F.P.JOURNE
Invenit et Fecit

LINESPORT - THE CENTIGRAPHE IN TITANIUM

F.P.Journe presents the new model of its lineSport, the Centigraphe Sport in Titanium grade 5 enlarged to 44mm diameter, with assorted Titanium bracelet with articulated links. The bezel in Titanium with numbers of a new topography integrated in the ceramic mass follows the codes of the Chronographe Rattrapante. For the first time, a new bright yellow dial brings a new intensity to the lineSport with luminescent appliqué numbers surrounded with black as well as sapphire counters with red numbers. An anthracite dial with luminescent hands and markers is also available.

Titanium is frequently used in boating and the aeronautics for its lightness and it high resistance to corrosion and wear, while its matte finishing is emphasizing its contemporary sportive aspect. In a constant quest for performance and lightness, the movement of haute horology and the dial are made in aluminium alloy. This innovative sports watch weighs only 81 grams for an absolute comfort. With its measure of the 100th of a second, the Centigraphe 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.

The folding clasp, engraved with the F.P.Journe signature offers an adjustment system of a half link size (4mm approx.).

The Centigraphe is also available with a case and bracelet in Platinum or 18K 6N Gold with hammered finishing.

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, 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).

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.

CENTIGRAPHE – CTS2

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	
	Diameter:	44.00 mm
	Total height:	10.85 mm
Dial	Anthracite or yellow Aluminium alloy and transparent sapphire	
Crown	Titanium	
Bracelet	Titanium	
Deployant Clasp	Titanium, 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	483
	Jewels	50
Weight	Total weight on Titanium bracelet:	81 g
	Movement alone	12 g
	Sapphire glass	7 g