



EK-Quantum Kinetic TBE 160 VTX PWM D-RGB - Acetal

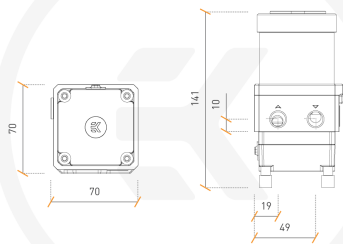
\$215.99

Product Images





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TOP VIEW, SIDE VIEW

Short Description

EK-Quantum Kinetic TBE 160 VTX PWM D-RGB combo unit is the new pump-reservoir assembly that is based upon a new VTX pump that is DDC mount compatible.

Description

Details

EK-Quantum Kinetic TBE 160 VTX PWM D-RGB combo unit is the new pump-reservoir assembly that is based upon a new VTX pump that is DDC mount compatible. The new Kinetic combo units are part of the EK Quantum Line of products and come with sophisticated addressable D-RGB lighting implementation and a new VTX pump that has a small footprint, high performance, and requires no additional cooling! The reservoir is equipped with a total of six G1/4" ports so that users can choose the most optimal setup for their liquid cooling loops.

The cast acrylic top features three G1/4" ports. One of the ports can be used with the included nickel-plated brass internal tube, which helps prevent the splashing of the coolant inside the reservoir if the top is to be used as an inlet. This reduces the chances of air being sucked in by the pump and foaming of the coolant as well. This tube cannot be used with anti-vortex insert due to size constraints. Any of the three top ports can also use used for filling the system or adding additional accessories (thermal probes, LEDs, etc.)



Features

Another three industry-standard G1/4" ports are available in the bottom combo housing which is also made of CNC machined cast acrylic. Aside from the in and out ports, it features a side port usable as either an optional inlet or a drain port. Mounting is done through 4 pillars on the bottom of the pump-reservoir combo unit. The addressable LEDs are placed in a ring directed toward the coolant. Any unwanted hot-spots of the D-RGB LED of the combo unit is covered by a CNC machined aluminum piece.

The 60mm diameter tube is made of high-quality cast acrylic material, while the reservoir bottom/pump top

is CNC machined glass-like cast acrylic material. The sealing is performed by a quality EPDM o-ring.

For its small footprint, the VTX pump itself offers great hydraulic characteristics with flow rates up to 1100L/h with a maximum head pressure of 5.3m. The VTX is not equipped with a heatsink since the efficient pump motor doesn't require additional external cooling.

The integrated addressable D-RGB is compatible with popular RGB sync technologies from all major motherboard manufacturers. The arrow marking on the 3-pin LED connector is to be aligned with the +5V marking on the D-RGB header.

This reservoir can be easily upgraded with [longer acrylic tubes](#) used by EK-RES X3 series reservoirs.

Specifications

Pump electrical and mechanical properties:

- Motor: Electronically commuted spherical motor
- Rated voltage: 12V DC
- Power consumption: 18W
- Maximum pressure head: 5.3m
- Maximum flow: 1100L/h
- Maximum system temperature: 60°C
- Materials: NORLY GFN2, EPDM O-rings, Copper Coils, Stainless Steel Shaft, Graphite Bushing
- Power connector: 4-Pin Molex and 4-Pin PWM FAN connector

Technical specifications:

- Reservoir diameter 60mm
- Reservoir free volume: ~205mL
- Overall unit height: 160mm
- Mounting hole pattern: 50x50mm
- D-RGB connector standard 3-pin (5+, Digital, Blocked, Ground)

Operational regime:

- PWM duty cycle: ~ 11-100%
- Default behavior: Runs at 100% duty cycle when no PWM feedback signal is present

Enclosed:

- EK-Quantum Kinetic TBE 160 VTX PWM D-RGB
- Mounting mechanism
- Installation manual

Made in Slovenia - EU!

Pump motor made in Hungary - EU!

PLEASE NOTE:

- The VTX pump is water lubricated and it must not be run dry; otherwise, permanent bearing damage can occur.
- This product should NOT be installed with any aluminum [Fluid Gaming](#) parts!

Additional Info

	G1/4
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Additional Information

Brand	EK Waterblocks
SKU	EK-KIN-TBE-160-VTX-DRGB-AC
Weight	2.0000
Color	Clear
Reservoir Type	Tube Res
Tube Res Length	160mm
Pump Type	VTX pump
Vendor SKU/EAN	3831109825327

