

PURAIN - SELECTION

Sizing instructions

As a general rule, the PURAIN rainwater filter is selected based on the diameter of the rainwater collecting pipe e.g. 100mm = PR100.

If the diameter of the planned collecting pipe is not known, then you can refer to the following table. It gives an overview of the dimensions of these rain water connection pipes, as per DIN 1986, with measured rainfall yield indicator of $r = 300$ l/s ha and a slope of 1.5%. The discharge coefficient indicates by what factor the amount of rain discharged may be reduced, due to the type of roof used.

- Discharge coefficient 1 = theoretical value
- Discharge coefficient 0.8 = inclined roof
- Discharge coefficient 0,5 = extensively grassed roof

Flow rate and connectable roof areas

	Flow rate with 1,5 % slope DIN 1986	Discharge coefficient = 1,0	Discharge coefficient = 0,8	Discharge coefficient = 0,5
DN100	5,7 [l/s]	190 m ²	238 m ²	380 m ²
DN150	16,9 [l/s]	564 m ²	705 m ²	1.128 m ²
DN200	36,3 [l/s]	1.210 m ²	1.513 m ²	2.420 m ²
DN300	106,1 [l/s]	3.537 m ²	4.422 m ²	7.074 m ²
DN400	226,8 [l/s]	7.560 m ²	9.450 m ²	15.120 m ²

PURAIN EASY TO ASSEMBLE, INSTALL AND MAINTAIN

