



ENGINEERED™
SOLUTIONS
A division of Morris/Lee, Ltd.™

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Job:



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Engineer:

Purain HD DN 250

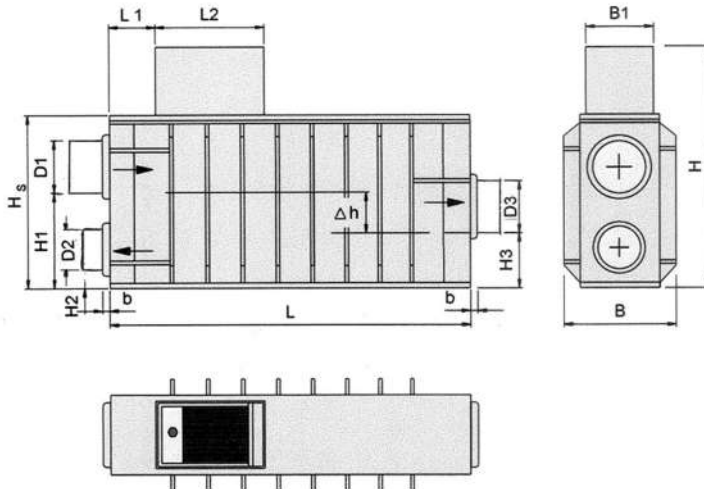


The PURAIN Rainwater filter, also known as the hydraulic jump filter, is the innovation for roof areas ranging from 60m² to more than 15.000m².

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.

Length	1325 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 Δh	190 mm
Intake connection	DN 250
Clear water outlet	DN 200
Dirty water outlet	DN 250
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)
DN100	4	90	21
DN150	6	268	96
DN200	8	576	175
DN250	10		175
DN300	12	1684	240
DN400	16	3632	480



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

SIZE:

SCALE:

DATE:

APPROVED BY:

CHECKED BY:

DRAWN BY:

HD DN 250

DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA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
								HD DN 250