


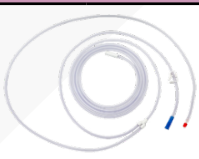










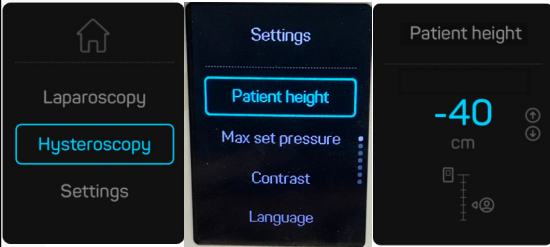




## iFlow mini Quick-start

iFlow mini			
		Irrigation and suction pump (Hysteroscopy and laparoscopy programs)	
Tubes			
			
Single-use sterile irrigation tube. With 1 or 2 spike(s). Box of 15 units.		Single-use sterile suction tube. Box of 15 units.	Suction vacuum tube with hy- drophobic filter, non sterile, for 30 days of use.
Cuffs			
			
1L pressure cuff	3L pressure cuff Square version	3L pressure cuff Long version	Y-adapter for connecting 2 cuffs






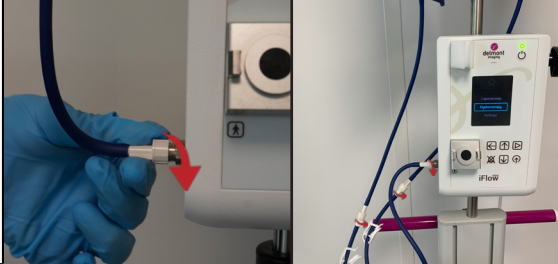

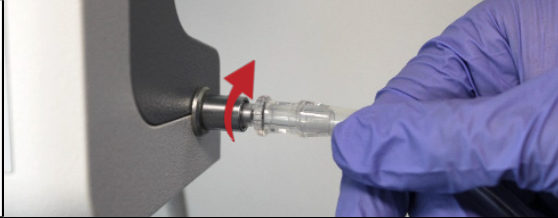




Step	Action by	Photo	Description
<b>Pump set-up and initial settings</b>			
1			<ul style="list-style-type: none"> <li>Plug the pump into the wall outlet. A green light indicator will appear above the stand-by button, meaning the pump is ready to use.</li> <li>Switch on the pump by pressing the stand-by button: a loading screen appears.</li> </ul>
2			<ul style="list-style-type: none"> <li>From left to right, starting with the first column of buttons:               <ul style="list-style-type: none"> <li>- «Back button» &amp; «Stop button for current alarm sound»</li> <li>- «Up» and «Down navigation buttons»</li> <li>- «Enter/Irrigation start button» and «Vacuum suction start/stop button»</li> </ul> </li> </ul>
3			<ul style="list-style-type: none"> <li>On the main menu, go into the «Settings» tab and select «Patient height» setting.</li> <li>Measure the height difference between the operating table and the iFlow mini pump sensor.</li> <li>Enter the measured value. The available range is from 0 to -60 cm («0» meaning that the operating table is at the height of the sensor).</li> </ul>
4			<ul style="list-style-type: none"> <li>The maximum set pressure can be adjusted for hysteroscopy indication. 150mmHg is the default value, but can be set at 200mmHg.</li> <li>To do so, go back to the «Settings» tab and select «Max set pressure» setting. Then, choose 200mmHg.</li> </ul>



Non-sterile hands



Sterile hands


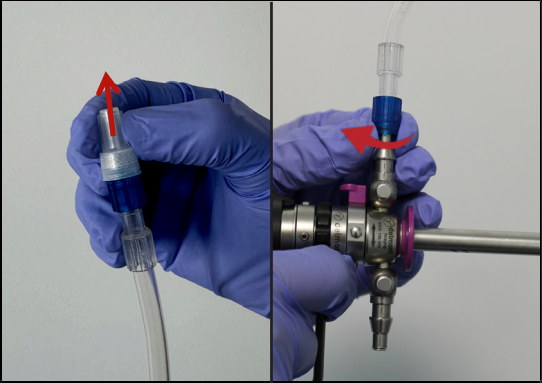






Step	Action by	Photo	Description
<b>Cuff(s) installation</b>			
1			<ul style="list-style-type: none"> <li>Slide the fluid bag(s) into the cuff(s) through the top opening. Hang each fluid bag by the hook of the cuff.</li> <li>Place the cuff(s) on the infusion stand hooks.</li> </ul>
2			<ul style="list-style-type: none"> <li>Connect the cuff to the pump's air outlet if only one is used. Otherwise, connect them both to the Y-adapter. Then, connect the Y-adapter to the pump's air outlet.</li> </ul>
<b>Vacuum suction tube installation</b>			
1			<ul style="list-style-type: none"> <li>Screw the vacuum suction tube to the pump air inlet</li> </ul>
2			<ul style="list-style-type: none"> <li>Connect the second tip of the vacuum tube to the fluid recovery container</li> </ul>
3			<ul style="list-style-type: none"> <li>If you're using more than one container, make sure there is a tandem connection for the vacuum suction</li> </ul>

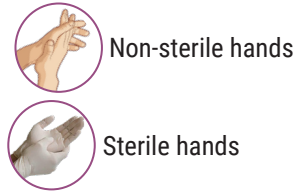



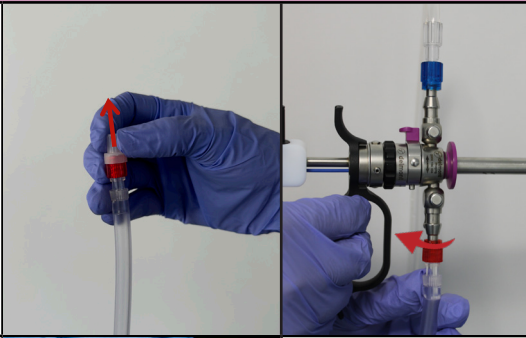

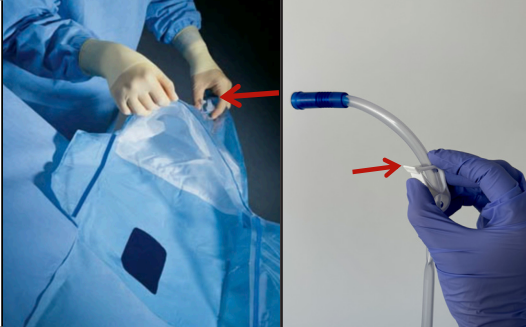

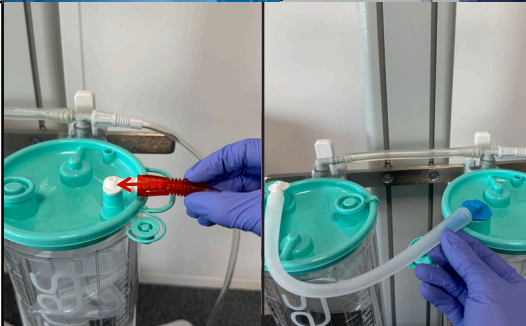
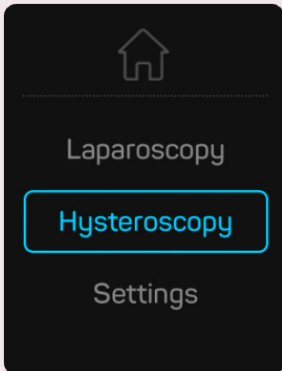
Non-sterile hands

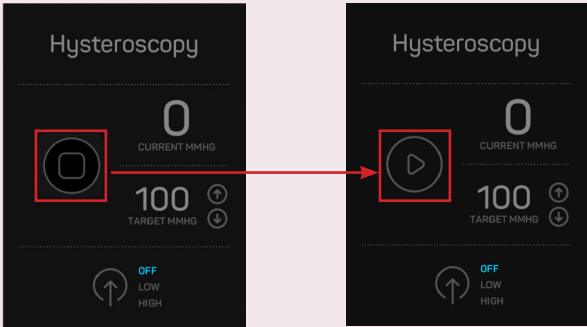
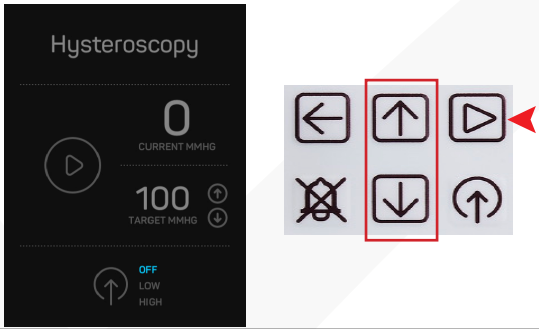
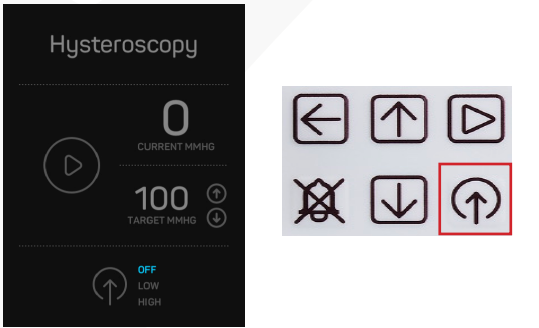
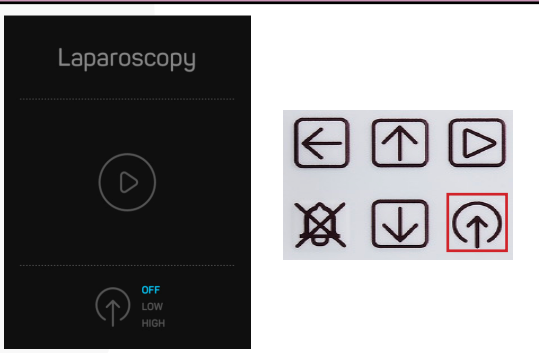




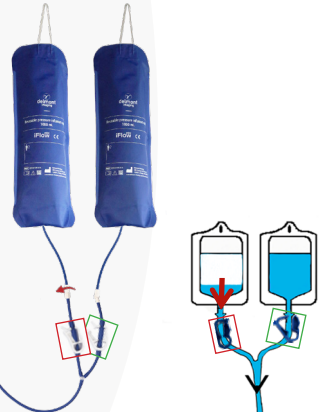
Sterile hands

Step	Action by	Photo	Description
<b>Irrigation tube installation</b>			
1			<ul style="list-style-type: none"> <li>Open the sterile pouch within the sterile field</li> <li>Remove the transparent plastic protective cap.</li> <li>Connect the irrigation tube to the corresponding stopcock on the instrument. Give the other side of the tube to the non-sterile hand.</li> </ul>
2			<ul style="list-style-type: none"> <li>Take the irrigation tube from the sterile hand.</li> <li>Press on the two tabs of the dome to remove the green protective cap.</li> <li>Maintain pressure on the dome's tabs and position it on the sensor housing. ⚠ <b>Make sure there is no gap between the tubing dome and the pump sensor</b></li> </ul>
3			<ul style="list-style-type: none"> <li>Rotate the pressure dome by the tubes (<b>not the tabs</b>) to lock it in place</li> </ul>
4			<ul style="list-style-type: none"> <li>Position the tube in its holder</li> <li>Insert the spike(s) into the fluid bag(s) with the clamp(s) closed</li> </ul>



Step	Action by	Photo	Description
<b>Suction tube installation</b>			
1			<ul style="list-style-type: none"> <li>Open the sterile pouch within the sterile field</li> <li>Remove the transparent plastic protective cap</li> <li>Connect the suction tube to the corresponding stopcock on the surgical instrument</li> </ul>
2			<ul style="list-style-type: none"> <li>If present, connect the second end of the suction tube to the collection bag on the surgical drape. <u>If not</u>, close the clamp on this tube end.</li> <li>Give the other side of the tube to the non-sterile hand.</li> </ul>
3			<ul style="list-style-type: none"> <li>Take the suction tube from the sterile hand and connect it to the container</li> <li>Check for the presence of tandem tube for liquid flow in the case of several collection containers</li> </ul>
			<ul style="list-style-type: none"> <li>Once everything is properly installed, enter either in the «Hysteroscopy» or the «Laparoscopy» program, depending on your need.</li> </ul>

Step	Photo	Description
		<ul style="list-style-type: none"> <li>To <b>ensure patient safety</b>, iFlow mini features a <b>tubing detection function</b>, available in both hysteroscopy and laparoscopy programs.</li> <li>The pump cannot be launched if the irrigation tube is not connected properly.</li> </ul>
<b>Hysteroscopy program</b>		
<b>1</b>		<ul style="list-style-type: none"> <li>For the «Hysteroscopy» program interface, adjust the targeted pressure through the up and down navigation buttons. Then, start the pump by pressing the enter button.</li> </ul>
<b>2</b>		<ul style="list-style-type: none"> <li>A vacuum suction function is available on the pump. To activate it, press the vacuum suction start button.</li> <li>Choose between the LOW (30KPa) or HIGH (50KPa) vacuum suction power.</li> </ul>
<b>Laparoscopy program</b>		
<b>1</b>		<ul style="list-style-type: none"> <li>For the «Laparoscopy» program interface, only one parameter can be adjusted, the vacuum suction power.</li> <li>To do so, press the vacuum suction start button and choose between the two power options.</li> </ul>

Step	Photo	Description
<b>Switching between two bags</b>		
<ul style="list-style-type: none"> <li>When more than one bag is required, the Y-adaptor should be used to switch between fluid bags.</li> <li>Below, a technique <b>using the air from the first cuff</b> is explained to avoid stopping the pump when changing the liquid bag:</li> </ul>		
<b>1</b>		<ul style="list-style-type: none"> <li>Open <b>only one of the two clamps</b> on the Y-adaptor.</li> <li>Likewise, open <b>only</b> the irrigation <b>tubing's clamp corresponding to the unclamped cuff</b>.</li> <li>Start the pump</li> <li>Wait for the first cuff to fill with air until target pressure is reached (<b>about 1 minute</b>)</li> <li>Start surgery</li> </ul>
<b>2</b>		<ul style="list-style-type: none"> <li>When the first liquid bag is empty, open the clamp of the second cuff and liquid bag. <b>Wait for some of the air in the first cuff to transfer to the second</b> (approximately 10 sec., you will hear a sound of inflation).</li> </ul>
<b>3</b>		<ul style="list-style-type: none"> <li><b>Clamp the first cuff and liquid bag.</b></li> <li>Remove the spike of the irrigation tube and unscrew the cuff with the empty fluid bag.</li> <li><b>Replace the former bag with a full one</b>, screw the cuff back on and reintroduce the spike inside the new bag.</li> </ul>