

**QUADROX-iD Pediatric  
PRODUCT PRESENTATION**

**MAQUET**  
GETINGE GROUP



## **TABLE OF CONTENTS**

1. Intended use
2. Product specifications
3. Performance data
4. Product benefits
5. References

## TABLE OF CONTENTS

- 1. Intended use**
2. Product specifications
3. Performance data
4. Product benefits
5. References



QUADROX-iD Pediatric

## INTENDED USE

In combination with a suitable centrifugal or roller pump, QUADROX-iD Pediatric is intended for both extracorporeal pulmonary and cardiovascular support, or for simultaneous pulmonary and cardiovascular support **during long-term use**.

Within the specified flow rate range, the device **oxygenates the blood, removes carbon dioxide** and regulates the blood temperature.

The QUADROX-iD Pediatric is approved for up to **30 days long-term use**.

## TABLE OF CONTENTS

1. Intended use
- 2. Product specifications**
3. Performance data
4. Product benefits
5. References

## PRODUCT SPECIFICATIONS

	<b>QUADROX-iD Pediatric</b>
Edge length	55 mm
Minimum blood flow	200 ml/min
Maximum blood flow	2,8 l/min
Gas transfer surface area	0,8 m <sup>2</sup>
Gas fiber material	Polymethylpentene (PMP)
Gas fiber diameter	380 μm
Priming volume	81 ml

## PRODUCT SPECIFICATIONS

	<b>QUADROX-iD Pediatric</b>
Gas inlet connector	1/4"
Gas outlet connector	3/8"
Blood inlet and outlet connectors	1/4"
Heat exchanger fiber material	Polyurethane (TPU)
Heat exchanger surface area	0,15 m <sup>2</sup>
Holder concept	Basic holder 016061 + HKHZ 19
Sterilization method	Ethylene oxide

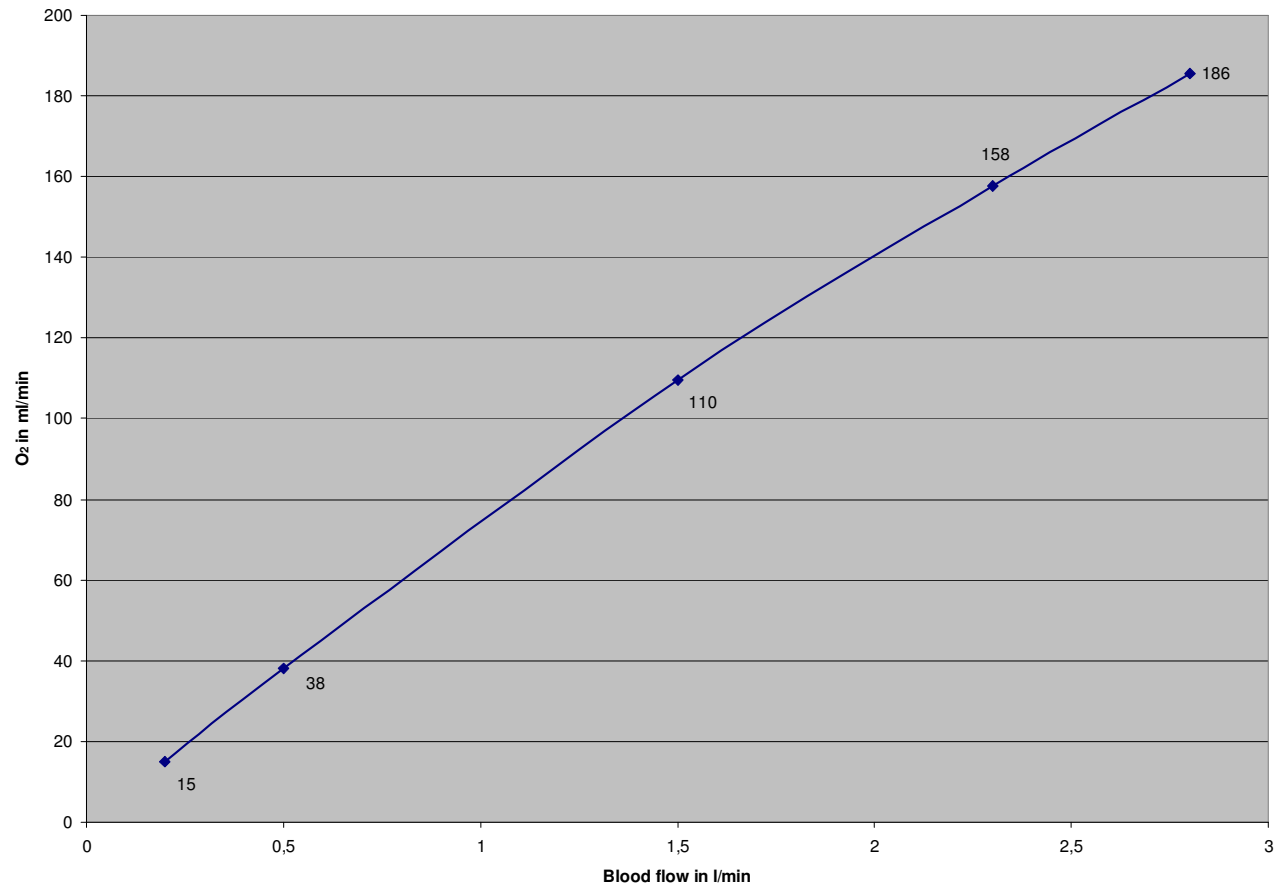


## TABLE OF CONTENTS

1. Intended use
2. Product specifications
- 3. Performance data**
4. Product benefits
5. References

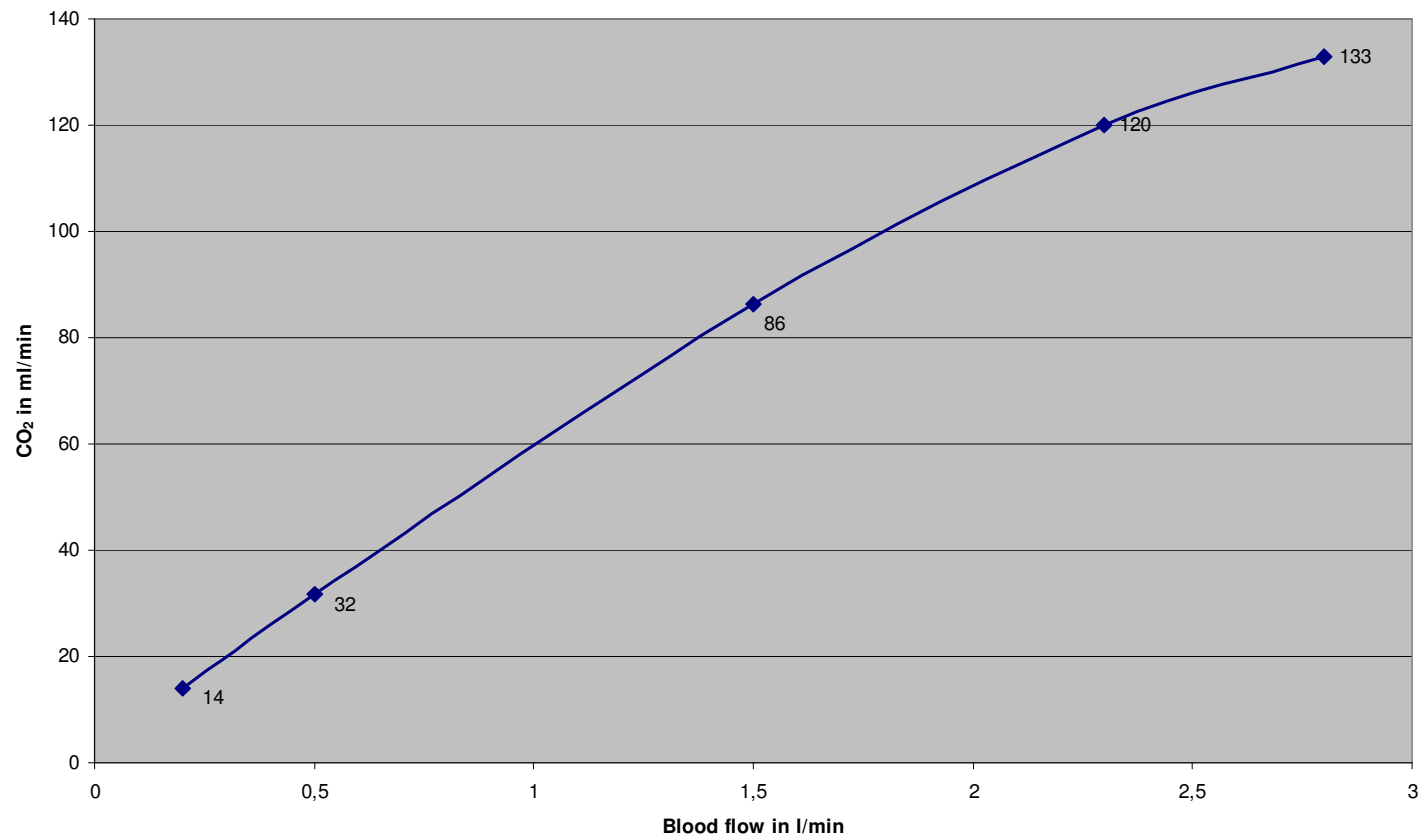
## PERFORMANCE DATA QUADROX-iD PEDIATRIC

### Performance curve: Oxygen transfer rate



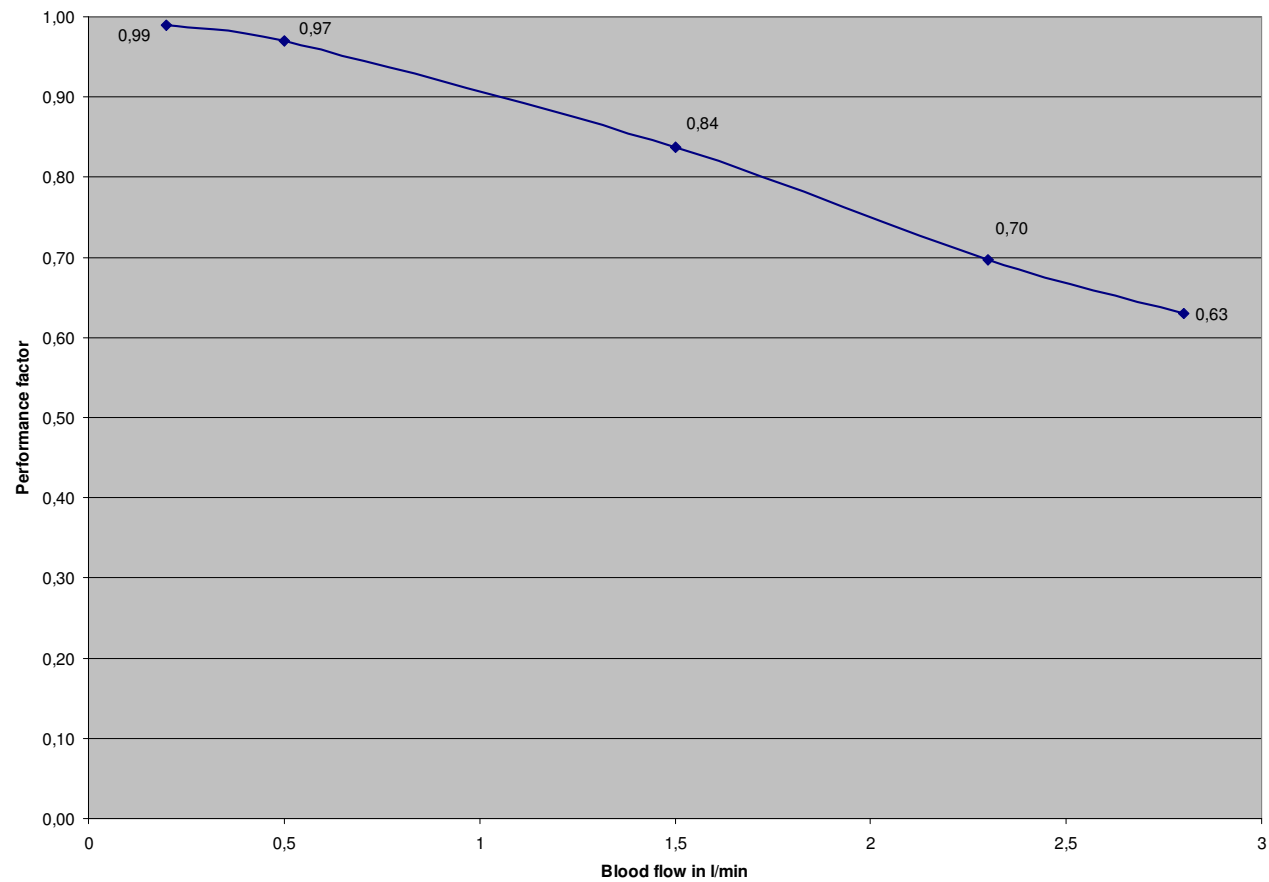
## PERFORMANCE DATA QUADROX-iD PEDIATRIC

### Performance curve: Carbon dioxide transfer



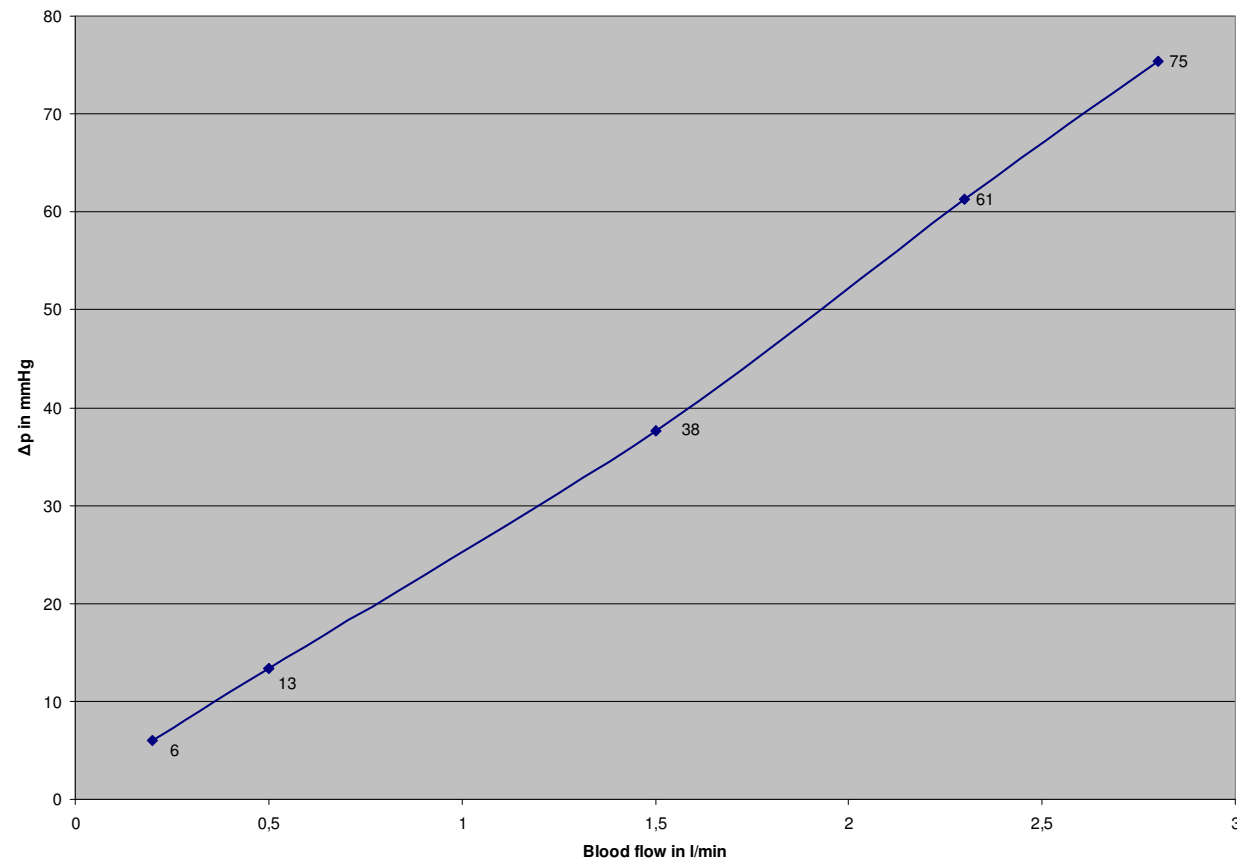
## PERFORMANCE DATA QUADROX-iD PEDIATRIC

### Performance curve: Heat exchanger efficiency at 10 l/min water flow



## PERFORMANCE DATA QUADROX-iD PEDIATRIC

### Performance curve: Pressure drop



## TABLE OF CONTENTS

1. Intended use
2. Product specifications
3. Performance data
- 4. Product benefits**
5. References

## OVERVIEW PRODUCT BENEFITS AND USP

### QUADROX -iD Pediatric

- First and only oxygenator with long-term approval for up to 30 days
- For neonatal and pediatric ECLS
- Lowest pressure drop  
→ Reduction of hemolysis
- Very high gas transfer rates
- PMP-Membrane avoids plasma leakage
- BIOLINE COATING reduces inflammation, complement activation and clotting activity
- Unique de-airing membrane  
→ Quick, safe and easy priming
















## TABLE OF CONTENTS

1. Intended use
2. Product specifications
3. Performance data
4. Product benefits
- 5. References**



## REFERENCES

### Centers already using the QUADROX-iD Pediatric

Clinic	Country
Frankfurt	
Gießen	
Mannheim	
Erlangen	
Aarhus	
Lund	
London Great Ormond Street Hospital	
Brussels	
Bergamo	
Nijmegen	
Bologna	
Southampton	
Melbourne	

**MAQUET**

**The Gold Standard**