

Gas type:	Helium
Inlet Press.:	115,0 kPa
Oven Temp.:	75,0 °C
1. Length:	25,00 m
1. ID:	0,250 mm
	0,06
2. Length:	1,00 m
2. ID:	0,250 mm
	0,06

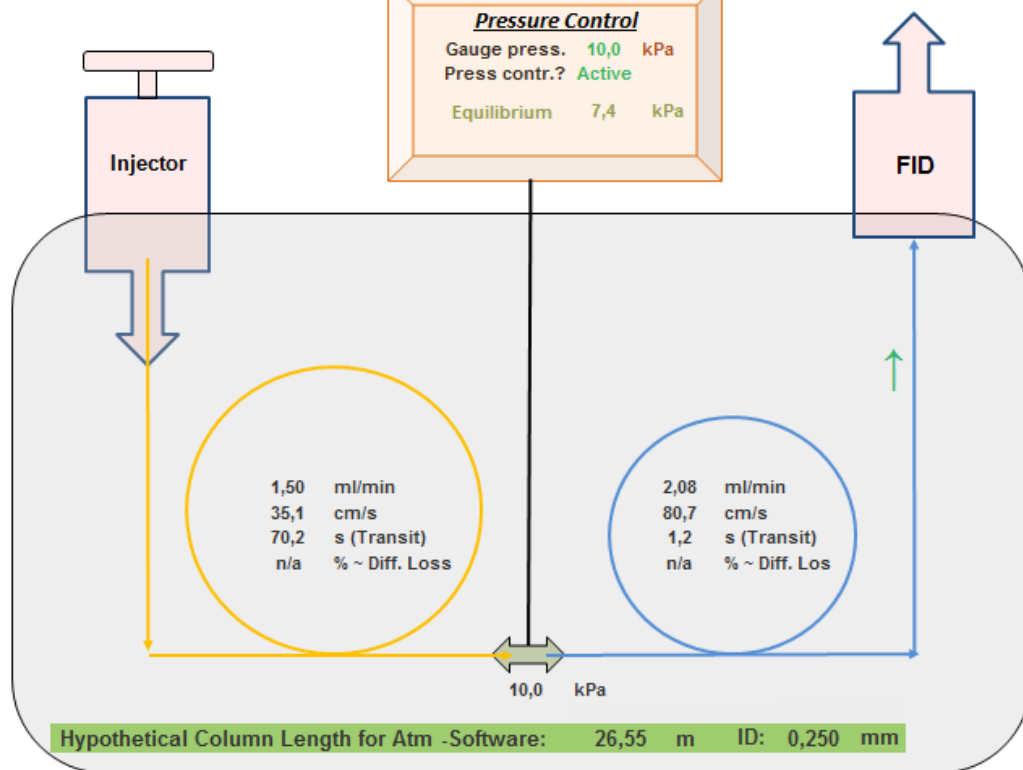


Detector Name:	FID
Penetration depth:	7,0 cm
Det./Interface Temp.:	350,0 °C
Internal press.:	101,325 kPa
Ambient temp.:	25,0 °C
Atmospheric press.:	101,325 kPa
Software Type:	Atm

<i>Flow-Made-Assistant (1. Col.)</i>	
Lin-Velocity	35,00 cm/s
Inlet Pressure	114,8 kPa

Press. Adjust. 10,0 kPa

Pressure Control	
Gauge press.	10,0 kPa
Press contr.?	Active
Equilibrium	7,4 kPa



Prediction for constant **Lin-Velocity Mode** (1st column)

Start Temp.: 75,0 °C

Target Temp.: 450,0 °C

Oven ramp	Forecarst for Injector	Result							
		1. Column						Column to the	FID
Temp.	Pressure	Hyp.	Flow	Vel.	Diff.	Midpoint	Flow	Vel.	
1	93,8	118,9	26,47	1,44	35,1	---	10,0	1,94	79,0
2	112,5	122,7	26,41	1,39	35,1	---	10,0	1,81	77,3
3	131,3	126,5	26,35	1,35	35,1	---	10,0	1,69	75,6
4	150,0	130,3	26,29	1,30	35,1	---	10,0	1,58	74,0
5	168,8	134,0	26,24	1,27	35,1	---	10,0	1,49	72,5
6	187,5	137,6	26,19	1,23	35,1	---	10,0	1,40	71,0
7	206,3	141,3	26,14	1,20	35,1	---	10,0	1,32	69,5
8	225,0	144,9	26,10	1,17	35,1	---	10,0	1,25	68,1
9	243,8	148,4	26,06	1,14	35,1	---	10,0	1,18	66,8
10	262,5	151,9	26,03	1,11	35,1	---	10,0	1,12	65,5
11	281,3	155,6	26,01	1,09	35,1	---	10,2	1,09	65,6
12	300,0	159,3	26,01	1,06	35,1	---	10,5	1,06	66,2
13	318,8	163,0	26,01	1,04	35,1	---	10,8	1,04	66,8
14	337,5	166,7	26,00	1,02	35,1	---	11,1	1,02	67,4
15	356,3	170,3	26,00	1,00	35,1	---	11,4	1,00	68,0
16	375,0	173,9	26,00	0,99	35,1	---	11,7	0,99	68,6
17	393,8	177,5	25,99	0,97	35,1	---	12,0	0,97	69,1
18	412,5	181,1	25,99	0,95	35,1	---	12,3	0,95	69,7
19	431,3	184,6	25,99	0,94	35,1	---	12,6	0,94	70,2
20	450,0	188,1	25,98	0,92	35,1	---	12,9	0,92	70,8

Average --- --- 26,11 1,13 35,1 --- 10,8 1,24 70,1

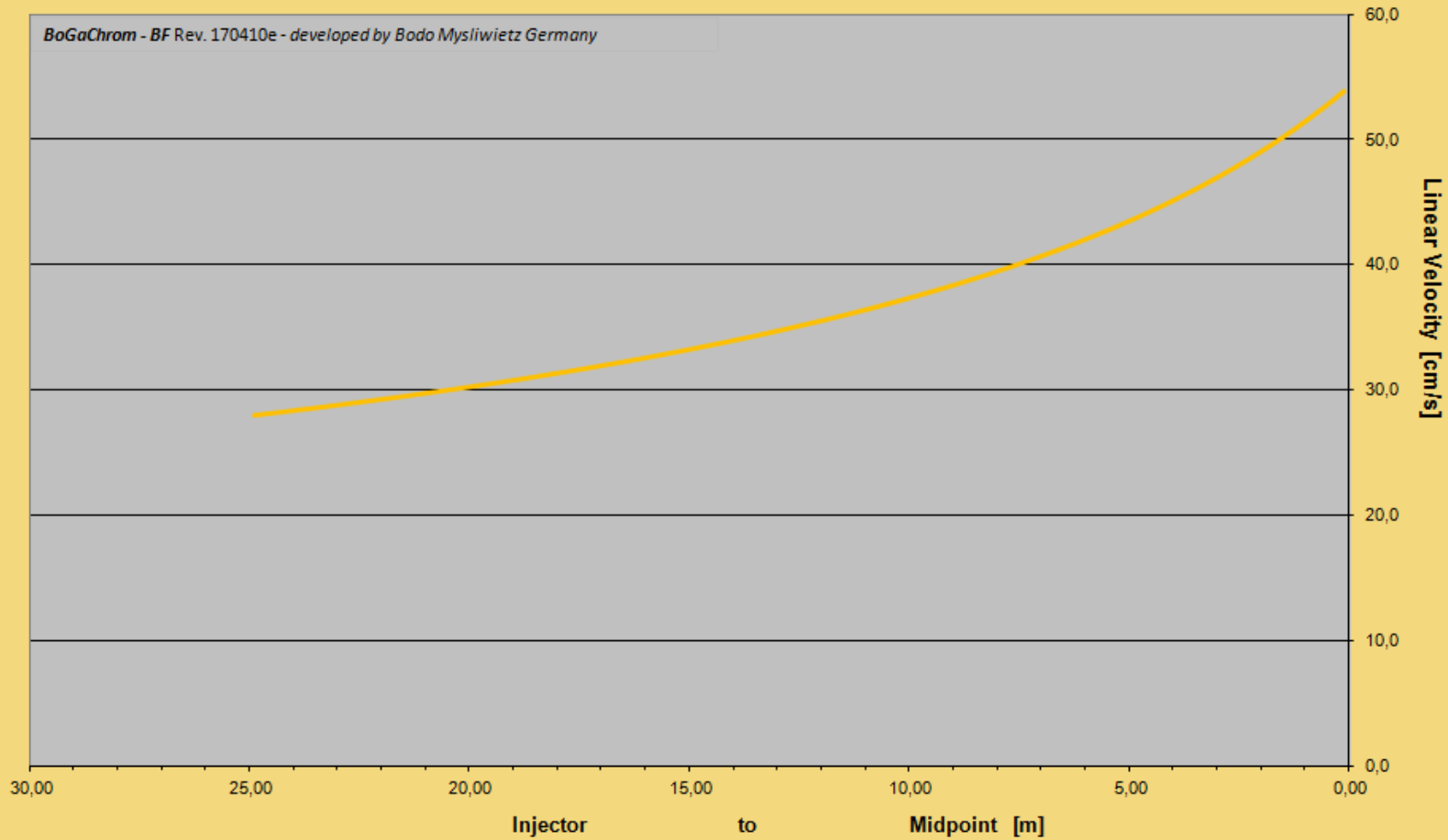
Pressure ramp kPa/°C

0,21
0,20
0,20
0,20
0,20
0,20
0,19
0,19
0,19
0,19
0,20
0,20
0,20
0,20
0,19
0,19
0,19
0,19
0,19
0,19

0,195 kPa/ °C

Gradient of Linear Velocity along capillary Column (for 1st Column)

BoGaChrom - BF Rev. 170410e - developed by Bodo Mysliwietz Germany

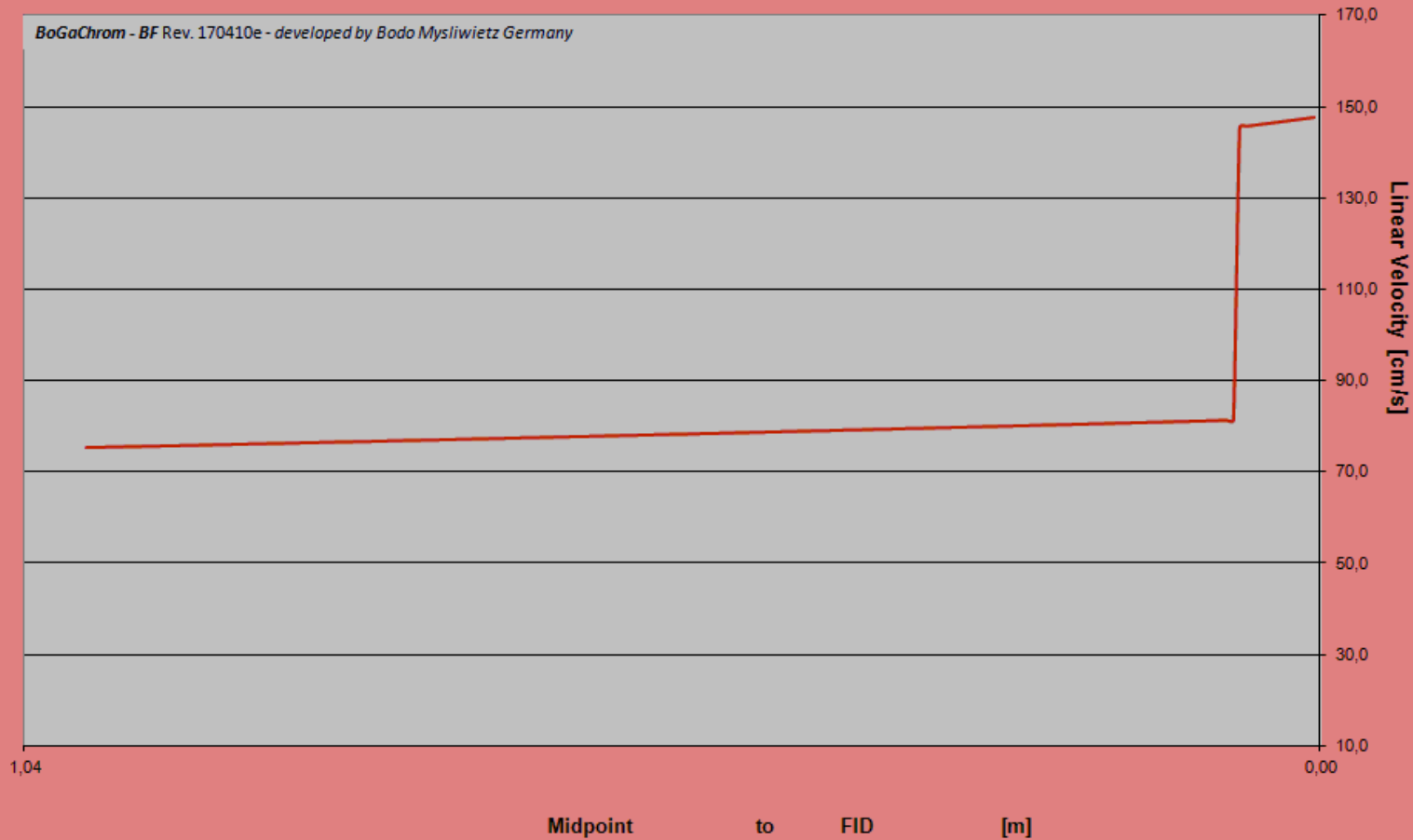


Lin. velocity: 35,1 cm/s
Average vel.: 35,6 cm/s
RSD: 19 %
Transit time: 70,2 s

Act_at_0,5%: 27,9 cm/s
Act_at_99,5%: 53,8 cm/s
Flow direction: forward

Gradient of Linear Velocity along capillary Column (for 2nd Column)

BoGaChrom - BF Rev. 170410e - developed by Bodo Mysliwietz Germany



Lin. velocity: 78,3 cm/s
Average vel.: 80,8 cm/s
RSD: 21 %
Transit time: 1,2 s

Act_at_0,5%: 75,3 cm/s
Act_at_99,5%: 150,0 cm/s

Mysliwietz:
calculated at 99,5% of
column length.