

Centrel®

The Clear Vision



Office and operative hysteroscopy



Centrel sets the new standard of hysteroscopy

Look through a Centrel HD hysteroscope and discover what you have never seen before.

The construction technology of high-definition Centrel HD hysteroscopes is able to return an image rich in detail and equally bright both the center and the edges of the field of observation. The Centrel hysteroscopes are available with diameters of 2 and 2.9 mm. and with 0°, 12° and 30° viewing angle. All mechanical part are laser soldered, instead the distal lens is sapphire soldered. These exclusive features avoid infiltrations during the sterilization cycles. The quality of the detailed image observed through the Centrel hysteroscope is enhanced when coupled with an high definition camera as the Centrel Ecam 2 one.



HD29

DS38-DS38F



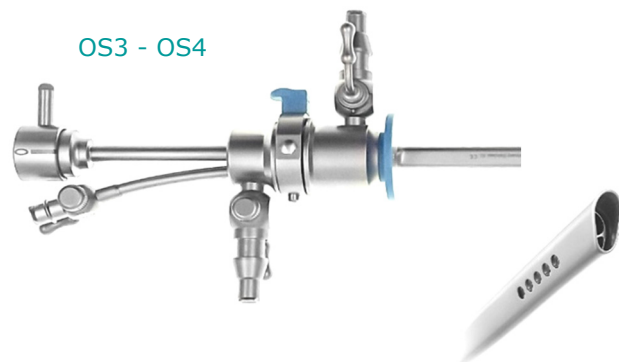
Diagnostic sheaths

The Centrel single flow diagnostic sheath has a diameter of 4 mm. and distal angle of 30°. The rotatable stopcock of DS38 prevents kinking of the irrigation tube, while the DS38F has a fixed stopcock.

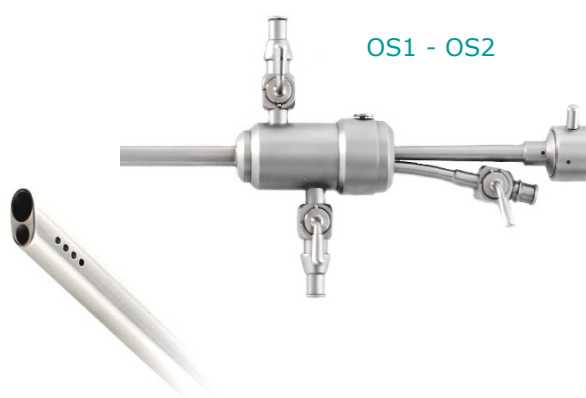
Operative sheaths

With a diameter of 5 mm. and an operating channel of 5 Fr., the Centrel OS3-OS4 operative sheath has a teardrop section and fast lock device between the internal and the external element. Is also available a rotatable stopcocks OS1-OS2 operative sheath with oval section and same 5 mm. diameter.

OS3 - OS4



OS1 - OS2



Operating instruments

Centrel 5 Fr. surgical instruments are distinguished by their particular strength and include different types for grasping, biopsy and cutting, including the exclusive PC9 by Vitale snake forceps. In addition to the classic semi-rigid construction, the Semiflex version is available with a flexible layout of the first part of the stem. This increases the degree of freedom of the instrument, avoiding the risk of breakage in the most stressed area.



FG1



PC9



PC4

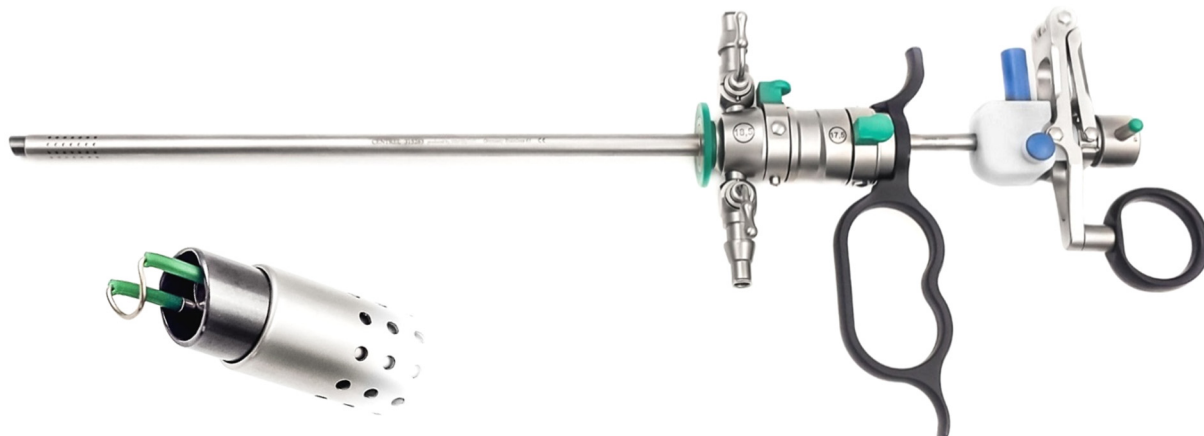


PC7



18.5 Fr. Mini resector

When resorting to minimally invasive surgery, the Centrel mini resector is the best choice. The inner jacket, with a diameter of only 5 mm., protrudes distally from the outer sheath allowing the easy introduction of the instrument without resorting to dilation of the cervical canal, in most cases. The high smoothness titanium work element, together with the rotating stopcocks, ensures excellent operation, even in the most demanding situations, particularly appreciated in bipolar mode using.



Electrodes

A wide range of both monopolar and bipolar or cold electrodes is available, characterized by a high mechanical strength, thanks to the generous diameter of the filament used. In addition, the 90 ° loop has the same layout as the loop of the standard resector, rather than ring or oval, giving it greater operational efficiency.



Touch 200 electrosurgical unit

This electrosurgical unit offers a wide range of possibilities for many different applications inside the operating theatre; and is suitable for optimal use with the Centrel mini resector in saline solution, as for the bipolar procedure. In this application, the waveform of the electrosurgical current delivered is so precise as to allow its use without resorting to any anesthesia, by setting the power to low values.



Optional electrodes Reusable bipolar electrodes for the 5 Fr. operating channel of OS1-OS3 sheaths.



Visit [centrel.com](https://www.centrel.com) for more information



Touch 200 Electrosurgical unit

<i>Working frequency</i>	360 Khz + - 10% monopolar and bipolar
<i>Output power</i>	Pure cut monopolar 200W / 300Ohm, NaCl solution bipolar cut 120W / 50Ohm.
<i>Output circuit</i>	Floating, isolated from ground at high and low frequency.
<i>Footswitch</i>	Double function (IPN8).
<i>Monopolar using</i>	With one or two handles, instrument with handle or footswitch control.
<i>Bipolar using</i>	Footswitch control.
<i>Pulse timing</i>	Duration setting from 10 millisec. to 30 sec.
<i>Self-test diagnosis</i>	By two microprocessors with self-test on power-up; continuous control during operation and block function in case of failure with error code displaying.
<i>Neutral control electrodes</i>	By use of double or single section electrodes with acoustical and visual alarms.
<i>Power supply</i>	230 VAC - 50 Hz, 750 VA.
<i>Compliant</i>	With CEI EN 60601-1, CEI EN 60601-2-2, Class I type CF
<i>Dimension and weight</i>	370 x 144 x 319 (l x h x p) mm., 6Kg.

18.5 Fr. Mini resector

<i>Technology</i>	Bipolar standard, monopolar optional.
<i>Diameter</i>	6 mm. outer sheath with 5 mm. inner protruding distal sheath.
<i>Hysteroscope coupling</i>	HD29 @ 0°, 12°, 30°. Best 12°.
<i>Irrigation</i>	Double flow with rotatable stopcocks.
<i>Work element</i>	Titanium passive element.
<i>Electrodes</i>	Loop 90°, straight loop, knife. Other type on request.
<i>Sterilization system</i>	Autoclave, Steris, Sterrad, EtO
<i>Compliant</i>	With 93/42 CE

Surgical instruments

<i>PC4, FG1, PC7, PC9</i>	Semirigid layout	Operative length 34 cm., total 41 cm.
<i>PC8, FG5</i>	Semiflex layout	Operative length 38 cm., total 46 cm.
<i>BE3, BE4, BE5</i>	Semirigid layout	Operative length 36 cm., total 48 cm.

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