MEDOS VAD SYSTEM

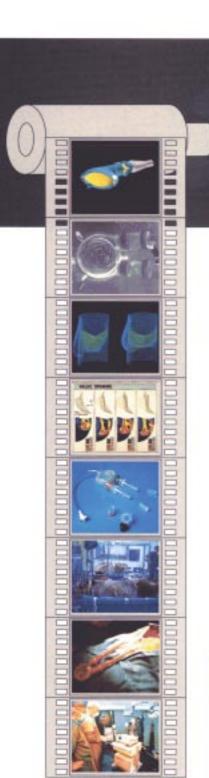


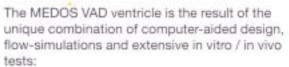


Ventricular Assist Device for infants, children and adults



MEDOS VAD VENTRICLE





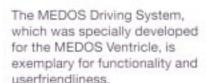
- Transparency of the whole pump
- Excellent wash out
- Fluiddynamically optimized 3-leaflet Polyurethane valves
- ▶ Biocompatible surfaces
- Pump sizing concept
 - Ensures the applicability for individual patient requirements
 - Volume reduction of 10 % for the RVAD-Ventricle to avoid a volume displacement into the pulmonary circuit

Stroke Volume (ml)		Cardiac Output at 100 BPM
LVAD	(80)	8,0
RVAD	(72)	7,2
LVAD	(60)	6,0
RVAD	(54)	5,4
LVAD	(25)	2,5
RVAD	(22,5)	2,25
LVAD	(10)	1,0
RVAD	(9)	0,9





MEDOS VAD DRIVING SYSTEM





- A mobile driver for all ventricle sizes from 9 cc to 80 cc
- Designed for left-, right and biventricular operation
- Operation by main and wall supply or internal compressor and battery
- A comprehensive safety and alarm system protects the user against malfunction and faults





Userfriendliness

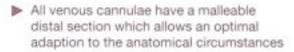
- Simple user guidance by touch screen monitor
- Multilingual dialogue system
- Simplified operation by self explaining monitor screens
- A rapid setting in period, therefore optimal usage of all system possibilities
- Optional ECG-Triggering with different modi: 1:1, 1:2 and 1:3





MEDOS VAD CANNULAE



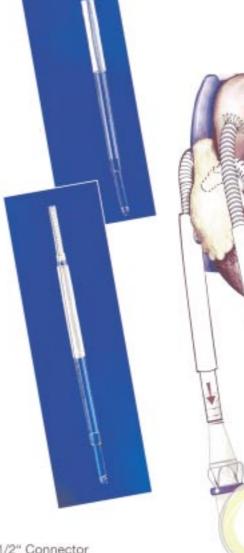


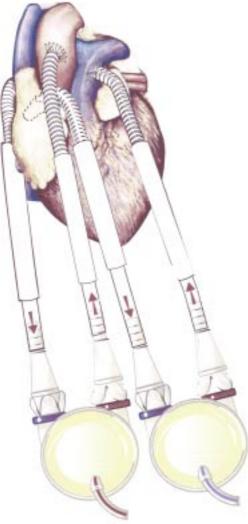
Connection	Diameter
1/4"	14Fr./18Fr./24Fr.
3/8"	24Fr./32Fr./36Fr.
1/2"	36Fr./40Fr./50Fr.

The distal part of the arterial cannulae consists of a flexible graft, which lenght can be shortened individually. The graft coating minimizes puncture channel bleeding

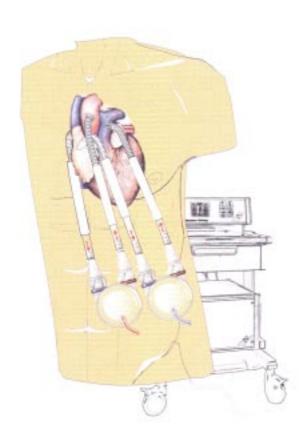
Connection	Diameter
1/4"	4 mm / 6 mm
3/8"	6 mm / 8 mm
1/2"	10 mm / 13 mm

- Additional cannulae types
 - Venous transmitral cannula, 50 Fr. with a 1/2" Connector
 - 15 mm Apex cannula with a preshaped distal part (135°)
 - Further cannulae types available on individual request





MEDOS VAD-SYSTEM - the Leading System for Cardiac Assist



The MEDOS VAD-System is a mechanical Heart Assist Device which can be equally used for newborn, children and adults.

The MEDOS VAD-System is designed for left-, right- and biventricular application

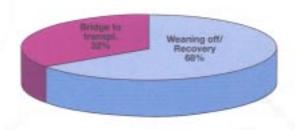
The MEDOS VAD-System is a pneumatically driven system, applicable in a very userfriendly way by a touch screen monitor.

Used in 66 Centres

Due to the excellent results and the efficiency the MEDOS VAD shows an annually increasing application-rate of approx. 45%.

Indications

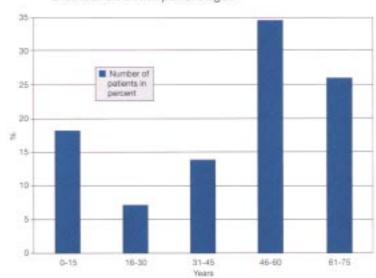
Bridge to transplant Weaning off / Recovery



Patients range

Age: From 4 days to 76 years Weight: From 3,1 kg to 135 kg

Distribution of the patient ages



▶ Pediatric Clinical Expanience

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➤ Adult Clinical Experience

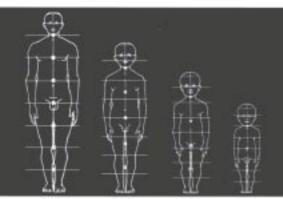
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Product- and Performance Spectrum

- Ventricular Assist Device
- Perfusion Systems
- Oxygenators
- · Reservoires and Filters
- Holders
- Custom-tubing-packs

- Cannulae
- Instruments
- Blood Pressure Monitoring Set
- Perfusion Service
- Heart Valves

