F.P.JOURNE
Invenit et Fecit

THE CENTIGRAPHE SPORT IN TITANIUM

The new model of the F.P.Journe "lineSport"

F.P.Journe presents the new model of its lineSport, the Centigraphe Sport in Titanium grade 5, ultra light high tech material of grey anthracite colour. The Titanium is frequently used in boating and the aeronautics for its lightness and it high resistance to corrosion and wear. Its matte finishing is emphasizing its contemporary sportive aspect. In a constant quest for performance and lightness, the movement and the dial are made in aluminium alloy. This innovative sports watch weighs only between 60 and 70 grams depending of the model.

The lineSport is a collection of innovative watches of astounding lightness especially conceived and made for a proficient sportive activity, with an authentic high horology movement. With its measure of the 100th of a second, the Centigraphe Sport is a perfect match.

The hand-wound mechanical movement of the Centigraphe indicates elapsed times from a 100th of a second to 10 minutes, visible on 3 dials, each with a time scale in red. The 100th of a second hand revolves around the dial in one second on a scale marked in hundredths of a second. On the dial at 2 o'clock, the hand revolves once every 20 seconds on a time scale divided into seconds. The third dial, at 6 o'clock is graduated for 10 minutes.

The chronograph is started, stopped and zeroed by an ergonomic designed rocker at 2 o'clock in the case band, instead of the usual buttons on either side of the crown. This ergonomic design, perfectly fitted to the wristwatch, is patented.
A second patent was granted for the mechanism's ingenious configuration, which effectively isolates the chronograph from the timekeeping function. This means the balance amplitude is unaffected when the chronograph is running.

Rubber inserts fixed with an outstanding process to the end of each link of the titanium bracelet, the sides of the case and the crown contribute to the sportive contemporary aspect of this watch. The folding clasp, engraved with the F.P.Journe signature is also covered with a rubber coating. In addition, it offers an adjustment system of a half link size (4mm approx.).

The Centigraphe Contributes to the Medical Research of the ICM

Godfather of the Centigraphe Souverain, Jean Todt remains the initiator of F.P.Journe's engagement towards the ICM – Institute of Brain and Spinal Cord in Paris - to help fight diseases such as Alzheimer's, Parkinson's, and Multiple Sclerosis.

In purchasing a Centigraphe Sport, in line with the Centigraphe Souverain, you are also supporting the medical research carried out by the ICM. Along with Professor Gérard Saillant, Luc Besson, Jean Réno, Jean Todt, Michelle Yeoh and Michael Schumacher, amongst others, François-Paul Journe has committed to the ICM in donating 30% of the profits from the sale of each Centigraphe Sport to the ICM, with no time limit. (www.icm-institute.org).

THE CENTIGRAPHE SPORT

Patented ergonomic chronograph

The chronograph is started, stopped and zeroed by a rocker at 2 o'clock in the case band, instead of the usual buttons on either side of the crown. This ergonomic design, perfectly fitted to the wristwatch, is patented.

Patented chronograph mechanism

A second patent was granted for the mechanism's ingenious configuration, which effectively isolates the chronograph from the timekeeping function. This means the balance amplitude is unaffected when the chronograph is running.
The hands of the 100th of a second counter, the 20 seconds, and the 10 minutes hand are driven by 2 different wheel trains, themselves driven by the centre of the mainspring (patented).
Another separate train of wheels, also driven by the barrel arbor, drives the 10-minutes hand.

1/100th second recorder hand

The 100th of a second's hand, released by the watch's escapement, makes one revolution of the dial per second. A wheel mounted on the escape wheel (4th wheel of the going train) releases the arbor to which the hand is fitted. The seconds are driven by the going train from the barrel, and by the energy of the chronograph train, as transmitted by the barrel arbor.
One ingenious feature of the 100th of a second is that it may be stopped anywhere along its one-second journey around its dial, even between two 100th-second divisions, enabling a fractional reading.
This is achieved by vertically disengaging the pinion of the 100th of a second hand from that of the escapement, which presses on the pivot shank and acts as a brake.

Return to zero

The 20-seconds hand and the 10-minutes hand are zeroed back by hammer levers acting on the snail cams. The 100th of a second hand is stopped at zero by a beak protruding from its pinion, which presses on a lever and thus blocks the chronograph train.

Maintaining power and power reserve

The barrel features a maintaining power system in order to ensure that the driving force does not decrease during winding.
The mainspring supplies at least 80 hours of power reserve without the chronograph, and 24 hours with the chronograph running.

The Centigraphe Sport is available in the F.P.Journe Boutiques in:

Paris – Geneva - New York – Los Angeles – Miami – Boca Raton - Tokyo -

Hong Kong - Beijing - Beirut

CENTIGRAPHE Sport - Technical Specifications

Movement
Calibre 1506 in aluminium alloy
Manual winding

Dimensions of the Movement

Overall diameter:	34.40mm
Casing-up diameter:	34.00mm
Overall height:	5.60mm
Height of hands:	1.45mm
Height of winding stem:	2.69mm
Diameter of stem thread:	S1.20mm

Balance
Free-sprung balance with four adjustable inertia weights
Anachron free sprung balance spring
Mobile stud holders
Pinned GE stud
Spring pinned to the collet

Frequency:	21,600v/h (3Hz)
Inertia:	10.10 mg/cm^2
Angle of lift:	52°
Amplitude:	0h dial up: > 320°
	24h dial up: > 280°

Escapement
In-line lever escapement - 15-tooth escape wheel

Indications
Central hours and minutes

One-second chronograph:	hand at 10 o'clock
20-seconds chronograph:	hand at 2 o'clock
10-minutes chronograph:	hand at 6 o'clock

Chronograph
Separate chronograph train driven directly from the mainspring
1/100th second readout

Power Reserve
80 hours with the chronograph stopped
24 hours with the chronograph running

Finishes
Circular stripes on the bridges
Circular graining on the baseplate
Polished screw heads with chamfered slots
Pegs with polished rounded ends
Straight-grained steel work

Case
Titanium with rubber inserts

Diameter:	42.00mm
Total height:	11.60mm

Dial
Aluminium alloy and transparent sapphire
Crown
Titanium with rubber coating
Bracelet
Titanium with rubber inserts
Deployant Clasp
Titanium with rubber coating, adjustable

Control
Rocker arm to start, stop and zero the chronograph
3 position winding crown
Position 0, disengaged
Position 1, winding
Position 2, time-setting

Number of Parts

Movement without dial	284
Cased up with strap	561
Jewels	50
Rubber	72

Weight

Total weight on Titanium bracelet:	70 g
Total weight on rubber strap	60 g
Movement alone	12 g
Sapphire glass	7 g