

PTR-25 360° vertical mini rotator

Compact, economy solution with simple to use controls, providing thorough mixing of samples in tubes up to 50 ml. Suitable for use in cold rooms and incubators, operating at ambient temperature range +4°C to 40°C.

- 360° vertical rotation
- Vertical rotation speed range: 5 to 30 rpm
- Timer with audible alarm and automatic switch-off
- Simple to use controls

Very easy to operate with simple controls and easy to view LCD screen

Reliable and extremely quiet motor produces regulated rotation throughout the speed range

Compact with a low profile and small footprint – fits neatly into the workspace

Low voltage cord easily fits through door gaskets, allowing use in incubators, refrigerators and workstations



PTR-25 (VWR 89402-918)
360° vertical mini rotator

Platform accommodating 22 tubes (up to 15mm diameter) is included as standard. See additional accessories on page 9.10. Platform PPRS4-12 (VWR 80076-368) shown

Digital timer with audible alarm, alerts when attention is required

- Applications:**
- Life-sciences - hybridisation reactions, cell growth, soft extraction, homogenisation of biological components in solution, binding reactions, washing of magnetic particles, preventing blood coagulation
 - Any application requiring simple end over end rotation of tubes

PTR-35 and PTR-60 360° vertical multi-function rotators

Compact and efficient variable-speed, variable-angle vertical rotators providing all the functionality – vertical rotation, reciprocation and vibration – for thorough mixing of microtubes and reproducible sample preparation. All mixing functions can be linked or used separately.

- 360° vertical rotation, reciprocation and vibration functions all in one compact product
- Choice of two models with different tube capacities
- Vertical rotation speed: 1 to 100 rpm
- Reciprocal rotation: 1 to 90° turning angle
- Vibration: programmable in a burst of 1 to 5 seconds
- Fully programmable sequence of functions, including pause
- Optional extra platforms to accommodate microplates and tubes up to 50ml see p 9.10

Very easy to operate, with simple set-up of multi-segment programs via push buttons and the 2-line LCD status display

Reliable and extremely quiet motor produces regulated and reproducible rotation throughout the speed range

Compact with a low profile and small footprint – fits neatly into the workspace

Low voltage cord easily fits through door gaskets, allowing use in incubators, refrigerators and workstations. Safe and economical running.



PTR-35 (VWR 89194-476)
360° vertical multi-function rotator

All actions – rotation, reciprocation and vibration – can be set for continuous or timed operation, or linked together in different combinations to ensure optimum mixing conditions for your application



Supplied with platform accommodating up to 26 microtubes. Maximum rotating speed of up to 100 rpm

The **PTR-60 (VWR 80076-370)** has the same functionality as the PTR-35 (VWR 89194-476) and is supplied with platform accommodating up to 48 microtubes



Applications: ■ Life-science laboratories - for hybridization reactions, cell growth, soft extraction and homogenisation of biological components in solutions, as well as for reactions of binding and washing of magnetic particles, cell suspensions, incubations, extraction procedures, gel ashing mixing capillary blood samples.

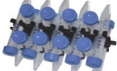
Rotators » PTR-25, PTR-35 and PTR-60 » Specifications

Grant-bio rotators – models and specifications

● = optional

		PTR-25	PTR-35	PTR-60
		360° vertical rotators	360° vertical multi-function rotators	
		 h: 175 mm d: 110 mm w: 310 mm weight: 1kg	 h: 195 mm d: 155 mm w: 365 mm weight: 1.8kg	 h: 230 mm d: 230 mm w: 420 mm weight: 3.8kg
VWR Catalog number		89402-918	89194-476	80076-370
Speed	rpm	5 to 30	1 to 100	
Turning angle (reciprocal mode)	°	–	15 to 90	
Turning angle (vibration mode)	°	–	1 to 5	
Timer, with automatic switch-off		1 min to 24 hours		
Timer (orbital/360° vertical or reciprocal mode)	sec	–	1 to 250	
Timer (vibration mode)	sec	–	1 to 5	
Pause	sec	–	1 to 5	
Microtube capacity	ø 15mm max	22	26	48
Maximum load	kg	0.5		0.8
Display		LED	2 x 16 character LCD	
Ambient temperature range	°C	4 to 40		
Input voltage	V dc	12		24
Input current	A	0.11	0.66	0.75

Accessories

VWR 89498-124 (PRS-22) replacement platform for 22 tubes up to ø 15 mm tube volumes 1.5-15 ml		●	–	–
VWR 89402-944 (PRSC-18) heavy duty tube adaptor for 18 tubes ø 14-15 mm		●	–	–
VWR 80076-368 (PPRS4-12) holds 4 x 50ml and 12 x 1.5-15ml		●	–	–
VWR 89194-480 (PRSC-10) heavy duty adaptor for 10 tubes ø 30 mm tube volumes up to 50 ml		–	●	–
VWR 89194-484 (PRSC-22) heavy duty adaptor for 22 tubes ø 15 mm tube volumes up to 15 ml		–	●	–
VWR 89194-486 (PRS-10) 10 tubes up to ø 30 mm, tube volumes up to 50 ml		–	●	–
VWR 89194-478 (PRS-26) replacement platform 26 tubes up to ø 15 mm, 1.5 -15 ml		–	●	–
VWR 89194-482 (PRS-5-12) combined platform for 5 tubes up to ø 30 mm and 12 tubes up to ø15 mm, tube volumes 50 ml/1.5-15 ml		–	●	–
VWR 89498-122 (PRS-1DP) platform for microplates, deep well plates and racks for tall tubes 0.5 and 1 ml		–	●	–
VWR 80076-374 (PRS-14) platform for 14 tubes up to ø 30 mm tube volumes up to 50 ml		–	–	●
VWR 89498-126 (PRS-48) replacement platform for 48 tubes up to ø 15 mm, tube volumes 1.5-15 ml		–	–	●
VWR 89194-488 (PRS-8-22) platform for 8 tubes up to ø 30 mm plus 22 tubes up to ø 15 mm tube volumes up to 50 mL/1.5-15 ml		–	–	●