

Subject of test : **Testing the filtering capacity of a rainwater filter**

Client : **Otto Graf GmbH
Kunststofferzeugnisse
Herr Dirk Mundt
Carl-Zeiss-Straße 2-6
79331 Teningen**

Tested by: **Fa. Axel Zangenberg GmbH & Co. KG
vertreten durch:
C. Pannach**

Subject :
Optimax XXL – connexion 300/12" (USA)

Reference :
AZ-Prüfstand S6/500

Manufacturer: **Otto Graf GmbH, Teningen**

Manufacturer: **Axel Zangenberg GmbH & Co. KG**

Test setup: The water volume is regulated with a valve and a calibrated MFM (magnetic flow meter) before the filter inlet (inflow). The volume of unfiltered water is measured with the help of another calibrated MFM at a filter outlet (overflow). The difference is the volume of filtered water (cleanwater outlet). This is being determined by calculation. The measuring error of the used MFMs is less than 1%.

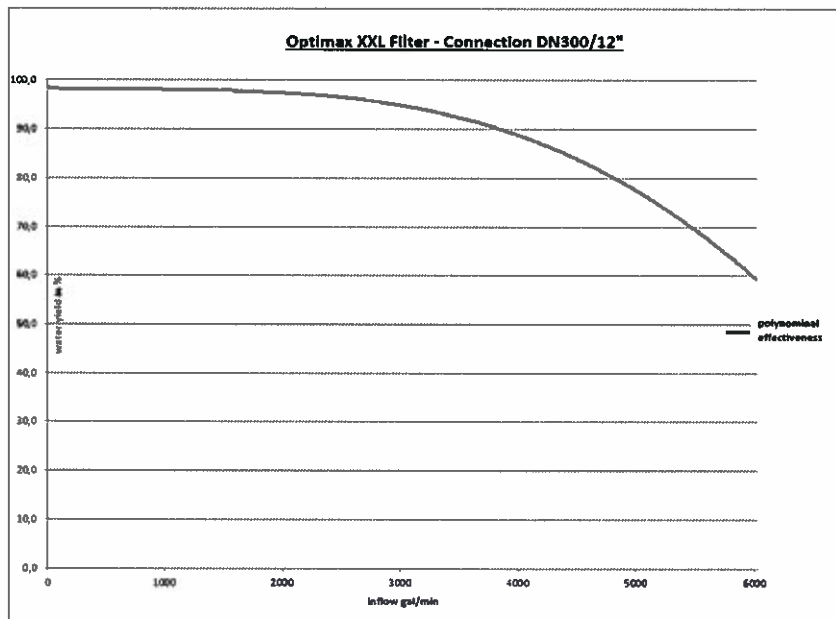
Sensor: **DN 500 E+H Typ Promag 53**

Serialnumber: **81 14A8 19000**

Accuracy : **Measurementerror <1% from reading**

**Result
Process:**

| test date / time | overflow average | cleanwater outle average | inflow average | water yield average |
|------------------------------|---------------------|-----------------------------|-------------------|------------------------|
| <u>Connection DN 300/12"</u> | gal/min | gal/min | gal/min | |
| 28.07.2015 14:36 | 18 | 480 | 492 | 97,6 |
| 28.07.2015 14:38 | 18 | 1548 | 1566 | 98,9 |
| 28.07.2015 14:40 | 18 | 1518 | 1536 | 98,8 |
| 28.07.2015 14:42 | 174 | 2814 | 2988 | 94,2 |
| 28.07.2015 14:44 | 168 | 2718 | 2886 | 94,2 |
| 28.07.2015 14:46 | 780 | 3888 | 4668 | 83,3 |
| 28.07.2015 14:48 | 2478 | 3546 | 6024 | 58,9 |



28.07.2015
C. Pannach

