



PURAIN Filter Heavy Duty DN400

Code: **PR-HD-400**

Article number: **210166**

EAN: **4251173100288**

Quick Overview

- The PURAIN-HD (Heavy Duty) model SLW60 (Heavy duty vehicles up to 60 tons), is designed as a subsurface variant.
- PR-HD rainwater water filters are made accessible with conventional manhole lids and rings.
- for discharge pipes up to DN400

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.

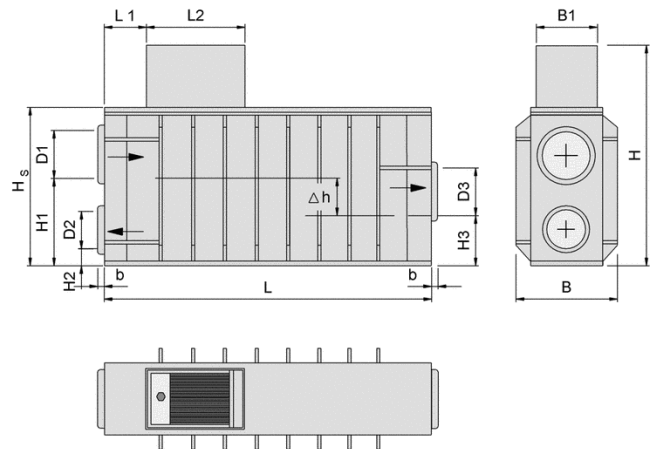
This hydraulic jump technology cleans itself automatically. The design model for PURAIN Rainwater filters comes from nature: At almost every course in a stream, you can see how the hydraulic jump functions. The water flows over one of the stones, smooth and rounded by the action of the water over time. 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)	414.47 lbs
Net weight	414.47 lbs
Weight EU-pallet max. quantity	447.54 lbs
Max. quantity per EU-pallet	1 units
Volume EU-pallet max. quantity	91.26 ft ³
HS-Code	84212100



Technical Drawing



D1 :	Intake
D2 :	Drain outlet for cistern
D3 :	Wastewater outlet
H1 Intake:	Intake
H2 :	Outlet for Cistern
H3 :	Wastewateroutlet
Δh :	Vertical offset between intake and waste water drainage
a :	Length spigot end
b :	Packing collar

Technical Data

Lenath

80.43 in

Width	26.38 in
Height	56.69 in
Net weight	414.47 lbs
Mesh size	0.03 in
B1 see technical drawing	14.57 in
L2 see technical drawing	16.69 in
L1 see technical drawing	17.64 in
Height, intake	22.52 in
Height, dirty water connection	8.90 in
Height, clear water connection	2.13 in
Shoulder height	40.94 in
Height offset Δh	13.62 in
Intake connection	DN 400
Clear water outlet	DN 300
Dirty water outlet	DN 400
Color	Schwarz
Material	Edelstahl, NBR, PP
Effective efficiency	98

Information

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