



QAQC LAB

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W.S. TYLER RO-TAP®



MODEL RX-29
SERIAL 12977
115 VOLTS @ 60 Hz, 4.4 AMPS
YEAR OF MANUFACTURE 2018
W.S. Tyler
Mentor, OH, USA
www.wst Tyler.com



RO-TAP

QAQC LAB 589 Rappahannock Drive White Stone Va 22578 TEL (804) 318-3686

RO-TAP® RX-29 AND RX-30 MODELS

The industry standard in test sieve shakers, the original W.S. Tyler Ro-Tap® has a unique two-dimensional operation: a horizontal, circular motion, and a vertical tapping motion. This special action allows material particles to stratify and “seek” critical openings in the test media. This unit provides the most accurate and consistent particle analysis testing and requires minimal maintenance. The RX-29 is designed for testing with 8-inch diameter test sieves. The RX-30 model is designed for testing with 12 in. diameter test sieves. Each unit is test run and serialized prior to shipment and features a 99-minute digital timer/clock with a tolerance of .1 seconds.



QUICK QUOTE

Number of Sieves		
Model	Full Height	Half Height
RX-29 (8 in. or 200 mm diameter)	6 sieves with full height pan	13 sieves with half height pan
RX-30 (12 in. or 300 mm diameter)	4 sieves with full height pan	8 sieves with half height pan
RX-30 (12 in. or 300 mm diameter)	6 sieves with half height pan	8 sieves with half height pan

At 1725 RPM, 60 Cycle Current	
Description	Part #
115v (8 in. test sieve)	610 RX29
230v (8 in. test sieve)	610 RX2916
115v (12 in. test sieve)	610 RX30
230v (12 in. test sieve)	610 RX3016

At 1425 RPM, 50 Cycle Current	
Description	Part #
115v (8 in. test sieve)	610 RX292
230v (8 in. test sieve)	610 RX2910
115v (12 in. test sieve)	610 RX302
230v (12 in. test sieve)	610 RX3010

Specifications	
Oscillations per Minute	278 ± 10
Oscillations Displacement	1-1/8 in. x 7/16 in.
Taps per Minute	150 ± 10
Dimensions	28 in. wide x 21 in. deep x 25 in. high (71 cm x 54 cm x 64 cm)
Weight	180 lbs. (82 kg)
Testing Applications	RX-29: 2 in. through US #635 mesh (20 µm) RX-30: 4 in. through US #500 mesh (25 µm)

RO-TAP® RX-94 MODEL

The RX-94 Test Sieve Shaker utilizes the same traditional design as the RX-29 model. In addition, the unit features a cavity that allows for two "stacks" of 8 in. or 200 mm diameter test sieves. This allows for twice the processing capacity in nominally the same time required to complete one test. The RX-94 model is designed for use with 8 in. or 200 mm diameter test sieves only and feature a newly designed easy lock clamping system. Each unit is test run and serialized prior to shipment and features a 99-minute digital timer with a tolerance of .1 seconds.



QUICK QUOTE

Model	Number of Sieves	
	Full Height	Half Height
RX-94 (8 in. or 200 mm diameter)	2 stacks of 6 sieves with	2 stacks of 13 sieves with half height pan

Description	Part #
115v 60Hz current	610 RX94
230v 60Hz current	610 RX941
115v 50Hz current	610 RX942
230v 50Hz current	610 RX943

Specifications	
Oscillations per Minute	278 ± 10
Oscillations Displacement	1 – 1/8 in. x 7/16 in.
Taps Per Minute	150 ± 10
Dimensions	30 in. wide x 27 deep x 26 in. high (75 cm x 68 cm x 56 cm)
Weight	220 lbs. (110 kg)
Testing Applications	2 in. through US #635 mesh (20 µm)

All models are wired with single phase current
Test sieves are sold separately

RO-TAP® E SIEVE SHAKERS



RO-TAP E PURE



RO-TAP E PREMIUM



RO-TAP E PREMIUM REMOTE

The newly designed test sieve shaker stands out with its simple and quick operation. Two specific regulated amplitudes for coarse or fine material can be selected by the user. Sieving begins immediately once the timer is set and an amplitude has been selected. The Ro-Tap E is recommended as a basic machine for standard sieve analysis.

The Ro-Tap E Premium unit is one of two new W.S. Tyler Sieve Shaker offerings. This machine is our most quiet design ever with the improved dampening system. The control panel allows users to self select the amplitude and interval of the sieving motions.

The extra large display offers operators an excellent overview of the settings and is user-friendly. The new Ro-Tap E Premium unit is ideally suited for users who demand precision and reproducible sieve analysis.

The Ro-Tap E Premium Remote offers a separate control unit for wet sieve analysis. The design and function of the lid has been specifically developed for tests where water needs to be used to assist in the particle separation. The wide-spreading spray diffuser is integrated into the cover, offering improved handling. The cover includes an inspection glass which allows observation during the sieving process.

QUICK QUOTE

Model Name	Amplitude	Diameter Sieves	Wet Testing	Part #
E Pure	Fine and Coarse	8 in. or 200 mm	N	610 RX29E
E Premium	Adjustable up to 3 mm	8 in. or 200 mm	N	610 RX29E Premium
E Premium Remote	Adjustable up to 3 mm	8 in. or 200 mm	Y	610 550100
EML 315	Adjustable up to 3 mm	12 in. or 300 mm	Y	610 550075

RO-TAP® RX-812 MODEL

Designed to be used in coarse testing applications, the affordable RX-812 coarse sieve shaker has the unique capability of using both 8 in. and 12 in. diameter test sieves, simply by using the quick-change adapters provided. The RX-812 has a quiet operation and utilizes an effective action that gives consistent accurate results. The RX-812 is recommended for use with test sieves 100 mesh and coarser.



QUICK QUOTE

Model	Number of Sieves	
	Full Height	Half Height
RX-812 (8 in. or 200 mm diameter)	6 sieves	13 sieves
RX-812 (12 in. or 300 mm diameter)	4 sieves	6 sieves
	4 sieves	8 sieves

Description	Part #
115v 60Hz current	610 RX812
230v 60Hz current	610 RX812-1
115v 50Hz current	610 RX8122
230v 50Hz current	610 RX8123

Specifications	
Oscillations per Minute	280 ± 10 (60 HZ), 231 ± 10 (50Hz)
Oscillations Displacement	1 – 1/8 in. x 7/16 in.
Dimensions	23 in. wide x 15 deep x 13 in. high (59 cm x 38 cm x 33 cm)
Weight	55 lbs. (25 kg)
Testing Applications	80 mesh and coarser

All models are wired with single phase current.
Test sieves are sold separately.

RO-TAP® SIEVE SHAKER MAINTENANCE

W.S. Tyler can also test the condition operation, and safety of test sieves shakers on your behalf, in our laboratory.

When tests are conducted in our factory, the units are subjected to comprehensive system diagnostics and special functionality tests on a test rig. These tests are used to determine and, if necessary, readjust the amplitude characteristics. Additionally, we assess the screening machines electrics, mechanics, and safety.

To ensure lasting dependable service Ro-Tap® Sieve Shakers must occasionally be upgraded with parts that are long-wearing, durable and cost effective. Maintenance kits are



available for the replacement of parts due to normal wear and tear. W.S. Tyler recommends the use of these kits as a means to minimize the down-time



due to minor repairs. The purchase of a minor maintenance kit is also recommended with each new Ro-Tap® Sieve Shaker.

QUICK QUOTE

Description	Includes:	Part #
Minor Maintenance Kit (RX-29, RX-30, & RX-94)	2 eccentric discs (R-10034) 1 Flange Bushing (R-10061) 1 Bearing (R-10062) 1 Cork Plug Pk. (R-10066-A) 2 Flange Bearings (R-10063)	610 10121
Major Maintenance Kit	1 Minor Maintenance Kit (10121) 1 Timing Belt (R-10058) 1 Upper Carrying Plate (R-30008) 1 Cam Gear (R-20039) 1 Timing Belt Pulley (R-30015)	610 10122
Maintenance Kit for (RX-94)	Kit Part # 10122 Without Part #R-30008	610 10123

Sieve Conversion Kit

QUICK QUOTE

Description	Part #
Ro-Tap® 12 in. diameter – 8 in. diameter test sieve kit	610 RX32
Ro-Tap® 8 in. diameter – 3 in. diameter test sieve kit	610 RX30033-1

We offer inserts for the standard Ro-Tap® to allow RX-30 to accept 8” sieves and RX-29 to accept 3” sieves.

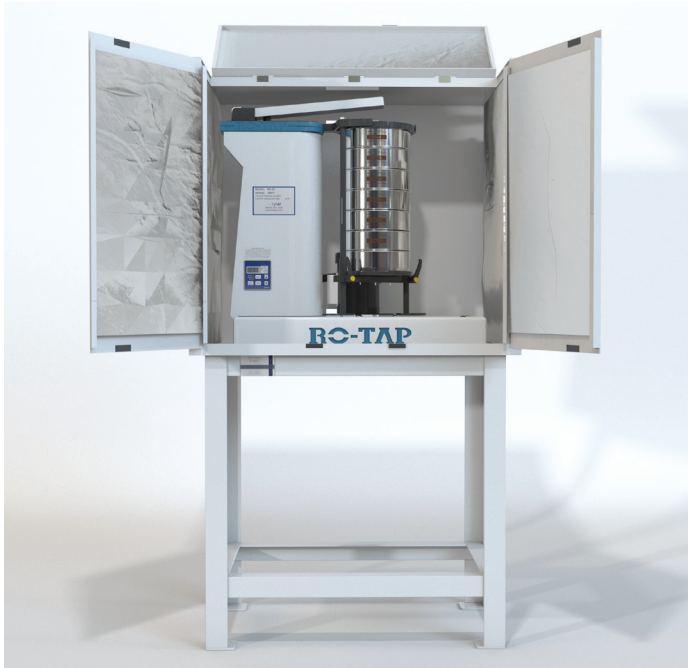
Timer Conversion

QUICK QUOTE

Description	Part #
Ro-Tap® Digital Timer Conversion Kit – 115v	R-40038
Ro-Tap® Digital Timer Conversion Kit – 230v	R-40039

To replace turn knob timers on old RX-29 and RX-30.

LAB KIT & SAMPLING SPLITTERS



SOUND ENCLOSURE

W.S. Tyler's Sound Enclosure is designed to be used exclusively with Ro-Tap Sieve Shakers. The operating noise levels are reduced from approximately 85dB to 78 dB. The cabinets are fabricated with 18 gauge steel and a 1 in. metal faced acoustic foam inner liner.

TEST STAND

Specifically designed for W.S. Tyler's RX-29, RX-30, and RX-812 Sieve Shakers, the Test Stand can be used with or without the Sound Enclosure Cabinet. The test stand is fast and easy to install while offering an attractive and sturdy construction that can be fastened to the floor or foundation.

QUICK QUOTE

Description	Dimensions	Weight	Part #
Sound Enclosure (RX-29, RX-30)	35 in. wide x 24 in. deep x 29 in. high (89 cm x 60 cm x 74 cm)	125 lbs. (57 kg)	610 R30050
Sound Enclosure (RX-94)	34 in. wide x 33 in. deep x 31 in. high (86 cm x 83 cm x 78 cm)	150 lbs. (69 kg)	610 RX99
Test Stand (RX-29, RX-30, RX-812)	20 in. wide x 32 in. high x 28 in. deep (50 cm x 81 cm x 71 cm)	65 lbs. (30 kg)	610 R40041
Cover Springs with Ball Stud (RX-99 only)	N/A	N/A	610 R10099-30