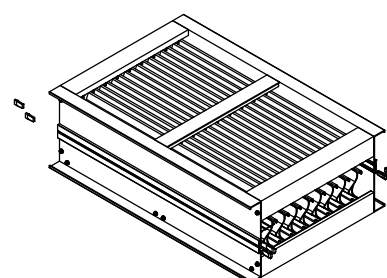
3 Repeat step 2. Fix PSG-100000 profile for each 1000 mm.

4 Join the nylon profiles PSG-04-FG0 or PSG-05-FG0. Cut to length and insert them in the PSG-000000.



5 Fix PSG20-0200, insert the blades profiles in the nylon profiles with a little pressure.

6 Fix the remaining PSG-100000 (including nylon pitch profiles) on PSG20-0200.



7 Insert the closing profiles PSG-06-000 in the specific channel of the PSG20-0200.

8 Insert the nylon plugs PSG-07-000 in the PSG20-0200 to complete the separator.

Components



PSG-04-FG0 Nylon profile pitch 25 mm



PSG-05-FG0 Nylon profile pitch 33 mm



PSG-07-000 Nylon plug + GF



VTE1000000 Screws