

CURVUS

Stent Delivery System
Cobalt-Chromium with Hydrophilic Coating

TECHNICAL SPECIFICATIONS

Stent

Description	CoCr Stent Delivery System
Recommended Guidewire	0.014" (0.36 mm)
Recommended Guiding Catheter	5 F
PTCA Entry Profile	min 0.45 mm (0.017")
Crossover Profile	0.85 mm (0.035")
Nominal Pressure	9 bar
Rated Burst Pressure (RBP)	16-18 bar
Strut Thickness	<ul style="list-style-type: none"> 65 Micron (0.0026") small stent 95 Micron (0.0037") large stent
Stent Recoil Values	<ul style="list-style-type: none"> Mean recoil of CS-large (QM580): < 3% Mean recoil of CS-small (QM144): < 1.5% Mean Foreshortening of CS-large (QM580): < 5% Mean Foreshortening of CS-small (QM144): < 4%
Surface Vessel Ratio	<ul style="list-style-type: none"> Mean Surface Vessel Ratio (SVR) for CS small stent at a vessel diameter of 2.75 mm over all stent lengths: < 15% Mean Surface Vessel Ratio (SVR) for CS large stent at a vessel diameter of 4.0 mm over all stent lengths: < 13%

ORDER INFORMATION

Small

Diameter (mm)	Length (mm)							
	8	12	16	19	24	28	34	38
2.00	CS2008H	CS2012H	CS2016H	CS2019H	CS2024H	CS2028H	CS2034H	CS2038H
2.25	CS2208H	CS2212H	CS2216H	CS2219H	CS2224H	CS2228H	CS2234H	CS2238H
2.50	CS2508H	CS2512H	CS2516H	CS2519H	CS2524H	CS2528H	CS2534H	CS2538H
2.75	CS2708H	CS2712H	CS2716H	CS2719H	CS2724H	CS2728H	CS2734H	CS2738H

Large

Diameter (mm)	Length (mm)						
	10	14	18	24	28	34	38
3.00	CS3010H	CS3014H	CS3018H	CS3024H	CS3028H	CS3034H	CS3038H
3.25	CS3210H	CS3214H	CS3218H	CS3224H	CS3228H	CS3234H	CS3238H
3.50	CS3510H	CS3514H	CS3518H	CS3524H	CS3528H	CS3534H	CS3538H
4.00	CS4010H	CS4014H	CS4018H	CS4024H	CS4028H	CS4034H	CS4038H

Clinical Trials

1. Publication in press.
2. PIPA Spanish Registry: Principal Investigator Dr. Eulogio Garcia, Hospital Gregorio Maranon, Madrid.
3. Gyöngyösi M., Zenker G., Wallner H., Heigert M., Siostrzonek P and Glogar D.: Results of the ARTHOS Pico Austrian Multicenter Registry. Cardiovascular News 2004; Issue 9; 19-20.
4. Lefebvre JM, Fourrier JL, Leroy F: Preliminary results of PIVER (Pico Small Vessel Registry) Cardiology International 2004; Vol. 5 NO.2: 42-44.

CE 0124

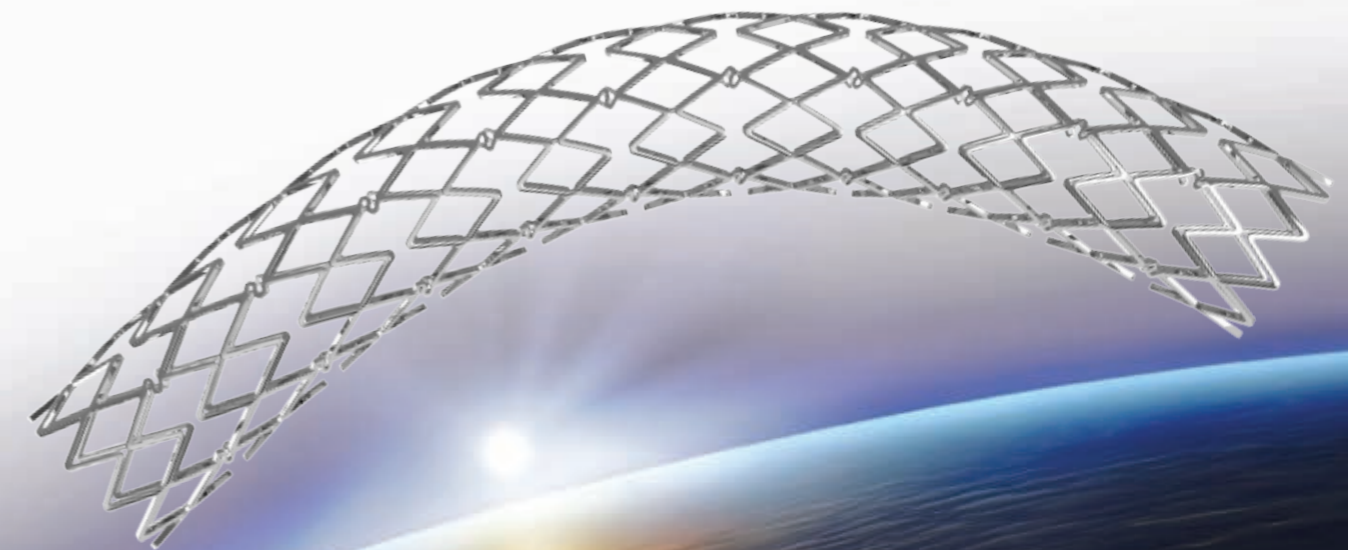


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Regulatory Status
CE Mark Approved



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The **CURVUS** Stent System is a multicellular **Cobalt-Chromium** stent that offers **strength, stability,** and **flexibility** for treating the most difficult lesions.

HIGHLIGHTS

- > **Co-Cr stent** provides strength and stability, while maintaining a high level of flexibility and vessel conformity
- > **Minimal strut thickness** (65 µm) for optimal performance and small vessel stenting
- > **Excellent outward radial force** in a low profile stent

COBALT CHROMIUM

- > **Co-Cr technology** approximately 70 – 80% stronger than stainless steel
- > **Radiopacity** in an ultra thin stent provides excellent visibility
- > **Open cell stent design** and ultra thin struts provide excellent strength while maintaining flexibility

COMPLIANCE TABLE

Pressure (bar)	Balloon Diameter (mm)							
	2	2.25	2.5	2.75	3	3.25	3.5	4
4	1.80	2.10	2.30	2.55	2.75	3.00	3.15	3.70
5	1.84	2.13	2.34	2.59	2.80	3.05	3.22	3.76
6	1.88	2.16	2.38	2.63	2.85	3.10	3.29	3.82
7	1.92	2.19	2.42	2.67	2.90	3.15	3.36	3.88
8	1.96	2.22	2.46	2.71	2.95	3.20	3.43	3.94
9	2.00	2.25	2.50	2.75	3.00	3.25	3.50	4.00
10	2.04	2.28	2.54	2.79	3.05	3.30	3.57	4.06
11	2.08	2.31	2.58	2.83	3.10	3.35	3.64	4.12
12	2.12	2.34	2.62	2.87	3.15	3.40	3.71	4.18
13	2.16	2.37	2.66	2.91	3.20	3.45	3.78	4.24
14	2.20	2.40	2.70	2.95	3.25	3.50	3.85	4.30
15	2.24	2.43	2.74	2.99	3.30	3.55	3.92	4.36
16	2.28	2.46	2.78	3.03	3.35	3.60	3.99	4.42
17	2.32	2.49	2.82	3.07	3.40	3.65	4.06	-
18	2.36	2.52	2.86	3.11	3.45	3.70	4.13	-
Nominal pressure	9	9	9	9	9	9	9	9
RBP	18	18	18	18	18	18	18	16

DELIVERY SYSTEM

- > **Highly flexible** delivery catheter to facilitate navigation of tortuous anatomy
- > **Good pushability** for crossing difficult lesions
- > **Low profile** to access difficult lesions



The CoCr Stent is indicated for patients with coronary heart disease. It is inserted in coronary vessels with a diameter of 2.0 to 4.0 mm. The CoCr Stent is used for the treatment of de-novo and restenotic lesions in coronary arteries and vein-bypass-grafts.