



PURAIN filter DN100 with skimmer

Code: **PR-100-o.RS**

Article number: **210136**

EAN: **4251173100196**

Quick Overview

- PURAIN Rainwater filter for a single family dwelling
- for discharge pipes up to DN100
- with stainless steel trapezoidal gap sieve
- with integrated skimmer overflow
- minimal height offset
- minimal maintenance intervals
- removing dirt by immersing the sieve
- self-cleaning due to the hydraulic jump effect
- integrated non-return valve
- minimal blocking due to the trapezoidal gap sieve design
- filter cleaning efficiency is maintained with the use of the backflushing nozzle, the nozzle flushes the sieve clean from behind
- minimal blocking due to distribution over the total sieve surface
- immediate filtering = no start-up losses
- minimal tilt sensitivity



Product Description

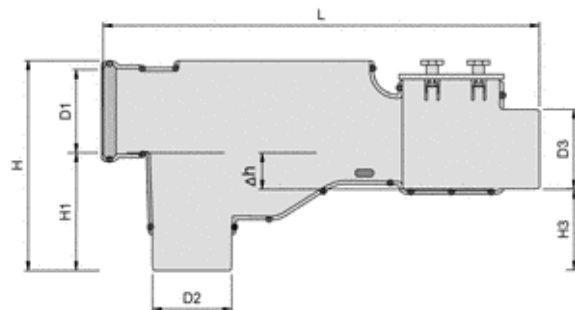
The PURAIN Rainwater filter, also known as the hydraulic jump filter, is the innovation for roof areas ranging from 60m² to more than 15.000m².

This hydraulic jump technology cleans itself automatically. The design model for PURAIN Rainwater filters comes from nature: At almost every course in a stream, you can see how the hydraulic jump functions. The water flows over one of the stones, smooth and rounded by the action of the water over time. The water flow is substantially changed by the height drop, from a sub-critical to a super-critical flow. At the bottom of the dip, the waterflow changes again to a subcritical flow in a process now commonly known as hydraulic jump. This resulting increase in water power forces any impurities over the next level and washes them away downstream.

Shipping

Gross weight (incl. packaging)	4.41 lbs
Net weight	3.31 lbs
Weight EU-pallet max. quantity	330.69 lbs

Technical Drawing



D1:	Intake
D2 :	Drain outlet for cistern
D3 :	Wastewater outlet
H1:	Intake
H2 :	Outlet for Cistern
H3 :	Wastewateroutlet
Δh :	Vertical offset between intake and waste water drainage

Technical Data

Length	23.82 in
Width	7.09 in
Height	11.34 in
Net weight	3.31 lbs

Mesh size	0.03 in
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height)	in
Max. quantity per EU-pallet	48 units
Carton volume	1.42 ft³
Volume EU-pallet max. quantity	68.18 ft³
HS-Code	84212100

Height, intake	6.46 in
Height, dirty water connection	4.49 in
Height offset Δh	1.97 in
Intake connection	DN 100
Clear water outlet	DN 100
Dirty water outlet	DN 100
Color	Schwarz
Material	Edelstahl, EPDM, PP
Effective efficiency	98
Patented	Yes

Information

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