

# Elcam Stopcocks

## Marvelous™ Stopcock (MRVLS)

A closed-swabbable stopcock with a proprietary flow channel feature specifically designed for IV administration and pressure monitoring applications, assuring minimal residual volume.

The Marvelous™ allows your customers to continuously flush drugs and blood residuals, without the need to expose the system to the open air, with minimal manual steps, and with maximal compliance to best practices.

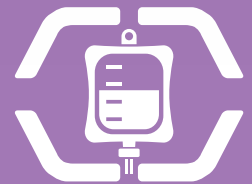
Elcam's Marvelous™ is part of our E-Safe™ product family, specially developed in order to provide our customers with a range of solutions to minimize stopcock contaminations and enhance patient safety.



Elcam Medical's Marvelous™ stopcock - an excellent choice for both monitoring and IV procedures.



Patient  
Monitoring



Medication  
Delivery

## The Marvelous™ carries many advantages for both IV and Monitoring applications:

### Safety

- **Reduced bacterial and air ingress** - maintains a closed system at all times
- **Reduced dead space** - assures flushing with minimal residual volume. Whether a drug or blood, the internal volume is constantly flushed by the in-line flow providing greater protection against blood clotting and bacterial colonization.

### Efficient pressure monitoring

- **Allows priming in a closed system**
- **Assures pressure monitoring without signal damping**

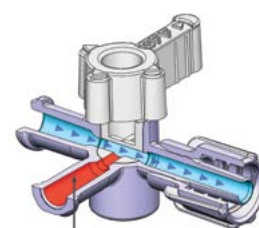
### Facilitated blood sampling

- Enables blood sampling with the benefits of a **closed system** and **in-line flushing** with **minimal residual volume**

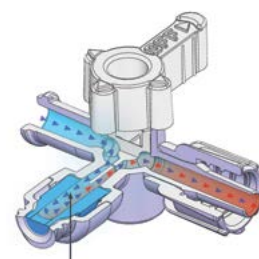
### Ease of use

- **Saving your customer time and money** - simply swab and use! No need for using cannulas, needles or caps.
- **Shortens flushing time** – facilitated by constant in-line flushing
- **Universal** - the Marvelous's ports are compatible with all common used luers

Property	Units	Marvelous for monitoring applications <sup>1</sup> (standard flow)	Marvelous for IV applications <sup>1</sup> (high flow)
Flow <sup>2</sup> rate at "All open" position	[ml/min]	140±5	200±5
Flow <sup>2</sup> rate while side port closed	[ml/min]	70±5	105±5
Flow <sup>2</sup> rate from side port to male Luer	[ml/min]	135±5	175±5
Side port volume	[ml]	0.2±0.02	0.2±0.02



Trapped fluid or air in side port



Constant flushing of the side port

<sup>1</sup> For acceptable quality levels refer to spec # 0022-G

<sup>2</sup> Flow was measured under 75 mmHg pressure / 1 meter water pressure

### Physical Properties

- Lipid Resistant
- Not made with latex
- Non-hemolytic

### Configuration options

- 1 Valve or 2 valves
- Handles: One arm or 3 arm
- Different Handle colors
- High Flow or Standard Flow
- With or without Luer Lock
- Manifold

The Marvelous™ is CE approved for non-sterile products and 510(k) cleared



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