

# Shakers

## Reciprocating Shakers

### Reciprocating Shaker, IKA HS260 basic

Quiet running and very stable in operation. Provides a reciprocal motion of 20mm amplitude. The shaking speed can be adjusted between 20 and 300 cycles/minute and a timer from 5 to 30 minutes using LED analogue display. A continuous run facility is also provided. Overall 420 x 360 x 100mm high. Overall height may vary depending upon the accessories fitted. Weight 8.5kg. Maximum loading 7.5kg. For 230V 50/60Hz single phase supplies. Requires, but does not include, accessories for operation.

**SE420-15** Reciprocating Shaker HS260 basic

### Reciprocating Shaker, IKA HS260 control

Generally as SE420-15 but with digital displays of speed from 0 to 300rpm and timer from 1 minute to 9 hours 59 minutes. Analogue and RS232 interfaces. are also provided. For 230V 50/60Hz single phase supplies. Requires, but does not include, accessories for operation.

**SE420-20** Reciprocating Shaker HS260 control

### Accessories for SE420 models only

Universal attachment comprising basic holding device, 4 tension rollers and 8 clamping pieces to hold flasks, beakers etc. Overall 425 x 335 x 135mm high.

**SE420-27** Universal attachment

Base attachment which accepts accessory clips to hold conical and volumetric flasks. Overall 330 x 330 x 24mm high.

**SE420-29** Base attachment

**Accessory Spring Clips** for base SE420-29. The clips are supplied singly.

|                 | For flasks, ml | Max. no. of units |
|-----------------|----------------|-------------------|
| <b>SE420-40</b> | 25             | 28                |
| <b>SE420-42</b> | 50             | 22                |
| <b>SE420-44</b> | 100            | 16                |
| <b>SE420-46</b> | 200/250        | 8                 |
| <b>SE420-48</b> | 500            | 8                 |

Attachment for 6 x 50ml, 5 x 100ml, 3 x 250ml or 3 x 500ml separating funnels. Overall 334 x 425 x 145mm high.

**SE420-67** Separating funnel attachment

Attachment for petri dishes and culture flasks, surface 320 x 320mm.

**SE420-72** Petri dish/flask attachment



SE420-20 in use, SE420-15 is similar

### Reciprocating Shaker IKA HS501 digital

Generally as SE420-15 but with digital display of speed 0 to 300 cycles/minute, 1 to 56 minute timer and shaking amplitude 30mm. Overall dimensions 505 x 585 x 120mm high. Overall height will vary according to the accessories fitted. Weight 26kg. Maximum loading 15kg. For 230V 50/60Hz single phase supplies. Requires, but does not include, accessories for operation.

**SE440-10** Reciprocating Shaker HS501 digital

### Accessories for SE440 only

Universal attachment comprising basic holding device, 6 tension rollers and 12 clamping pieces to hold flasks, beakers etc. Overall 480 x 500 x 120mm high.

**SE440-30** Universal attachment

Base attachment which accepts accessory clips to hold conical and volumetric flasks. Overall 475 x 460 x 95mm high.

**SE440-32** Base attachment

**Accessory Spring Clips** for base SE440-32. The clips are supplied singly.

|                 | For flasks, ml | Maximum no. of units |
|-----------------|----------------|----------------------|
| <b>SE420-40</b> | 25             | 50                   |
| <b>SE420-42</b> | 50             | 48                   |
| <b>SE420-44</b> | 100            | 25                   |
| <b>SE420-46</b> | 200/250        | 16                   |
| <b>SE420-48</b> | 500            | 12                   |

Attachment to hold 12 x 50ml, 10 x 100ml or 6 x 250ml separating funnels.

**SE440-35** Attachment

Attachment to hold 4 x 500ml, 3 x 1000ml or 2 x 2000ml separating funnels.

**SE440-37** Attachment

Attachment for petri dishes and culture flasks, 450 x 450mm (L x W).

**SE440-50** Attachment



SE440-10 with SE440-37 in use

### Reciprocating Shaker, Cole-Parmer SH-200-D-R

- ◆ Speed range 25 to 250 oscillations/minute
- ◆ Stroke length 20mm
- ◆ 1 to 999 minute timer or continuous operation
- ◆ Maximum loading 10kg

With "soft start" electronic feedback control giving smooth acceleration/deceleration, digital speed and time setting from 25 to 250 oscillations/minute and 1 to 999 minutes or continuous operation respectively. Complete with cradle-type platform 375 x 335mm (L x W) with non-slip rubber mat and four horizontal securing bars covered in soft rubber, accommodating a wide variety of vessels, dishes, slides or plates, including 8 x 500ml or 6 x 1L or 2 x 2L bottles or flasks. Overall 360 x 420 x 270mm high. Weight 11kg. For 230V 50Hz single phase supplies, 50W.

**SE450-20** Reciprocating Shaker SH-200-D-R (formerly Stuart SSL2)



SE450-20 in use