MZ ANALYSENTECHNIK

Orbit

State-of-the-Art for Routine Analytics

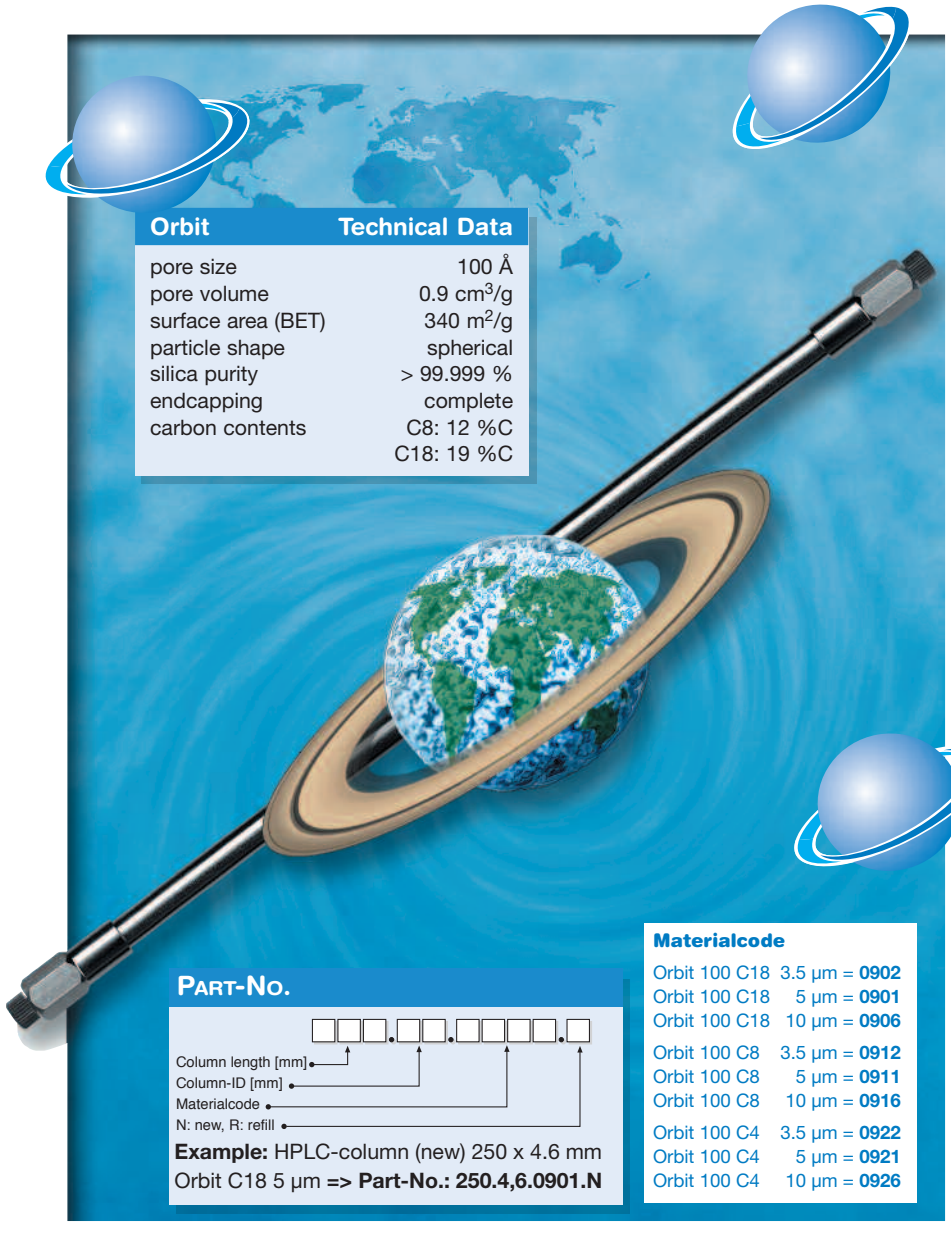
Our completely new-developed product-line Orbit is based on extremely pure and ultra-stable porous silica with 100 Å mean pore size. The State-of-the-Art base silica is especially optimized for the requirements of today's routine analytics. Orbit is as well robust and shows an excellent chromatographic resolution plus it offers a high cost-efficiency - which may be further increased employing our Refill-service at very reasonable prices.

Customers from routine analytics are thus now enabled to use the latest stationary phase technology without loss in suitability for daily use or a trade-off in chromatographic resolution. Orbit features excellent chromatographic separations with high efficiencies and symmetrical peaks - while an excellent reproducibility from batch to batch and column to column is given.

As all HPLC-columns from MZ-Analysentechnik, Orbit HPLC-columns are manufactured by a fully ISO9001-certified process and ship with a quality certificate including the original test chromatogram.

Orbit can be packed in the full range of column dimensions (also available preparative) and is now shipping with 3.5, 5 or 10 µm particle size with the following chemistries:

Orbit 100 C18: 3.5, 5 & 10 µm
Orbit 100 C8: 3.5, 5 & 10 µm
Orbit 100 C4: 3.5, 5 & 10 µm



Orbit	Technical Data
pore size	100 Å
pore volume	0.9 cm^3/g
surface area (BET)	340 m^2/g
particle shape	spherical
silica purity	> 99.999 %
endcapping	complete
carbon contents	C8: 12 %C C18: 19 %C

Materialcode

Orbit 100 C18	3.5 µm =	**0902**
Orbit 100 C18	5 µm =	**0901**
Orbit 100 C18	10 µm =	**0906**
Orbit 100 C8	3.5 µm =	**0912**
Orbit 100 C8	5 µm =	**0911**
Orbit 100 C8	10 µm =	**0916**
Orbit 100 C4	3.5 µm =	**0922**
Orbit 100 C4	5 µm =	**0921**
Orbit 100 C4	10 µm =	**0926**

PART-NO.

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Column length [mm]
Column-ID [mm]
Materialcode
N: new, R: refill

Example: HPLC-column (new) 250 x 4.6 mm
Orbit C18 5 µm => **Part-No.: 250.4,6.0901.N**

length x ID [mm]	3 µm New	3 µm Refill	5 & 10 µm New	5 & 10 µm Refill
50 x 2.1	154.--	113.--	154.--	113.--
100 x 2.1	192.--	151.--	192.--	151.--
125 x 2.1	213.--	172.--	213.--	172.--
150 x 2.1	225.--	185.--	225.--	185.--
200 x 2.1	238.--	200.--	238.--	200.--
250 x 2.1	248.--	205.--	248.--	205.--
50 x 3.0	149.--	121.--	149.--	121.--
100 x 3.0	179.--	149.--	169.--	139.--
125 x 3.0	185.--	151.--	174.--	141.--
150 x 3.0	200.--	167.--	185.--	152.--
200 x 3.0	210.--	175.--	190.--	155.--
250 x 3.0	215.--	177.--	197.--	159.--
20 x 4.0	130.--	108.--	109.--	87.--
33 x 4.0	143.--	119.--	119.--	95.--
40 x 4.0	154.--	132.--	128.--	106.--
50 x 4.0	162.--	136.--	134.--	108.--
60 x 4.0	169.--	142.--	141.--	114.--
75 x 4.0	176.--	148.--	147.--	119.--
100 x 4.0	183.--	154.--	152.--	123.--
125 x 4.0	189.--	159.--	157.--	127.--
150 x 4.0	195.--	163.--	163.--	131.--
200 x 4.0	207.--	175.--	172.--	140.--
250 x 4.0	217.--	185.--	181.--	149.--
300 x 4.0	246.--	203.--	203.--	160.--
20 x 4.6	137.--	115.--	114.--	92.--
33 x 4.6	150.--	126.--	125.--	101.--
40 x 4.6	162.--	140.--	135.--	113.--
50 x 4.6	170.--	144.--	141.--	115.--
60 x 4.6	178.--	151.--	148.--	121.--
75 x 4.6	185.--	157.--	154.--	126.--
100 x 4.6	192.--	163.--	160.--	131.--
125 x 4.6	198.--	168.--	165.--	135.--
150 x 4.6	205.--	173.--	171.--	139.--
200 x 4.6	217.--	185.--	181.--	149.--
250 x 4.6	227.--	195.--	189.--	157.--
300 x 4.6	265.--	222.--	219.--	176.--

all prices in EUR excluding VAT

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