

VORTEX MIXERS/SHAKERS

Vortex mixers are suitable for mixing substances in any shape or size of test tube thanks to the orbital movement of the rubber cup **manual, continuous or IR sensor operating modes** in order to meet the multiple needs of every laboratory with **high safety standards**. VELP Scientifica is the first company in the world to manufacture and market the unique and **patented INFRARED vortex mixer** which uses a **special IR sensor system** to activate vibration **without the need to apply pressure**. The ergonomic and highly innovative design along with the zinc base ensure an **excellent stability** on the bench, usable on many surfaces.

RX3

The **RX3** is a **modern basic vortex mixer** that runs at a **single, fixed stirring speed in touch mode**.

RX3, a long-lasting mixer for basic mixing requirements.

Electronic speed regulation: constant, 3000 rpm
Operating mode: touch

INSTRUMENT	POWER SUPPLY	CODE No
RX3	100÷240 V / 50-60 Hz	F202A0171



ZX3

The **ZX3** is a **modern and universal vortex mixer with variable stirring speed** and two operating modes, **touch or continuous**. The **best-seller ZX3** offers an **excellent flexibility**, thanks to the **broad range of accessories**.

Incredibly adjustable and long-lasting, ZX3 offers **the highest performance for an excellent mixing**.

Electronic speed regulation: up to 3000 rpm
Operating modes: touch, continuous

INSTRUMENT	POWER SUPPLY	CODE No
ZX3	100÷240 V / 50-60 Hz	F202A0176



ZX4

PATENTED

The **ZX4** is an **advanced vortex mixer with adjustable stirring speed** and two operating modes, **sensor or continuous**. Thanks to the revolutionary IR sensor mode, an **infrared system (IR) detects the presence of the test tube** and the vortex mixer automatically starts vibrating! **No press, No stress!**

Thanks to a **broad range of accessories**, ZX4 is ideal for many applications including mixing of many kind of tubes/containers. **Incredibly versatile, long-lasting and unique**, ZX4 offers **the highest performance for an excellent mixing**.

Electronic speed regulation: up to 3000 rpm
Operating modes: IR sensor, continuous

INSTRUMENT	POWER SUPPLY	CODE No
ZX4	100÷240 V / 50-60 HZ	F202A0280
ZX4 - Package	80÷260 V / 50-60 Hz	SA202A0280*

* A00000012, A00000013, A00000016 included



The **TX4** is a **digital vortex mixer** with **adjustable stirring speed** and two operating modes, **sensor or continuous**, for an outstanding repeatability. Thanks to the revolutionary IR sensor mode, **an infrared system (IR)** detects the presence of the test tube and the vortex mixer automatically starts vibrating! **No press, No stress!**

Thanks to the **timer**, the user can set the operating time. The **bright display** constantly shows the most important info and ensures a **simple setting** of different parameters, such as time and speed.

Thanks to a **broad range of accessories**, TX4 is ideal for many applications including mixing of many kind of tubes/containers. **Incredibly adjustable, long-lasting and unique**, TX4 offers the **highest performance for an excellent and precise mixing**. TX4, **the state of the art vortex mixer**.

Electronic speed regulation: up to 3000 rpm
Operating modes: IR sensor, continuous

INSTRUMENT	POWER SUPPLY	CODE No
TX4	100÷240 V / 50-60 Hz	F202A0270



A0000012
ZX3, ZX4, TX4

A0000013
ZX3, ZX4, TX4

A0000014
ZX3, ZX4, TX4

A0000015
ZX3, ZX4, TX4

A0000016
for all the models

A0000017
ZX3

A0000019
ZX3, ZX4, TX4

CLASSIC

The **CLASSIC** offers the ideal solution for different mixing requirements and combines the **highest performance** ratings in terms of speed with **excellent reliability** and **safety**.

The two operating modes, the possibility to change the vibration frequency and a wide range of accessories makes this laboratory mixer the ideal solution for a large variety of needs.

Touch mode - mixing starts when a small amount of pressure is applied to the rubber cup.

Continuous mode - a wide range of accessories are available for use in continuous mode making CLASSIC the ideal solution for a large variety of needs.

A dedicated selector switch ensures maximum stability of the vortex mixer for the operating mode selected. Its advanced performance places this laboratory mixer at the high-end of the market.

Electronic speed regulation: from 0 to 3000 rpm
Operating modes: touch, continuous

INSTRUMENT	POWER SUPPLY	CODE No
CLASSIC	100÷240 V / 50-60 Hz	F202A0173



The **WIZARD** represents a **technological innovation** in the evolutionary process of vortex mixers. Optical technology provides an innovative operating mode that is **absolutely unique** on the laboratory mixer market.

Thanks to the **revolutionary IR sensor mode**, an infrared system (IR) detects the presence of the test tube and the instrument automatically starts vibrating!

The Wizard features a **highly innovative and ergonomic design** which, combined with the special materials used, ensures **high stability** and **increased user-comfort**. The instrument offers two operating modes as well as the possibility to regulate the speed of vibration:

Sensor mode - an infrared system automatically activates the vortex mixer so the laboratory technician does not have to apply any pressure!

Continuous mode - continuous operating mode that can be used with a wide range of accessories.

Electronic speed regulation: from 0 to 3000 rpm

Operating modes: continuous, IR sensor

INSTRUMENT	POWER SUPPLY	CODE No
WIZARD	100÷240 V / 50-60 Hz	F202A0175



A00000012 CLASSIC, WIZARD	A00000013 CLASSIC, WIZARD	A00000014 CLASSIC, WIZARD	A00000015 CLASSIC, WIZARD	A00000016 CLASSIC, WIZARD	A00000017 CLASSIC	A00000019 CLASSIC, WIZARD

	STIRRING SPEED rpm	ORBITAL DIAMETER mm	OPERATING MODE Touch	OPERATING MODE Continuous	OPERATING MODE IR Sensor	DIGITAL DISPLAY, TIMER	PROTECTION RATING CEI EN 60529	SUPPORT SYSTEM	DIMENSIONS (WxHxD) mm (in)	WEIGHT Kg (lb)	POWER SUPPLY	POWER
RX3	3000	4,5	•				IP 42	4 anti-sliding feet	150x130x165 (5.9x5.1x6.5)	2.7 (5.9)	100÷240 V	15 W
ZX3	0÷3000	4,5	•	•			IP 42	4 anti-sliding feet	150x130x165 (5.9x5.1x6.5)	2.7 (5.9)	100÷240 V	15 W
ZX4	0÷3000	4,5		•	•		IP 42	4 anti-sliding feet	150x130x165 (5.9x5.1x6.5)	2.7 (5.9)	100÷240 V	15 W
TX4	0÷3000	4,5		•	•	•	IP 42	4 anti-sliding feet	150x130x165 (5.9x5.1x6.5)	2.7 (5.9)	100÷240 V	15 W
CLASSIC	0÷3000	4,5	•	•			IP 42	3 anti-sliding feet	180x70x220 (7.1x2.8x8.7)	2.2 (4.9)	100÷240 V	15 W
WIZARD	0÷3000	4,5		•	•		IP 42	3 anti-sliding feet	180x70x220 (7.1x2.8x8.7)	2.2 (4.9)	100÷240 V	15 W

RX3, ZX3, ZX4, TX4, CLASSIC, WIZARD ACCESSORIES

INTERCHANGEABLE PLUG	CODE No
UK plug	10003084
Australian plug	10003085

OPTIONAL ACCESSORIES	CODE No
Foam stand for 19 microvials Eppendorf, 1,5 ml	A00000012 *
Customizable soft foam top	A00000013 *
Foam stand for 5 test tubes Ø 16 mm	A00000014 *
Foam stand for microtiter	A00000015 *
Foam stand for 4 tubes Ø 29 mm	A00000019 *
Small rubber supporting plate Ø 50 mm	A00000016 **
Rubber supporting plate Ø 94 mm	A00000017 ***

* for ZX3, ZX4, TX4, CLASSIC and WIZARD
 ** for RX3, ZX3, ZX4, TX4, CLASSIC and WIZARD
 *** for ZX3 and CLASSIC