



RESSENCE TYPE 3 - A CONTEMPORARY VISION OF HAUTE HORLOGERIE

Winner of the Horological Revelation award at the Grand Prix d'Horlogerie de Genève in 2013, the TYPE 3 best represents RESSENCE's fine-watchmaking philosophy - a balance of technological innovation, mechanical complexity and timeless design. The TYPE 3 represents an intellectual approach born of the key tenets of industrial design and aiming towards the deconstruction of the traditional watch. This approach is characterised by the elimination of both standard watch hands and crown - the entire case back is used to wind and set the mechanism - the minimization of the case (2mm thick) and the maximization of legibility thanks to oil-filled technology. For 2016 RESSENCE offers a new version of this iconic model with a deep blue dial. The colour of the night sky is a nod towards its distinctive display comprising several discs - rotating like moons in orbit around a planet.

A PIONEERING INNOVATION - ROCS

The TYPE 3 builds on the unique patented complication RESSENCE introduced in 2010 with its ZERO SERIES. The ROCS, or Resence Orbital Convex System, initiated a new, more intuitive way of reading the time without the use of traditional hands. Rather sub-dial discs continually revolve, as does the main disc into which they are set. They are an integral part of the curved dial and their graphs appear to be projected onto the top crystal as if onto a screen.

The ROCS employs a specially modified automatic caliber that gives the minutes, and hence the base calculation of time, from which is extrapolated all the other temporal indications. The TYPE 3 is fitted with the most advanced version of ROCS to date amounting to a six-part display complication: hours, minutes, runner, day of the week, date and oil temperature. It comprises 215 parts, including 44 gears and 47 jewels. All components, except the wheels, are made from grade 5 titanium. This ensures extreme durability and lightness - in all the TYPE 3 weighs just 79 grams - while also protecting the movement from the negative effects of magnetism.

A WORLD FIRST - THE OIL-FILLED TECHNOLOGY

RESSENCE introduced its oil-filled technology with the TYPE 3, a true world first in mechanical horology. The entire upper half is filled with 35.7 ml of oil to obtain a never-before-seen visual effect – as if the dial was seen through a drop of water. One result is superior legibility. Refraction typically distorts perception. Here, because oil and glass share very similar responses to refraction, the eye is tricked into momentarily losing its depth perception. The result is that the watch's dial seems ever closer, vision of it apparently unimpeded by glass at all.

TYPE 3 cleverly compensates for the fact that the oil's volume in the watch will fluctuate with temperature. The watch is therefore fitted with a system of seven small bellows. These compress when, with rising temperature, the oil volume increases, or expand if the temperature drops and the volume decreases - the result perfectly stabilises the fit of the oil within the watch. The system is indirectly connected to the oil temperature gauge on the dial - so the TYPE 3 owner can see a representation of the bellows capacity in action.



A GROUND-BREAKING SOLUTION - THE MAGNETIC TRANSMISSION

As the ROCS is physically separated from the rest of the watch - because it is suspended in oil - RESSENCE developed a unique magnetic transmission. Several micro magnets, connected to each other, are positioned inside the oil-filled upper half and the dry lower half. That way the minute information can be transmitted from the specially modified caliber to the ROCS even if the magnets are separated by a titanium grade 5 membrane. The use of super conductors and the provision of a shield fully protect this clever system from any negative effects of magnetism.

AN ERGONOMIC CONSTRUCTION - THE DOUBLE CONVEX SAPPHIRE GLASS CASE

The TYPE 3's case comprises not one but two curved sapphire crystal glasses connected by a 2mm wide grade 5 titanium band. As a consequence of this curvature, the watch sits only on the middle of the wrist which, together with the watch's lightweight character, ensures great comfort for the wearer. Characteristic of RESSENCE design, the lack of a crown also contributes to this exemplary ease of wear. The entire sapphire case-back fulfils the winding and setting functions of the crown.

TYPE 3N is a blue dial limited edition of 50 pieces.

The current collection includes three versions:

- TYPE 3B - titanium black dial, polished titanium case
- TYPE 3BB "All Black" - titanium black dial, black DLC titanium case
- TYPE 3S - sandblasted titanium dial, polished titanium case

The RESSENCE TYPE 3 offers a new vision of haute horlogerie - innovation first, free of technical or aesthetic limitations.



FUNCTIONS

Hours
Minutes
Runner (360 Seconds)
Week days
Date
Oil Temperature

MOVEMENT

Patented ROCS 3 - Resence Orbital Convex System - driven by the minute axle of a specially customised 2824/2 calibre
Caseback winding and time setting
Magnetic Transmission
Compensating Bellow System for the oil (7 Bellows)
Self-winding
36 hours power reserve
28,800 vibrations per hour
47 jewels
44 gears

DIAL

Convex grade 5 titanium dial (125mm radius) with 4 eccentric biaxial satellites inclined at 3° (hours), 4.75° (week days and thermal gauge) and 6.25° (runner)
Engraved indications filled with Superluminova

CASE

Grade 5 titanium
Two separate sealed chambers with the upper one filled with 35.7 ml of oil
Domed sapphire crystals top and bottom with both sides anti-reflective coating
44mm (diameter) x 15 mm (thickness)
3 ATM water-resistance

BUCKLE & STRAP

Ardillon Buckle in grade 5 titanium
Strap (22/22mm)

TOTAL COMPONENTS: 376

PRICES

TYPE 3N : 37.500 EUR (20% VAT included)
TYPE 3B, BB & S: 36.500 EUR (20% VAT included)