

p48 MW | p64 MW HPC Flow Modulation Device

The **HPC** coating mimics the glycocalyx, thus the platelets do not recognize the surface as a foreign body. Systemic blood coagulation is not disturbed.

Glycocalyx

Natural lining of the endothelium indicating an intact inner vessel wa

Platelets

eian bodies. Thus. thev unch the clotting cascade.



See the HPC Coating Technology in action



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Significantly reduced platelet adhesion. Increased patient safety.

KIF-0067B

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Biggin HPC Hydrophilic Polymer Coating

Products available with HPC



pCONUS 2 HPC Bifurcation Aneurysm Implant

REF		Shaft diameter [mm]	Shaft length [mm]	Crown diameter [mm]	Vessel diameter [mm]			
	PCON2-HPC-4-15-5	4	15	5	2.5-3.7			
	PCON2-HPC-4-15-6	4	15	6	2.5-3.7			
	PCON2-HPC-4-15-7	4	15	7	2.5-3.7			
	PCON2-HPC-4-15-8	4	15	8	2.5-3.7			
	PCON2-HPC-4-15-10	4	15	10	2.5-3.7			
	pCON2-HPC-4-15-12	4	15	12	2.5-3.7			
	PCON2-HPC-4-15-15	4	15	15	2.5-3.7			
pCONUS 1 HPC								
	PCON-HPC-3-20-4	3	20	4	2.2-2.7			
	PCON-HPC-4-20-5	4	20	5	2.5-3.7			



p48 MW HPC Flow Modulation Device

REF	Max. vessel diameter [mm]	Implant length in max. vessel [mm]*	Min. vessel diameter [mm]	Implant length in min. vessel [mm]*
P48-MW-HPC-200-9	2	9	1.75	10
P48-MW-HPC-200-12	2	12	1.75	13
P48-MW-HPC-200-15	2	15	1.75	16
P48-MW-HPC-300-9	3	9	2	13
P48-MW-HPC-300-12	3	12	2	16
P48-MW-HPC-300-15	3	15	2	21
P48-MW-HPC-300-18	3	18	2	25

*Length is defined as: length of implant measured in straight silicone vessel without aneurysm neck.



p64 MW HPC Flow Modulation Device

REF	Max. vessel diameter [mm]	Implant length in max. vessel [mm]*	Min. vessel diameter [mm]	Implant length in min. vessel [mm]*	REF	Max. vessel diameter [mm]	Implant length in max. vessel [mm]*	Min. vessel diameter [mm]	Implant length in min. vessel [mm]*
P64-MW-HPC-300-9	3	9	2.5	11	P64-MW-HPC-400-18	4	18	3.5	26
P64-MW-HPC-300-12	3	12	2.5	15	P64-MW-HPC-400-21	4	21	3.5	30
P64-MW-HPC-300-15	3	15	2.5	19	P64-MW-HPC-400-24	4	24	3.5	34
P64-MW-HPC-300-18	3	18	2.5	23	P64-MW-HPC-450-15	4.5	15	4	23
P64-MW-HPC-350-9	3.5	9	3	13	P64-MW-HPC-450-18	4.5	18	4	27
P64-MW-HPC-350-12	3.5	12	3	17	P64-MW-HPC-450-21	4.5	21	4	32
P64-MW-HPC-350-15	3.5	15	3	21	P64-MW-HPC-450-24	4.5	24	4	36
P64-MW-HPC-350-18	3.5	18	3	25	P64-MW-HPC-450-27	4.5	27	4	40
P64-MW-HPC-350-21	3.5	21	3	29	P64-MW-HPC-500-18	5	18	4.5	24
P64-MW-HPC-400-12	4	12	3.5	17	P64-MW-HPC-500-24	5	24	4.5	32
P64-MW-HPC-400-15	4	15	3.5	21	P64-MW-HPC-500-30	5	30	4.5	41

The **p64 MW (HPC)** and **p48 MW (HPC)** Flow Modulation Devices as well as the **pCONUS (HPC)** Bifurcation Aneurysm Implants have received the CE Mark (CE 0297). They are not approved for sale nor are they available for sale or use in the United States.

Effectiveness of HPC confirmed by published data

Significantly reduced platelet adhesion can be observed after human blood exposure.

HPC covalently binds to the surface of the stent. The layer is mechanically stable and firmly adherent.

Lenz-Habijan, T., Bhogal, P., Peters, M. et al. Hydrophilic Stent Coating Inhibits Platelet Adhesion on Stent Surfaces: Initial Results In Vitro. Cardiovasc Intervent Radiol 41, 1779–1785 (2018). https://doi.org/10.1007/s00270-018-2036-7





In vivo rabbit models show similar tissue and healing response after 30 days





Lenz-Habijan, T., Bhogal, P., Bannewitz, C. et al.: Prospective study to assess the tissue response to HPC-coated p48 flow diverter stents compared to uncoated devices in the rabbit carotid artery model. European Radiology Experimental (2019) 3:47. https://doi.org/10.1186/s41747-019-0128-z

Recent clinical data suggests the effectiveness of HPC in acute settings

"...] we conclude that these HPC coated devices are a potentially **effective solution** to treat selected cases of **ruptured aneurysms**."

Guzzardi, G., Galbiati, A., Stanca, C. et al.: Flow diverter stents with hydrophilic polymer coating for the treatment of acutely ruptured aneurysms using single antiplatelet therapy: Preliminary experience. Interventional Neuroradiology 1-7 (2020). https://doi.org/10.1177/1591019920950878