

Increased Simplicity, Reduced Footprint

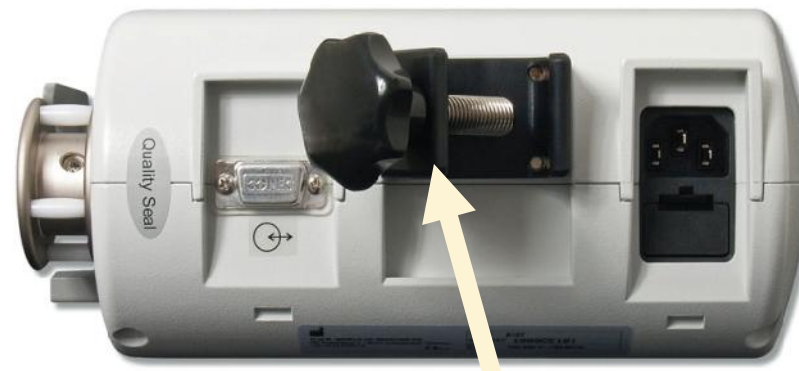
- Simplicity
- Size
- Performance
- Safety



Intuitive

Simplicity

- Intuitive pressure setting
- Flexible use due to pole mounting (Toggle screw)



Toggle screw

Easy Handling

Simplicity

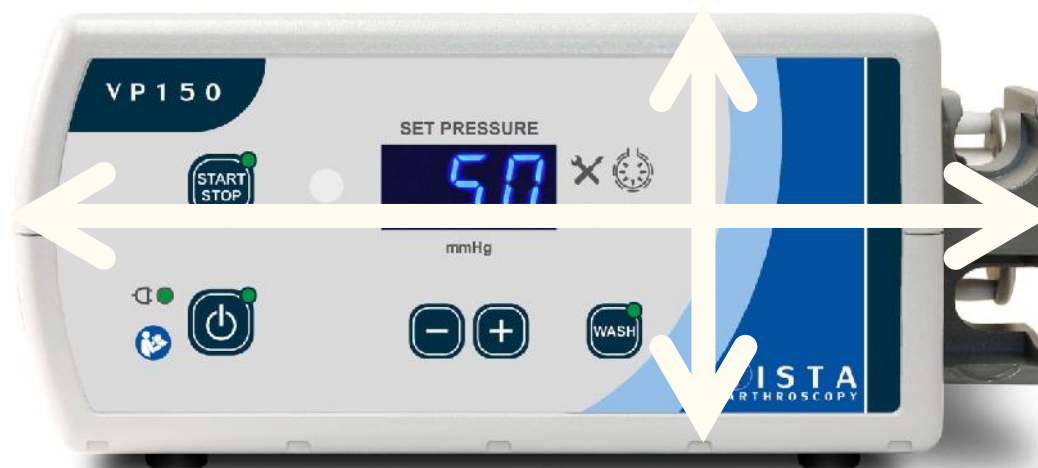
- Well-matched tube sets (reusable and disposable)
- Safe and reliable tube set connection



Small Size Not Compromising Performance

Size

- One of the smallest Arthroscopy pumps in the market
- Pole mounted or stackable unit fitting every OR
- Optimal solution for less space



Flexibel And In Control

Performance

- Max Flow: 1.5l/min
- Optimized flow regulation done by:
 - Automatic instrument detection
 - Software control
 - “Wash” function to improve visibility within the joint



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Flexibel And In Control

Performance

- **“Wash” function**
 - Removes particles and blood from inside the joint to improve visibility
 - Pressure increases by 50% of the set nominal pressure
 - Flow increases by 0.5 l/min
 - Automatic switch-off after 20s or by activation of button



Safety For The Patient

Safety

- Automatic **self-test** upon start-up
 - Built-in internal component monitoring
- **Safety** and **warning** messages on display
- Transponder Tube Set
 - **RFID Technology** to minimize the potential risk c misuse
 - Disposable, Reusable



RFID Technology

Safety

- Transponder Technology (**RFID**)
 - Minimizes the potential risk of misuse
 - High protection against copies
 - Ensures patient safety

Transponder with customized coding



Controls



Summary

- **Simplicity**
 - Intuitive pressure setting
- **Size**
 - One of the smallest Arthroscopic pumps in the market
- **Performance**
 - Excellent price performance ratio
 - Optimized flow regulation done by automatic instrument detection and software control
- **Safety**
 - RFID minimizes potential risk of misuse
 - RFID protects the system against distribution of 3rd party tube sets
 - Hygiene and product safety
 - Turnover and margin potential



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Technical data



Rated Voltages in V	100-240V
Rated frequencies in Hz	50-60Hz
Fuse(s)	2 x T 3.15AH, 250V
Power consumption: Normal operation [VA]	60VA
Protection class	I
Application part of the type (tube set)	BF
Protection Type (IP Code)	IP41
Adjustable pressure range	5 to 150mmHg
Max. flow	1.5L/min $\pm 10\%$
Dimensions: Width x Height x Depth [mm] incl. Toggle Screw	240 x 103 x 255 [mm]
Weight	2.8Kg

VP150

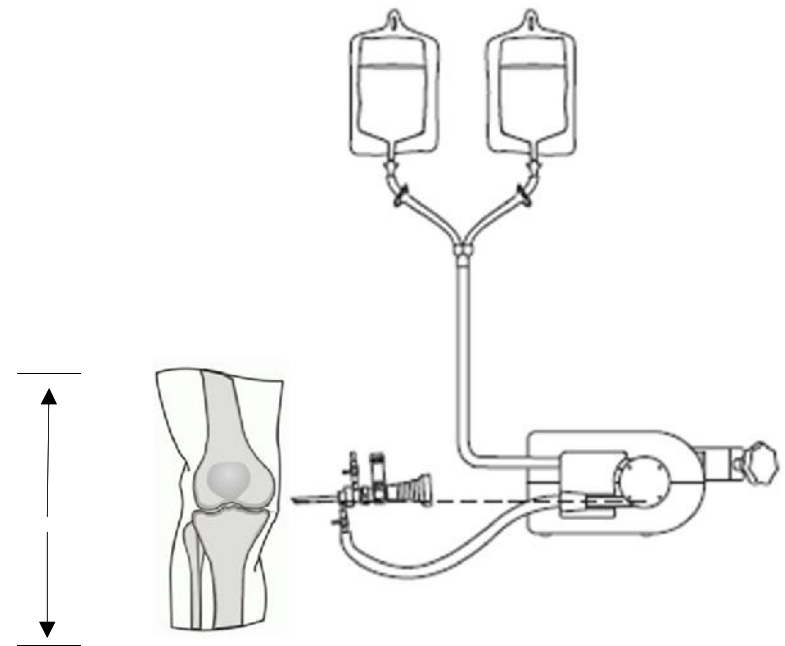
NOTE:

The pump (pressure sensor) must be installed at the same height as the joint. Installation above or below joint level affects the pressure measurement and the pump's performance

25 cm above
causes an increase of
20 mmHg inside the joint !

“Zero” level pressure on display =
pressure inside joint

25 cm below
causes a decrease of
20 mmHg inside the joint !



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