

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 400/16“ (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	cleanwater outle	inflow	water yield
<u>Connection DN 400/16"</u>	average	average	average	average
	gal/min	gal/min	gal/min	in %
29.07.2015 09:08	18	480	492	97,6
29.07.2015 09:10	18	1518	1536	98,8
29.07.2015 09:12	780	3888	4668	83,3
29.07.2015 09:14	2478	3546	6024	58,9
29.07.2015 09:16	2634	3558	6192	57,5
29.07.2015 09:18	5502	3462	8964	38,6
29.07.2015 09:20	8850	1596	10446	15,3

