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**SOLUTIONS**  
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## Purain HD DN 200

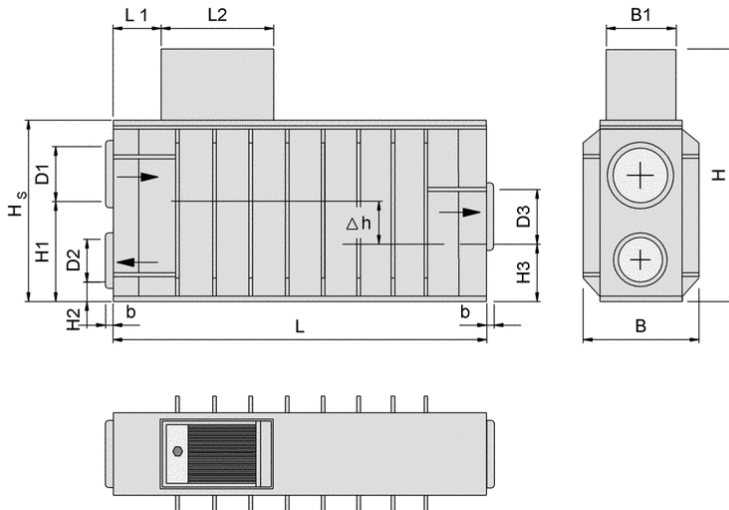


The PURAIN Rainwater filter, also known as the hydraulic jump filter, is the innovation for roof areas ranging from 60m<sup>2</sup> to more than 15,000m<sup>2</sup>.

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.

Length	1495 mm
Width	393 mm
Height	1075 mm
Net weight	78 kg
Mesh size	0.8 mm
B1 see technical drawing	184 mm
L2 see technical drawing	408 mm
L1 see technical drawing	248 mm
Height, intake	426 mm
Height, dirty water connection	235 mm
Height, clear water connection	40 mm
Shoulder height	675 mm
Height offset $\Delta h$	190 mm
Intake connection	DN 200
Clear water outlet	DN 200
Dirty water outlet	DN 200
Color	Black
Material	NBR, PE, Stainless steel
Effective efficiency	98

PURAIN Model	Pipe Diameter (in.)	Max Flow Rate at 1.5% Fall (GPM)	100% Capture Maximum Flow (GPM)	Rated Max. Roof Square Footage	Recommended Connection Pipe Type
DN100	4	90	21	3,000	
DN150	6	268	96	10,000	
DN200	8	576	175	22,000	SDR 35 PVC
DN300	12	1684	240	47,000	SDR 35 PVC
DN400	16	3632	480	102,000	SDR 35 PVC



- B 1 : Width of dome
- D1 : Intake
- D2 : Clearwater outlet
- D3 : Emergency overflow/ wastewater outlet
- H1 : Intake
- H2 : Clearwater outlet
- H3 : Emergency overflow
- $\Delta h$  : Height offset
- b : Sealing collar

SIZE:

SCALE:

DATE:

APPROVED BY:

CHECKED BY:

DRAWN BY:

**HD DN 200**

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA

FIGURE NUMBER	REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
								<b>HD DN 200</b>