



CHRONOMÈTRE FURTIF  
REF. CF

## User manual - Chronomètre Furtif

A unique design based on an exclusive mechanism

### **An ode to understatement\_**

While the unique “Chronomètre Furtif Bleu” Only Watch 2024 piece was the first in the world to feature a Tantalum case and bracelet, the small production run of the Chronomètre Furtif has been designed by François-Paul Journe to have a 42 mm case and bracelet made from Tungsten Carbide (interspersed with Tantalum elements). It is an extremely hard material (approximately 1350 Vickers and 9 on the Mohs scale, which is close to the hardness of corundums such as sapphire), obtained by combining carbon and tungsten at high temperatures; it is double the density of steel, and almost as dense as gold. Usually used for highly technical applications, it is the perfect option as, in addition to its biocompatibility and low chemical reactivity, it is highly shock-resistant and practically indestructible.

### **A Dense, Time-Resistant Case\_**

For the design of each of the elements which make up the exterior of this 42 mm timepiece, which is just 9.3 mm thick, the Manufacture was able to rely on the expertise of Les Boîtiers de Genève, a specialist entity owned by F.P.Journe, integrated since 2012, and with workshops located in Meyrin on the outskirts of Geneva.

Perfect mastery of the machining process was essential for tackling a project as audacious as this, as the work is wholly unlike turning components made from steel, titanium or even tantalum, which itself is highly complex to work due to its inherent properties. This is the metal the Manufacture employed for the one-off “Chronomètre Furtif Bleu” piece.

Creating the entire exterior from Tungsten Carbide required access to the latest generation of tooling. Les Boîtiers de Genève boasts a cutting-edge machine park, used to the best of its capacities through complex and innovative processes, allowing them to push the limits of engineering in terms of machining and finishes. As François-Paul Journe explained when speaking about this new timepiece: *“I designed the case and we worked with the Manufacture’s design office on its general internal and external dimensions with a view to integrating the calibre.”* Then, the engineers and machinists working for Les Boîtiers de Genève, to whom F.P.Journe gives great latitude, were responsible for reworking the entire case middle. They were in charge of the sand-blasted and polished finishes. The same process obviously applied to the bracelet that these specialists developed from the model designed by the F.P.Journe Manufacture’s founder. Thanks to their mastery in working demanding metals, these ultra-specialist craftsmen have successfully overcome the challenge of designing a flat three-row link, also made entirely from Tungsten Carbide.



### **A Dial Rising from the Flames\_**

In order to do justice to this exceptional casing, F.P.Journe opted to bestow this new watch with a mirror-polished anthracite grey Grand Feu enamel on white Gold dial, designed in the same spirit as the one adorning the unique piece sold at the Only Watch 2024 auction. This fired disc reflects the expertise and creativity possessed by the artists working within Les Cadraniers de Genève, a hub of expert craftsmen owned by F.P.Journe, which shares its building and cutting-edge technology with Les Boîtiers de Genève.

In the workshops, the combined technical and artistic skills allow the level of aesthetic perfection required for such a timekeeping instrument to be achieved. It can be found in all stages of production, from the different layers of powdered enamel to the polishing, separated by numerous firing stages in a kiln heated to over 800°C (1472°F).

These high-risk operations are managed perfectly, but this does not prevent accidents from occasionally happening during production. The colour may not be strictly uniform due to unwanted movements of air in the kiln. The disc may suffer a tiny deformation if the counter enamel is not applied uniformly or is not thick enough. The vitrified surface may crack during the final polishing, or shatter if cooled too quickly once the dial is removed from the kiln, or because of an impurity in the material. Once the inspection of the discs which have passed through these complex trials is complete, their numerals and discreet minute tracks are engraved with a laser. These are elements that only the owners of this watch will be able to see by altering the angle of the dial against the light.

Then, the understated elongated teardrop hands are attached; these are tinted in a very similar colour to the dial so that they appear to melt into its anthracite grey enamel surface. Lastly, running over the top of these two indicators, a long and lightweight second hand is meticulously driven in, here tinted white so that it forms an ultra-graphic point that draws the eye.



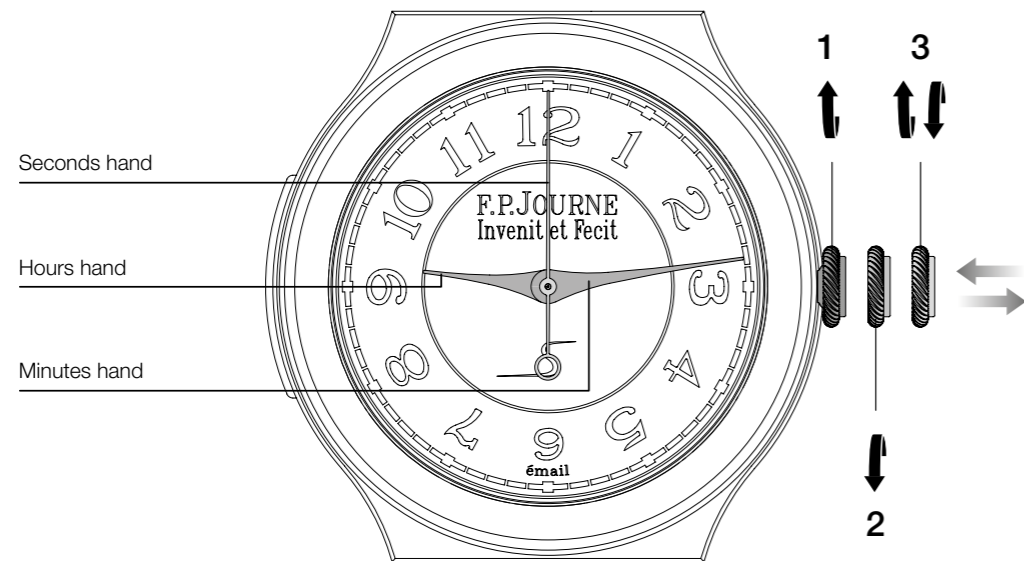
### **A Calibre Which Goes Straight to the Essential\_**

This coherent whole, with its retro yet contemporary design, houses the Calibre 1522. It is a new hand-wound mechanical movement in 18K rose Gold measuring 33.50 mm in diameter and 5.90 mm thick. Developed in-house by F.P.Journe, it displays the hours and minutes but also the central seconds thanks to a central second hand driven directly into the axis of the dedicated wheel.

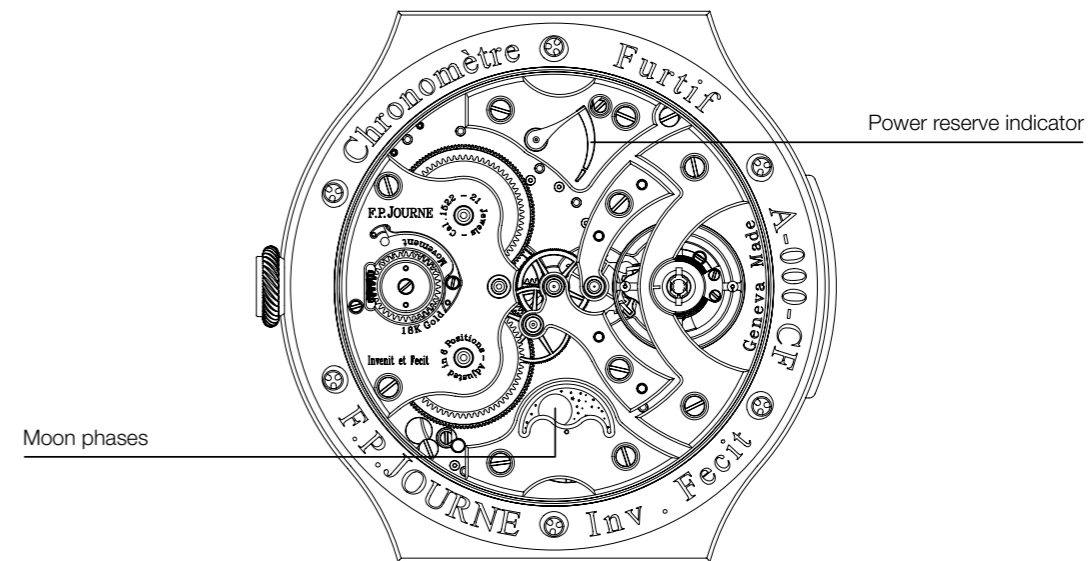
This movement has an in-line geartrain: a real first for F.P.Journe. With its 197 components, the Calibre 1522 has a regulating organ equipped with a 15-tooth escapement wheel, a straight-line anchor and a balance with four inertia blocks and a micro-flamed flat Anachron balance spring oscillating at 3 Hertz, or 21'600 vibrations per hour.

Placed horizontally on the 3-9 o'clock axis, in the centre of the round 18K rose Gold main plate finished in line with the highest standards of Haute Horology, it is framed by two useful indicators which complete the free space here. At 12 o'clock sits the power reserve indicator with two barrels mounted in parallel and which, once wound, guarantee 56 hours of operation with chronometric tolerances. The crown used to wind them also allows the time to be set, and, when pulled out to the second position, it is also used to set our natural satellite which is realistically depicted in the moon phase window at 6 o'clock.

Understated, accurate, and time-resistant, the Chronomètre Furtif is going straight to the essential, it is a timekeeping instrument designed and realised with strict respect for tradition, but with one eye firmly on the future of Haute Horlogerie.



1. Winding turn clockwise.
2. Moon setting turn anti-clockwise.
3. Time setting in both directions.



- Warning**  
No moon setting between 11 am and 1 pm, and between 11 pm and 1 am.
- Important!**  
Push the crown back in position 1 for the watch to work.



## Technical Specifications

### Movement

Calibre 1522 in 18K rose Gold  
Manual winding, 38 turns of the crown

### Dimensions of the movement

Overall diameter:	33.50 mm
Overall height:	5.90 mm
Height of winding system:	2.20 mm
Diameter of stem thread:	S0.90 mm

### Balance

Balance with 4 inertia weights	
Flat Anachron microflamed spring	
Mobile stud holder	
Free-sprung balance	
Nivatronic laser-welded to the collet	
Pinned GE stud	
Frequency:	21,600 v/h, (3Hz)
Inertia:	10.10 mg*cm <sup>2</sup>
Angle of lift:	52°
Amplitude:	0 h dial up: 320° 24 h dial up: 280°

### Main Characteristics

Time setting in position 3 and moon in position 2 of the crown

### Escapement

Linear lever escapement, 15 teeth

### Indications

Dial: hours, minutes and central direct seconds  
Back: moon phase at 6 o'clock and power reserve at 12 o'clock

### Dial

Mirror-polished anthracite grey Grand Feu enamel  
on white Gold with frosted numerals  
Matte Steel hour and minute hands  
White color Steel seconds hand

### Autonomy

56 ± 2 hours

### Finishing

Mainplate with circular graining and barleycorn decoration  
Bridges bevelled, circular grained, with Côtes de Genève  
Steel mirror-polished, bevelled, satin finished, or circular grained,  
depending on the component  
Polished screw heads with chamfered slots  
Pegs with polished rounded ends

### Case

Diameter:	42 mm
Total height:	9.30 mm
Tungsten Carbide	
Caseback, bumper, bezel ring and crown in Tantalum	
Finishing: sandblasted case and bezel, polished caseback, bumper, bezel ring and crown	

### Bracelet

3-row flat-link  
Tungsten Carbide  
Finishing: sandblasted with polished chamfers  
Folding clasp in Titanium with polished Tantalum cap

### Number of parts

Movement without dial:	197
Cased up with bracelet:	422
Jewels:	21

## Service\_

Your F.P.Journe watch should be serviced once every 4 years to maintain its precision.

## Important\_

Keep carefully the original invoice supplied with your watch. Your authorised **F.P.Journe** point of sale will need this invoice for any after sales servicing. For all maintenance or repair, your watch must be entrusted to an appointed **F.P.Journe** point of sale.

## Warranty\_

Your watch is covered by a warranty against any manufacturing flaws for a period of 2 years as of the date of purchase appearing on the invoice. The warranty is valid only upon presentation of the invoice, bearing the serial number, date of purchase, registered business name and address of the point of sale. The warranty does not cover normal wear or damage resulting from abnormal use of the watch, accidents or alterations.

## Warranty extension\_

If your watch was purchased at an **F.P.Journe** Boutique, it is automatically covered by a 3-year warranty starting from the date of purchase appearing on the invoice. If your watch was purchased at an authorised retailer, we kindly invite you to register on <https://www.fpjourne.com/en/warranty> during the 30 days following the date of purchase to benefit from an additional year of warranty.

