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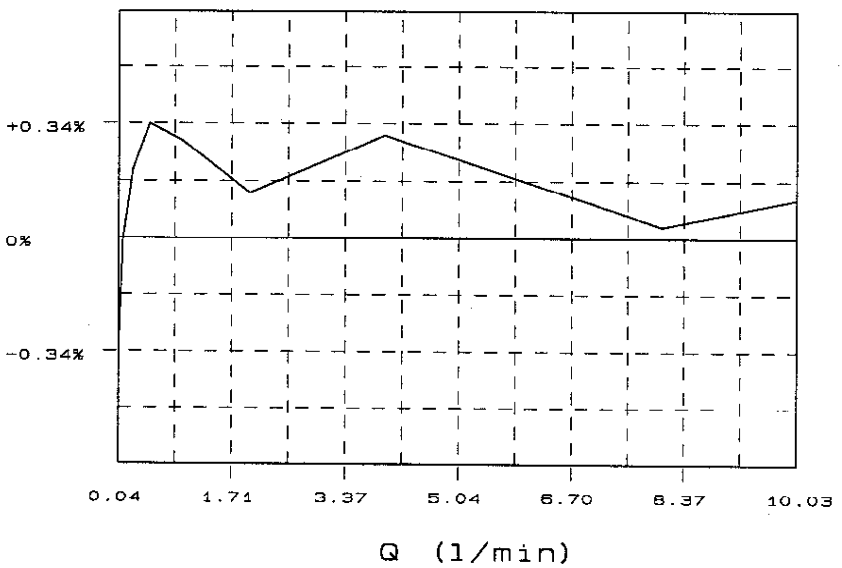
Küppers Elektromechanik GmbH

C A L I B R A T I O N R E C O R D

Customer.....
Order No. 210776
Date..... 27.04.2011
Calibrator..... MD/P2
Flowmeter..... **SRZ 40 ST.H1.N.V**
S/N..... 01198421
Pick Up..... integriert
Meas.range from 0.040 l/min
to.. 10.000 l/min / correspond. fmax = **5467.326 Hz**
Density..... 1.000 *10^3 kg/m^3
Viscosity..... 3000.000 mm^2/s
Max. error..... +/- 0.337 %
Average K-fact. **32803.955 1/l**

Frequency [Hz]	K-factor [1/l]	Flow [l/min]	[l/h]	Error [%]
22.02	32693.390	0.040	2.425	- 0.337
57.88	32803.800	0.106	6.352	- 0.000
137.40	32870.420	0.251	15.048	+ 0.203
273.10	32914.520	0.498	29.870	+ 0.337
541.83	32897.820	0.988	59.292	+ 0.286
1083.94	32847.920	1.980	118.795	+ 0.134
2167.32	32903.310	3.952	237.130	+ 0.303
4404.15	32815.640	8.053	483.152	+ 0.036
5491.25	32841.570	10.032	601.935	+ 0.115

Error-Diagram



We hereby confirm that our calibration rigs are subjected to control of inspection, measuring and test equipment in line with DIN EN ISO 9001. The inspection, which is carried out at regular intervals, consist of comperative measurements, i.e. calibration results of our rigs are compared with calibration references of our DKD Calibration Laboratory (DKD-K-04701). (This Laboratory was approved of by the PTB, Physikalisch Technische Bundesanstalt, according to DIN EN 45001. The PTB is the Federal Institute of Physics and Metrology. The inspection ensures that calibration results have a valid relationship to nationally recognized standards.

This record is machine-made and valid without stamp and signature.

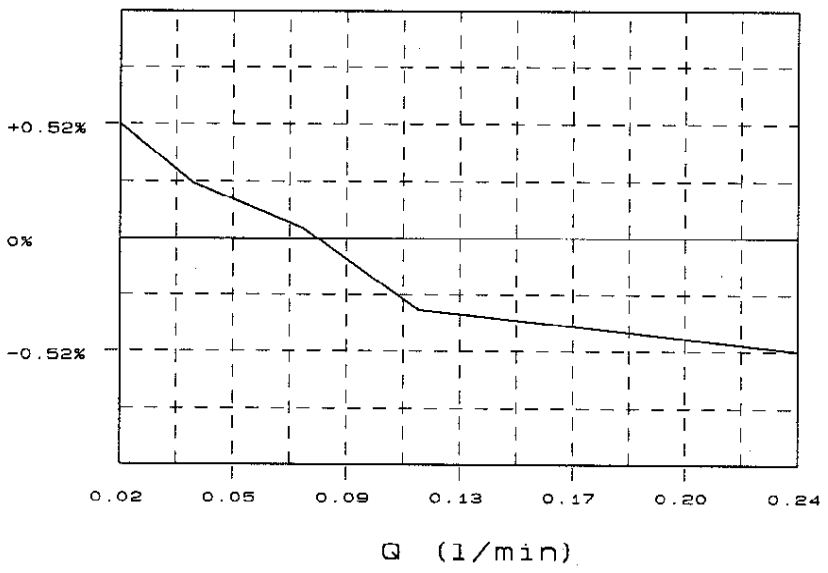
Küppers Elektromechanik GmbH

C A L I B R A T I O N R E C O R D

Customer.....
Order No. 220052
Date..... 25.01.2012
Calibrator..... DG/P3
Flowmeter..... **ZHM 01/1 54.D.T**
S/N..... 01254122
Pick Up..... TD-11.0 01030122
Meas.range from 0.005 l/min
to.. 2.000 l/min / correspond. fmax = **875.881 Hz**
Density..... 1.000 *10^3 kg/m^3
Viscosity..... 15.000 mm^2/s
Max. error..... +/- 0.524 %
Average K-fact. **26276.440 1/l**

Frequency [Hz]	K-factor [1/l]	Flow [l/min]	[l/h]	Error [%]
7.92	26414.170	0.018	1.079	+ 0.524
18.38	26343.870	0.042	2.512	+ 0.257
34.09	26289.240	0.078	4.668	+ 0.049
50.46	26188.710	0.116	6.936	- 0.334
104.54	26138.710	0.240	14.398	- 0.524

Error-Diagram



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