



The twin turbines of the UR-202 are coupled with the winding rotor and function as 'shock absorbers' depending on the mode chosen. There are three modes: Standard mode for normal activity (free-spinning turbines), Sport mode for vigorous activity (the air pressure generated by the turbines reduce the winding rate by approximately 35%, and Extreme mode whereby the turbines and rotors are fully blocked

## URWERK UR-202

INTRODUCED IN 2008

### FEATURES:

- CALIBRE UR-202 AUTOMATIC MOVEMENT (TWIN TURBINE REGULATION)
- PATENTED REVOLVING SATELLITE COMPLICATION WITH INTEGRAL TELESCOPIC MINUTE HANDS
- MOON PHASE DISPLAY
- DAY/NIGHT INDICATION
- ARCAP P40 DIAL, SUPERLUMINOVA-TREATED HOUR AND MINUTE MARKERS
- 45.6MM BY 43.5MM BY 15MM MICRO-BLASTED, SATIN-FINISHED CASE IN EITHER WHITE GOLD, RED GOLD, BLACK PE-CVD PLATINUM AND ALTiN
- CASE BACK IN TITANIUM

# AIR SUPPLY

IN ADDITION TO THE INTRIGUING REVOLVING SATELLITE COMPLICATION, URWERK NOW HAS A INNOVATIVE WINDING SYSTEM THAT IS ACTUALLY REGULATED BY COMPRESSED AIR. HERE'S HOW IT WORKS.

In the Urwerk UR-202, the traditional rotating vanes have been replaced by miniature twin turbines or air compressors – seen on the case back, practically spinning freely most of the time. What the good people at Urwerk have done is to use air friction and “refined it to control the rate of automatic winding”.

The twin turbines are coupled with the winding rotor and also function as 'shock absorbers'; what happens is that the twin turbines “cushion sharp movements of the rotor”, thereby reducing wear and prolonging the lifespan of the movement.

On the case back, choose the type of 'winding mode' depending on the activity you will be engaged in; there are three modes available for selection found on the case back: standard, sport and extreme.

Under normal situations, the standard mode is chosen and the turbines spin freely. However, during rigorous

activity, the sport mode should be chosen and the winding rate is reduced by around 35%. The extreme mode should be opted for when engaging in lots of high-impact or aggressive movement activities as the turbines and rotor will be fully blocked.

The turbine system is sealed in the water-resistant case. Air flows from under the turbines and is channeled past them under a sapphire plate and down through holes leading to a tiny air chamber.

The three-position selector switch adjusts the level of air compression generated by the turbines (depending on the mode chosen) through the regulation of air flow from inside the case. The spinning turbines force air through holes into a tiny air chamber and the selector switch controls the amount of air escaping from the turbines. Through the restriction of airflow for instance, the air pressure increases and slows down the turbines and winding rotor. [Source: Urwerk.] 