

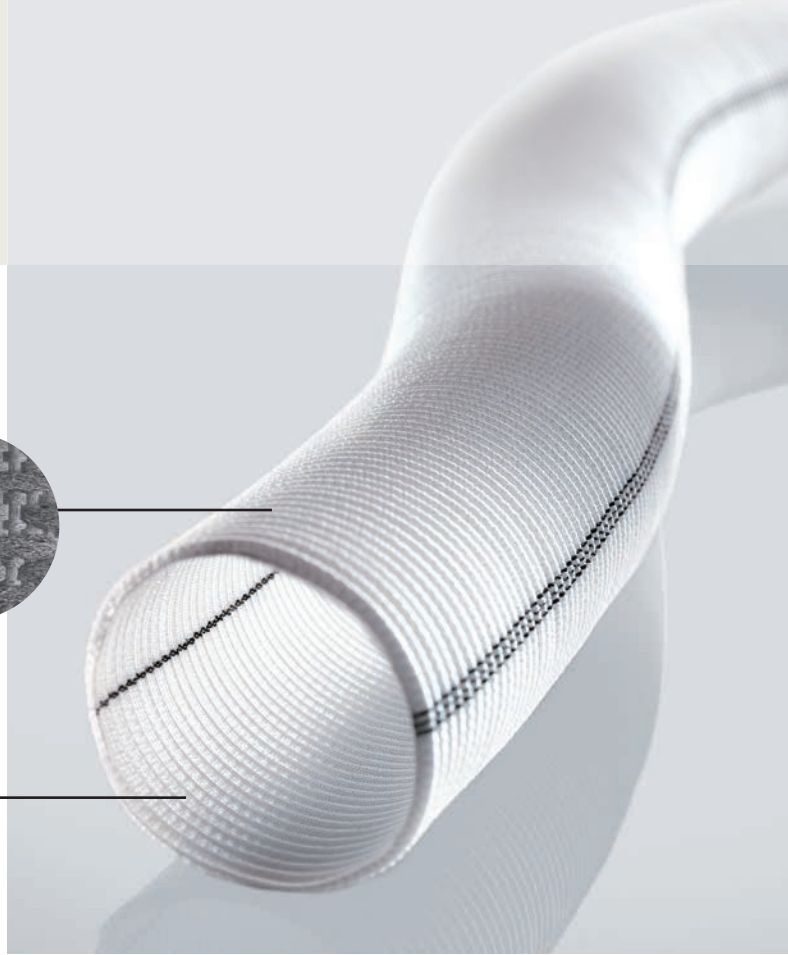
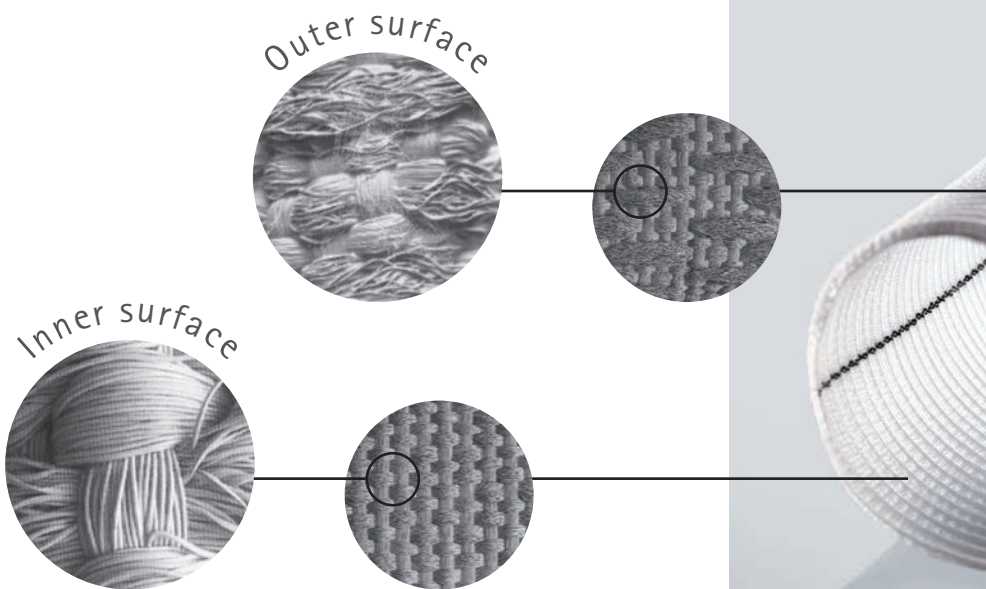


Uni-Graft® W

Woven Impregnated Vascular Prostheses
Reconstructive Procedures in Cardiac and
Thoracic Surgery

Uni-Graft® W

Uni-Graft® W is a woven, single velour vascular prosthesis made of polyester, which has been impregnated with absorbable crosslinked bovin gelatine. This treatment reduces the initial porosity. The prosthesis is blood tight at the time of implantation.



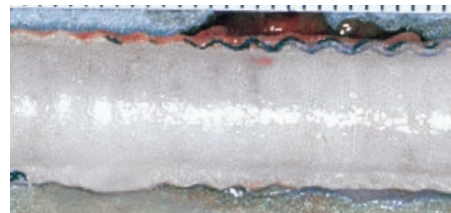
Uni-Graft® W State of the Art Weaving Technology

- Reduced needle hole bleeding due to modified weaving technology (1)
- High suture retention force (2)
- Strong and durable textile structure
- Simple and safe handling characteristic (3)

Proven Uni-Graft® W Impregnation

Zero Porosity | Tests under physiological conditions confirm Uni-Graft® reliable performance and zero porosity at the time of the implantation.

Biocompatible aldehyd free impregnation | Uni-Graft® is free of aldehyde.



Micrograph showing complete neointimal formation and a thrombus-free luminal prosthetic surface (4).

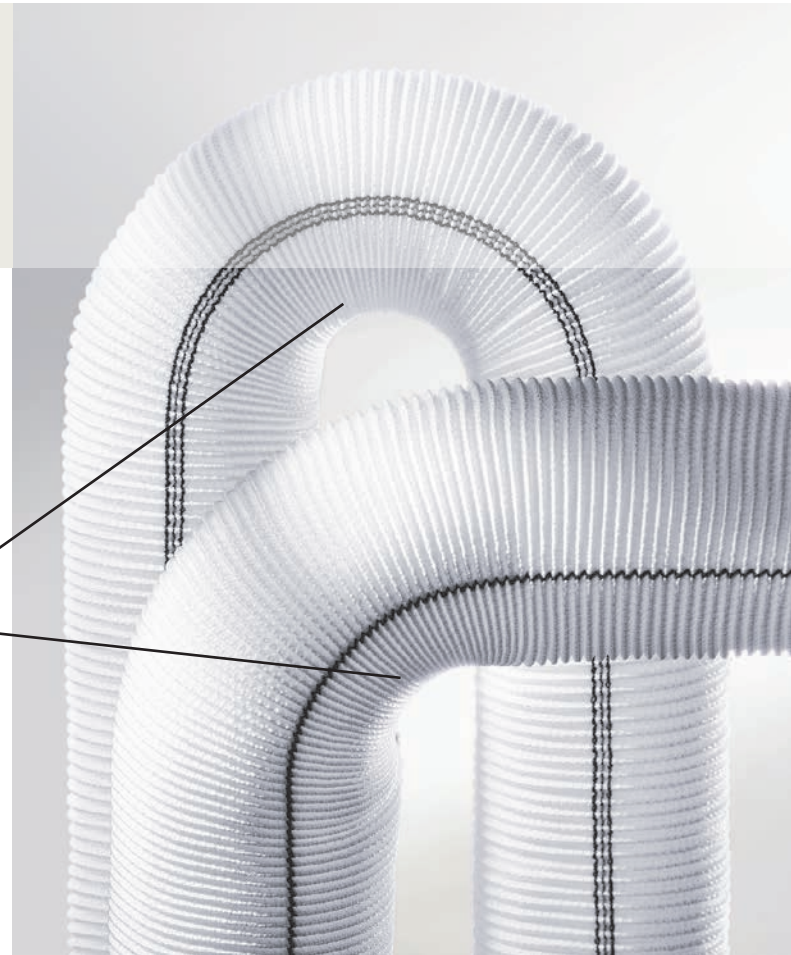
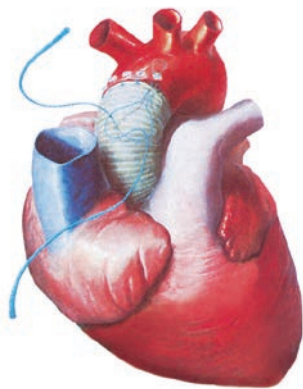
Intended Use & Indication

Uni-Graft® W is intended to use for reconstructions of the ascending aorta, the aortic arch, the descending and thoracic

Uni-Graft® W Aortic Arch

Uni-Graft® W Aortic Arch is a woven single velour vascular prosthesis made of polyester, which has been impregnated with absorbable modified bovine gelatine. Aortic Arches are available in 90° bends from 26–32 mm diameter.

Strong and durable architecture
due to inner seam technology



Natural Healing Properties

The external velour and the smooth inner surface provide the basis for fast and gentle tissue ingrowth and for an antithrombotic inner surface.

Uni-Graft® W Aortic Arch

- True anatomical conformity and near-physiological aortic blood flow (5, 6)
- No turbulences and recirculations observed (6)
- Proven Uni-Graft® safety and reliability over more than three decades

aorta. It is indicated for the replacement of the diseased aorta in patients suffering from dissectional, aneurysmal or degenerative diseases.

Order Information



Uni-Graft® W Aortic Arch



Uni-Graft® W Tubes

Angle	Diameter	Product Code
90°	26 mm	110 6801
90°	28 mm	110 6803
90°	30 mm	110 6806
90°	32 mm	110 6808

Length*	Diameter	Product Code
15 cm	24 mm	110 6392
15 cm	26 mm	110 6406
15 cm	28 mm	110 6414
15 cm	30 mm	110 6422
15 cm	32 mm	110 6430
15 cm	34 mm	110 6449
15 cm	36 mm	110 6457
30 cm	24 mm	110 6635
30 cm	26 mm	110 6643
30 cm	28 mm	110 6651
30 cm	30 mm	110 6660
30 cm	32 mm	110 6678
30 cm	34 mm	110 6686
30 cm	36 mm	110 6694

(1) In a user survey conducted by Aesculap nearly 80% of the nine participating surgeons rated the occurrence of suture hole bleeding as very seldom or rarely.

(2) All surgeons of this customer inquiry confirmed the suture retention force as very good or good.

(3) Furthermore, the handling was mainly rated as very good.

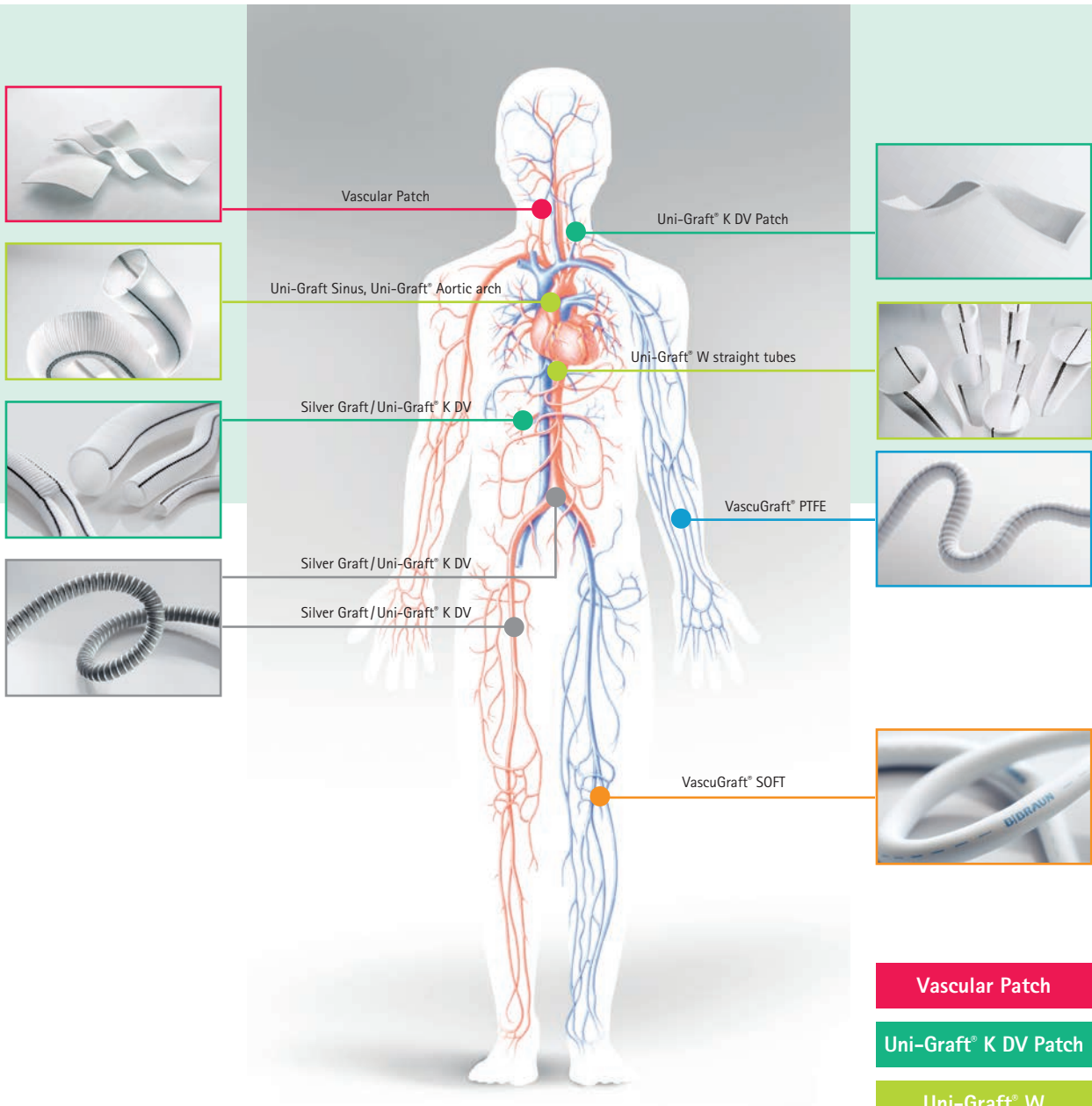
(4) BORDENAVE L. Experimental Evolution of a gelatine coated Polyester Graft as a Substitute. *Biomaterials*. 1988;Vol.10:235-42.

(5) Misfeld et al. A Novel, Form-Stable, Anatomically Curved Vascular Prosthesis for Replacement of the Thoracic Aorta. *Ann Thorac Surg*. 2004;78:1060-3.

(6) Frydrychowicz et al. Preliminary results by flow-sensitive magnetic resonance imaging after Tiron David I procedure with an anatomically shaped ascending aortic graft. *Interact Cardiovasc Thorac Surg*. 2009;9(2):155-8.

(7) VOORHEES AB, JARETZKI A, BLAKEMORE AH. The use of tubes constructed from vinyon "N" cloth in bridging arterial defects. *Ann Surg*. 1952;135(3):332-6.

* other lengths upon request.



Vascular Patch

Uni-Graft® K DV Patch

Uni-Graft® W

Uni-Graft® K DV

Silver Graft

VascuGraft® PTFE

VascuGraft® SOFT

Vascular grafts have been in clinical use for almost 40 years. In 1952 Voorhees et al (7). demonstrated that hand-sewn tubes made of the parachute material Vinyon „N“ could be successfully used to replace the abdominal aorta of both dogs and humans. These studies with Vinyon „N“ - initiated the era of prosthetic replacement of diseased arteries.

Since 1986 B. Braun has been developing and manufacturing its own PET prosthesis.



Manufacturer

Aesculap AG | Am Aesculap-Platz | 78532 Tuttlingen | Germany

CE 0123

Distributor

B. Braun Melsungen AG | Vascular Systems | Sieversufer 8 | 12359 Berlin | Germany

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