



**Test:**

Does Gamma Radiation has effects on the K-factor of the Equflow PVDF Turbine flowmeter.

**Testinformation:**

This is the 3rd test done by Equflow with 3 different batches raw material and 3 different batches mouldingparts.

Flowmeter version 0045 PVDF

Measuring before and after Gamma Rad with 50 kGy

Measuring on 2 flow points @ about 600 and 1200 ml/minute

Equflow Productionnbrs 090045P007/89 and 090045P007/88 with different Raw material and components

Measuring with tap drinkwater, approximately 14 GrC

Before Gamma Radiation, all tubes Flushed with Ethanol before pack up in plastic bags

All Plastic bags sealed and numbered before shipment to Gamma Rad.

Gamma radiation by BGS Service. Zertifikat nbr 9114165

Testperformance by Fred Wooninck

**Data results:**

See attachment 'datasheets 090045P007'

40 units are tested on 2 flowpoints

**Conclusion test 0045 PVDF:**

The max deviation before and after Gamma Radiation is < 1,5%.

Effects of Gamma Radiation with 50 kGy is limited.

