



Ambient temp.: 25,0 °C
 Atmospheric press.: 101,325 kPa
 Software Type: MS

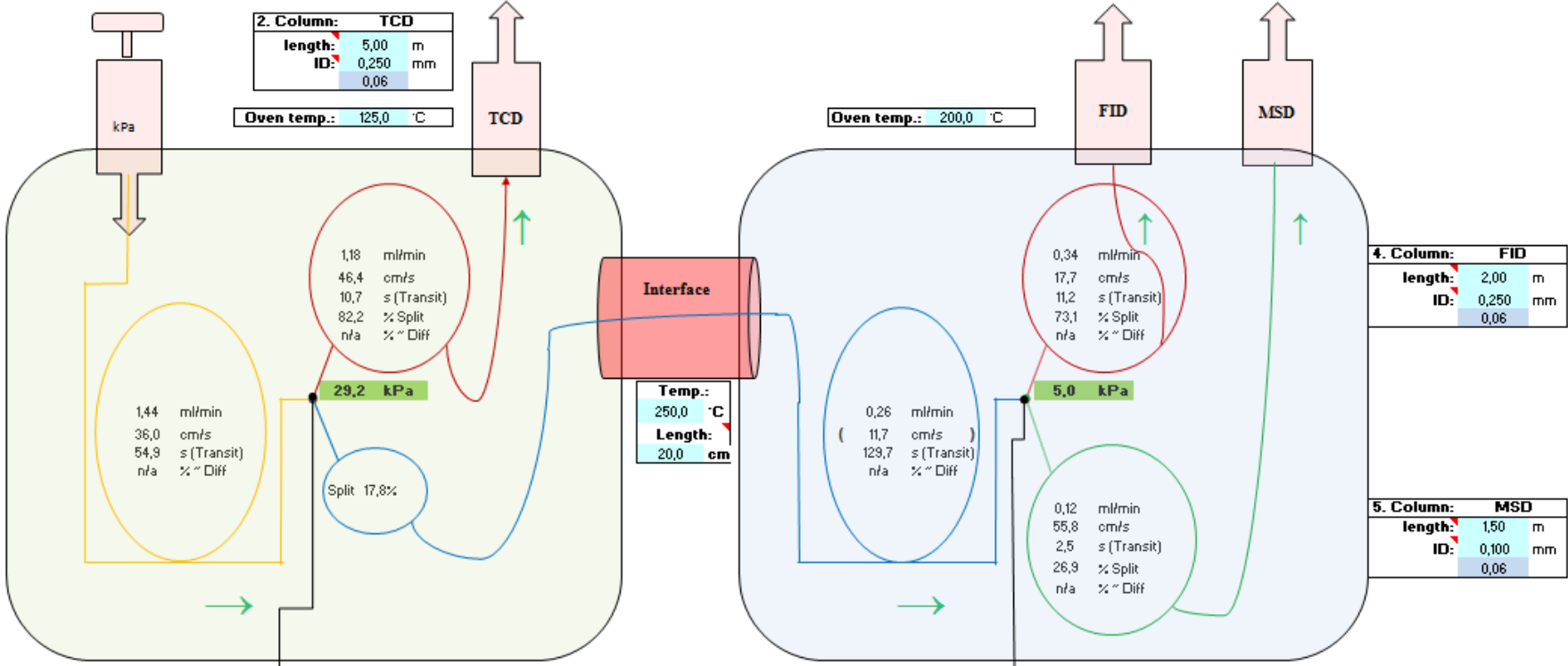
Gas type: Helium
 Inlet press.: 122,0 kPa
 1. length: 20,00 m
 ID: 0,250 mm
 0,06

Name: TCD
 Depth: 7,0 cm
 Temp.: 200,0 °C
 Internal press.: 101,325 kPa

| FID | Name | MSD |
|-------------------------|------------|-------|
| Interface | | |
| 7,0 | Depth - cm | 18,0 |
| 300,0 | Temp. °C | 250,0 |
| Internal press.: | | |
| 101,325 | <- kPa -> | 0,000 |

2. Column: TCD
 length: 5,00 m
 ID: 0,250 mm
 0,06
 Oven temp.: 125,0 °C

Oven temp.: 200,0 °C



Pressure Control
 Press contr.? Off
 Equilibrium: 29,2 kPa

3. Column (Interface Column)
 Length left oven: 1,00 m
 Total length: 15,00 m
 ID: 0,250 mm
 0,06

Pressure Control
 Press contr.? Active
 Equilibrium: 2,4 kPa

| Total Split | |
|-------------|-------|
| TCD | 82,2% |
| FID | 13,0% |
| MSD | 4,8% |

Press. Adjust: 0,0 kPa

Press. Adjust: 5,0 kPa

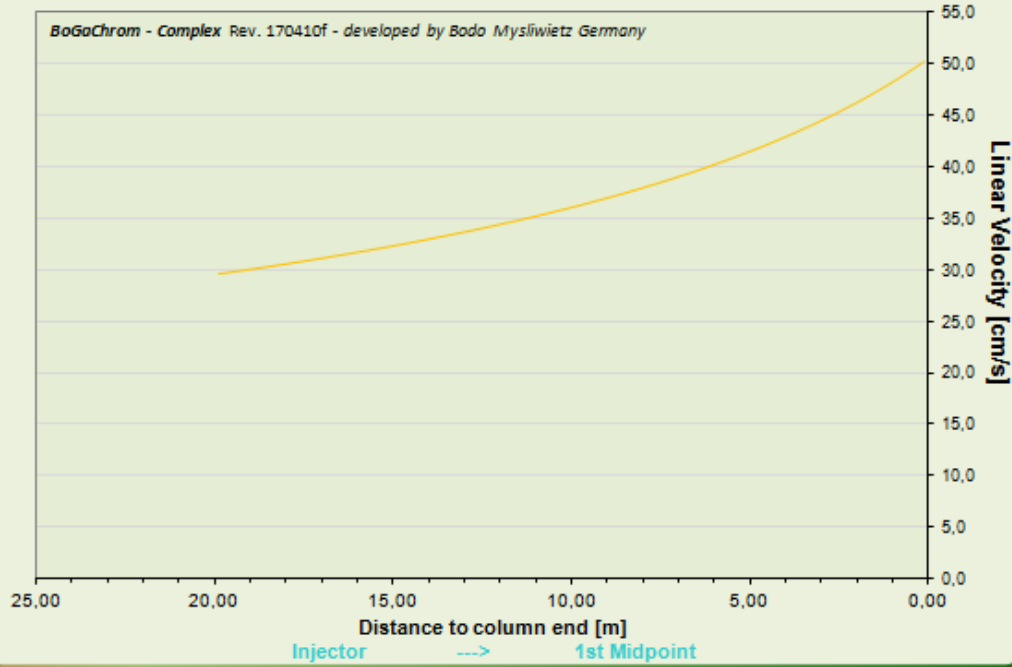
Hypothetical column Dimensions for MS -Software: 30,38 m ID: 0,250 mm

First GC

Gradient of Linear Velocity along capillary Column

(for 1st Column; 1st Dimension)

BoGaChrom - Complex Rev. 170410f - developed by Bodo Mysliwietz Germany

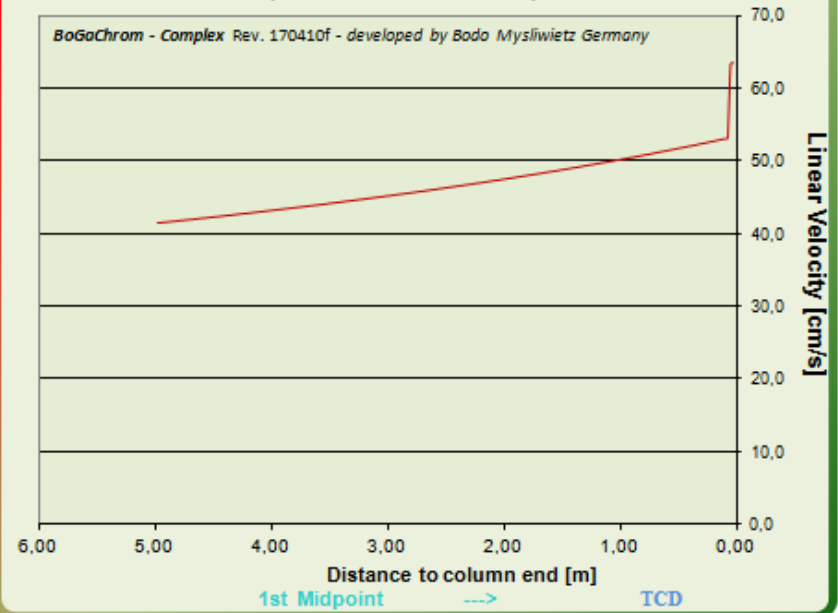


| | | |
|--------------------------|------------------------------------|-------------------------|
| Lin. velocity: 36,0 cm/s | Act _{Lin,1st} : 29,6 cm/s | Flow direction: forward |
| Average vel.: 36,4 cm/s | Act _{Lin,1st} : 50,3 cm/s | |
| RSD: 15,4 % | Transit time: 54,9 s | |

Gradient of Linear Velocity along capillary Column

(for 2nd Column; 1st Dimension)

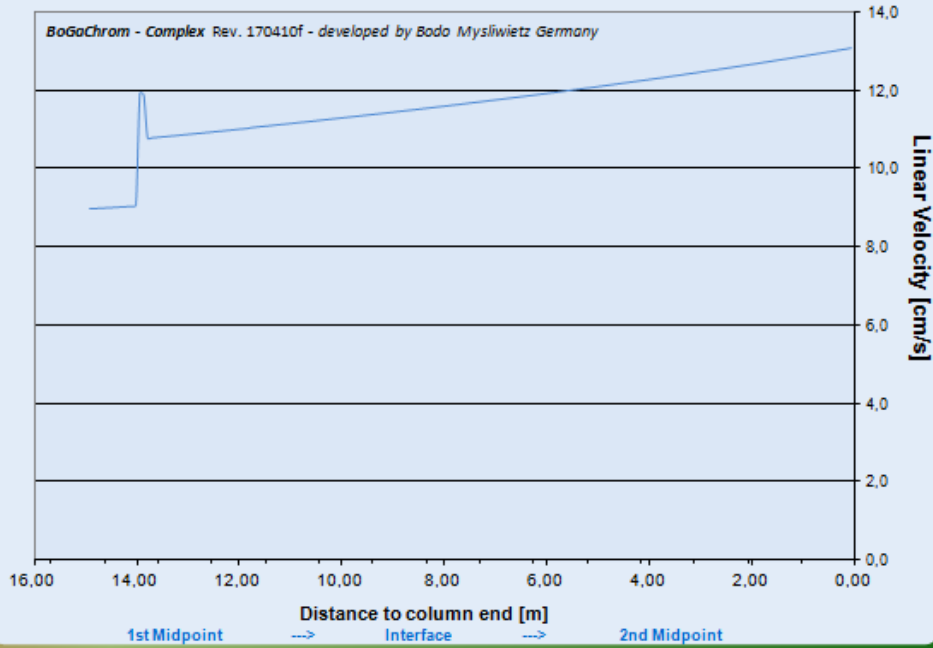
BoGaChrom - Complex Rev. 170410f - developed by Bodo Mysliwietz Germany



| | |
|--------------------------|------------------------------------|
| Lin. velocity: 15,6 cm/s | Act _{Lin,1st} : 41,6 cm/s |
| Average vel.: 46,6 cm/s | Act _{Lin,1st} : 63,4 cm/s |
| RSD: 7,9 % | Transit time: 10,7 s |

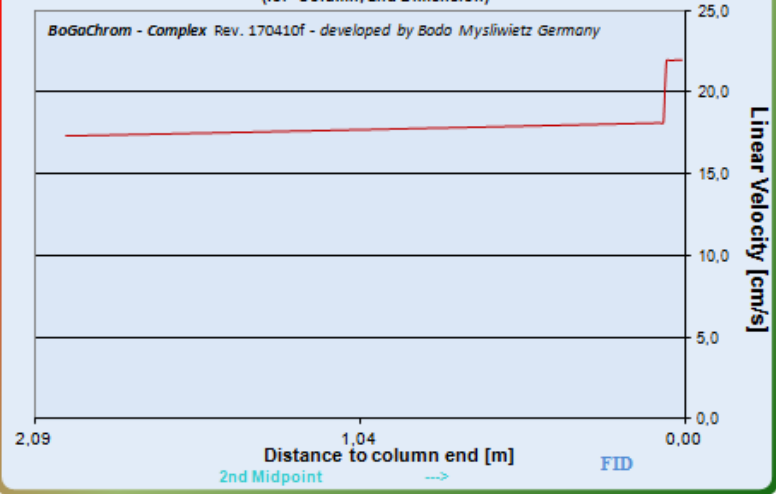
Second GC

Gradient of Linear Velocity along capillary Column (for 1st Column; 2nd Dimension)



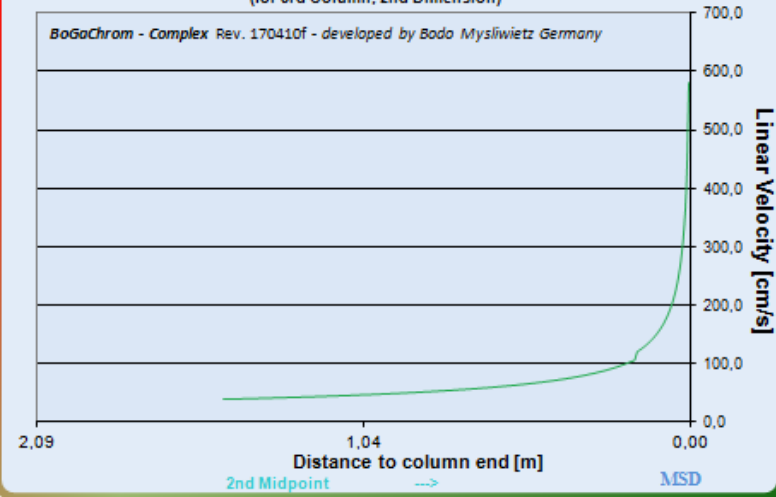
| | | | | | | | |
|----------------|------|------|---------------------------|-------|------|-----------------|---------|
| Lin. velocity: | 11,7 | cm/s | Act _{1,1,1,50} : | 9,0 | cm/s | Flow direction: | forward |
| Average vel.: | 11,6 | cm/s | Act _{1,1,1,50} : | 13,1 | cm/s | | |
| RSD: | 8,1 | % | Transit time: | 129,7 | s | | |

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



| | | | | | |
|----------------|------|------|---------------------------|------|------|
| Lin. velocity: | 17,7 | cm/s | Act _{1,1,1,50} : | 17,3 | cm/s |
| Average vel.: | 17,8 | cm/s | Act _{1,1,1,50} : | 22,0 | cm/s |
| RSD: | 4,3 | % | Transit time: | 11,2 | s |

Gradient of Linear Velocity along capillary Column (for 3rd Column; 2nd Dimension)



| | | | | | |
|----------------|------|------|---------------------------|-------|------|
| Lin. velocity: | 55,8 | cm/s | Act _{1,1,1,50} : | 40,0 | cm/s |
| Average vel.: | 59,2 | cm/s | Act _{1,1,1,50} : | 580,0 | cm/s |
| RSD: | 82,4 | % | Transit time: | 2,5 | s |