

## Horizontal Sieve Shaker AS 400 control

### General Information

The analytical sieve shaker AS 400 control is used in research & development, quality control of raw materials, interim and finished products as well as in production monitoring.

The AS 400 control is used for the sieving of dry goods with test sieves of a diameter up to 400 mm. In this, the uniform, horizontal circular motion ensures exact separation of fine and coarse-grained products.

With its all-digital controls and calibration certificate the AS 400 control is indispensable for all users who attach importance to precision and operational convenience and need to comply with the guidelines of the ISO 9001.



### Application Examples

construction materials, ground corn, plastics, sand, splints

### Product Advantages

- sieving with circular sieving motion according to DIN 53477
- excellent separation efficiency even with short sieving times
- sieve stack up to 510 mm height
- free digital adjustment of all process parameters (time, speed or sieve acceleration, interval)
- memory for up to 9 SOPs
- interval operation
- optional software EasySieve for control through RS232 serial interface, easy evaluation and documentation of results
- fulfils all criteria for measuring equipment related to ISO 9001
- maintenance-free
- easy operation, ergonomic design

### Features

Applications	separation, fractioning, particle size determination
Field of application	agriculture, biology, chemistry / plastics, construction materials, engineering / electronics, environment / recycling, food, geology / metallurgy, glass / ceramics, medicine / pharmaceuticals
Feed material	powders, bulk materials
Measuring range*	45 µm - 63 mm
Sieving motion	horizontal circular motion
Max. batch / feed capacity	5 kg
Max. number of fractions	7 / 9 / 17



## Horizontal Sieve Shaker AS 400 control

Max. mass of sieve stack	15 kg
Speed	digital, 50 - 300 min <sup>-1</sup>
Time display	digital, 1 - 99 min
Interval operation	1 - 10 min
Storable SOPs	9
Suitable for dry sieving	yes
Suitable for wet sieving	-
Serial interface	yes
Including test certificate / can be calibrated	yes
Suitable sieve diameters	100 mm / 150 mm / 200 mm / 203 mm (8") / 305 mm / 315 mm / 400 mm
Max. height of sieve stack	510 mm
Clamping devices	"standard", "comfort", each for dry sieving
Protection code	IP 54 / IP 20
Electrical supply data	100-240 V, 50/60 Hz
Power connection	1-phase
W x H x D	540 x 260 x 507 mm
Net weight	~ 70 kg
Standards	CE

### Please note:

\*depending on feed material and instrument configuration/settings

## Videolink



<http://www.retsch.com/as400control>

## Function Principle

The base plate of the AS 400 control performs horizontal circular motions with a radius of 15 mm (according to DIN 53477). The speed of 50 to 300 rpm is electronically controlled. It is continuously adjustable to meet the requirements of the product to be sieved. The actual value of the number of revolutions is digitally displayed. The base plate is driven by a robust, maintenance-free drive motor with

## Horizontal Sieve Shaker AS 400 control

a power of 125 Watt. The power is transmitted via an eccentric.

### incl. order data

## Horizontal Sieve Shaker AS 400 control

### Horizontal Sieve Shaker AS 400 control

for test sieves up to 400 mm Ø (please order clamping device, test sieves and collecting pan separately)

30.022.0001

AS 400 control, 100-240 V, 50/60 Hz, incl. test report  
acc. to EN 10204 2.2

### Clamping devices AS 400

32.662.0010

Clamping device "standard", for test sieves 400 mm Ø

32.662.0011

Clamping device "comfort", for test sieves 400 mm Ø

### Sieve stacks and accessories AS 400

60.166.000999

Sieve stack consisting of 6 test sieves (ISO 3310-1),  
400 mm Ø, 65 mm height (500 µm, 1 mm, 2 mm, 5  
mm, 10 mm, 20 mm) and collecting pan

60.167.000999

Sieve stack consisting of 6 test sieves (ASTM E11),  
400 mm Ø, 65 mm height (35 mesh, 18 mesh, 10  
mesh, 4 mesh, 3/8", 3/4") and collecting pan

03.802.0006

Transportation handles AS 400

**Click here to find our whole test sieve range**

### Accessories for clamping devices

#### Clamping lids

03.660.0006

Clamping lid without window, for test sieves  
100/150/200/203 mm Ø (only for use with threaded  
rods)

32.481.0022

Clamping lid with large window of Perspex, for test  
sieves 200/203 mm Ø

02.660.0012

Clamping lid with large window of Perspex, for test  
sieves 400 mm Ø

#### Clamping elements

32.142.0001

Clamping nuts, (2 pieces), for clamping device  
"economy" and "standard"

32.737.0001

Quick-clamping elements, (2 pieces), for clamping  
device "comfort" AS 200/300/400

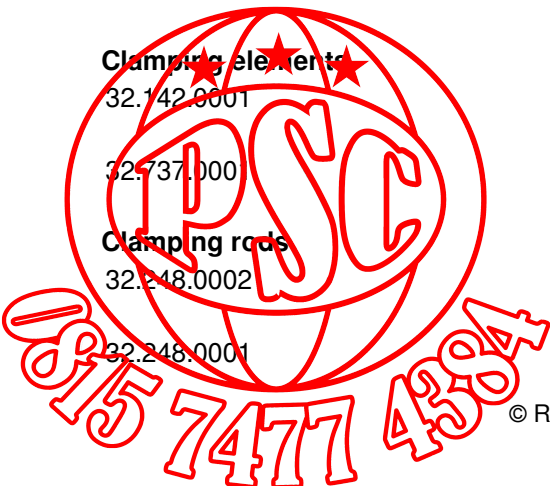
#### Clamping rods

32.248.0002

Threaded rods, (2 pieces), for clamping device  
"economy" and "standard"

32.248.0001

Threaded rods, short, (2 pieces), for clamping of max.



## Horizontal Sieve Shaker AS 400 control

32.742.0010

5 test sieves for clamping device "economy" and "standard"

Rods, smooth, (2 pieces), for clamping device "comfort" AS 300/400

### Sieving Aids

32.365.0001

Chain ring for test sieves 200 mm and 203 mm Ø to support horizontal sieving

32.050.0001

Brushes, 3 pieces

32.902.0001

Cubes of polyurethane, 12 x 12 x 12 mm, 10 pieces

32.902.0002

Cubes of polyurethane, 20 x 20 x 20 mm, 10 pieces

32.354.0001

Balls of rubber, 20 mm Ø, 5 pieces

32.354.0002

Balls of agate, 10 mm Ø, 10 pieces

32.354.0004

Balls of steatite, 6 mm Ø, 150 g

### Accessories for test sieves (pans, rings, lids)

#### For test sieves 400 mm Ø

60.010.000400

Collecting pan, stainless steel, 400 mm Ø, height 65 mm

60.220.000400

Intermediate pan, stainless steel, 400 mm Ø, height 65 mm

60.935.000400

Intermediate ring, stainless steel, 400 mm Ø, height 65 mm

69.540.0050

Sieve lid, stainless steel, 400 mm Ø

### Test Sieves ø 400 mm, 65 mm height, ISO 3310/1, stainless steel, wire gauze

#### # mm, # mesh no., ø, height, frame

60.166.000025

25 µm, 400 mm, 65 mm, stainless steel

60.166.000032

32 µm, 400 mm, 65 mm, stainless steel

60.166.000036

36 µm, 400 mm, 65 mm, stainless steel

60.166.000038

38 µm, 400 mm, 65 mm, stainless steel

60.166.000040

40 µm, 400 mm, 65 mm, stainless steel

60.166.000045

45 µm, 400 mm, 65 mm, stainless steel

60.166.000050

50 µm, 400 mm, 65 mm, stainless steel

60.166.000053

53 µm, 400 mm, 65 mm, stainless steel

60.166.000056

56 µm, 400 mm, 65 mm, stainless steel

60.166.000063

63 µm, 400 mm, 65 mm, stainless steel

60.166.000071

71 µm, 400 mm, 65 mm, stainless steel

60.166.000075

75 µm, 400 mm, 65 mm, stainless steel

60.166.000080

80 µm, 400 mm, 65 mm, stainless steel

60.166.000090

90 µm, 400 mm, 65 mm, stainless steel

## Horizontal Sieve Shaker AS 400 control

60.166.000100	100 µm, 400 mm, 65 mm, stainless steel
60.166.000106	106 µm, 400 mm, 65 mm, stainless steel
60.166.000112	112 µm, 400 mm, 65 mm, stainless steel
60.166.000125	125 µm, 400 mm, 65 mm, stainless steel
60.166.000140	140 µm, 400 mm, 65 mm, stainless steel
60.166.000150	150 µm, 400 mm, 65 mm, stainless steel
60.166.000160	160 µm, 400 mm, 65 mm, stainless steel
60.166.000180	180 µm, 400 mm, 65 mm, stainless steel
60.166.000200	200 µm, 400 mm, 65 mm, stainless steel
60.166.000212	212 µm, 400 mm, 65 mm, stainless steel
60.166.000224	224 µm, 400 mm, 65 mm, stainless steel
60.166.000250	250 µm, 400 mm, 65 mm, stainless steel
60.166.000280	280 µm, 400 mm, 65 mm, stainless steel
60.166.000300	300 µm, 400 mm, 65 mm, stainless steel
60.166.000315	315 µm, 400 mm, 65 mm, stainless steel
60.166.000355	355 µm, 400 mm, 65 mm, stainless steel
60.166.000400	400 µm, 400 mm, 65 mm, stainless steel
60.166.000425	425 µm, 400 mm, 65 mm, stainless steel
60.166.000450	450 µm, 400 mm, 65 mm, stainless steel
60.166.000500	500 µm, 400 mm, 65 mm, stainless steel
60.166.000560	560 µm, 400 mm, 65 mm, stainless steel
60.166.000600	600 µm, 400 mm, 65 mm, stainless steel
60.166.000630	630 µm, 400 mm, 65 mm, stainless steel
60.166.000710	710 µm, 400 mm, 65 mm, stainless steel
60.166.000800	800 µm, 400 mm, 65 mm, stainless steel
60.166.000850	850 µm, 400 mm, 65 mm, stainless steel
60.166.000900	900 µm, 400 mm, 65 mm, stainless steel
60.166.001000	1.00 mm, 400 mm, 65 mm, stainless steel
60.166.001120	1.12 mm, 400 mm, 65 mm, stainless steel
60.166.001180	1.18 mm, 400 mm, 65 mm, stainless steel
60.166.001250	1.25 mm, 400 mm, 65 mm, stainless steel
60.166.001400	1.40 mm, 400 mm, 65 mm, stainless steel
60.166.001600	1.60 mm, 400 mm, 65 mm, stainless steel
60.166.001700	1.70 mm, 400 mm, 65 mm, stainless steel
60.166.001800	1.80 mm, 400 mm, 65 mm, stainless steel
60.166.002000	2.00 mm, 400 mm, 65 mm, stainless steel
60.166.002240	2.24 mm, 400 mm, 65 mm, stainless steel
60.166.002360	2.36 mm, 400 mm, 65 mm, stainless steel
60.166.002500	2.50 mm, 400 mm, 65 mm, stainless steel
60.166.002800	2.80 mm, 400 mm, 65 mm, stainless steel
60.166.003150	3.15 mm, 400 mm, 65 mm, stainless steel
60.166.003350	3.35 mm, 400 mm, 65 mm, stainless steel



## Horizontal Sieve Shaker AS 400 control

60.166.003550	3.55 mm, 400 mm, 65 mm, stainless steel
60.166.004000	4.00 mm, 400 mm, 65 mm, stainless steel
60.166.004500	4.50 mm, 400 mm, 65 mm, stainless steel
60.166.004750	4.75 mm, 400 mm, 65 mm, stainless steel
60.166.005000	5.00 mm, 400 mm, 65 mm, stainless steel
60.166.005600	5.60 mm, 400 mm, 65 mm, stainless steel
60.166.006300	6.30 mm, 400 mm, 65 mm, stainless steel
60.166.006700	6.70 mm, 400 mm, 65 mm, stainless steel
60.166.007100	7.10 mm, 400 mm, 65 mm, stainless steel
60.166.008000	8.00 mm, 400 mm, 65 mm, stainless steel
60.166.009000	9.00 mm, 400 mm, 65 mm, stainless steel
60.166.009500	9.50 mm, 400 mm, 65 mm, stainless steel
60.166.010000	10.00 mm, 400 mm, 65 mm, stainless steel
60.166.011200	11.20 mm, 400 mm, 65 mm, stainless steel
60.166.012500	12.50 mm, 400 mm, 65 mm, stainless steel
60.166.013200	13.20 mm, 400 mm, 65 mm, stainless steel
60.166.014000	14.00 mm, 400 mm, 65 mm, stainless steel
60.166.016000	16.00 mm, 400 mm, 65 mm, stainless steel
60.166.018000	18.00 mm, 400 mm, 65 mm, stainless steel
60.166.019000	19.00 mm, 400 mm, 65 mm, stainless steel
60.166.020000	20.00 mm, 400 mm, 65 mm, stainless steel
60.166.022400	22.40 mm, 400 mm, 65 mm, stainless steel
60.166.025000	25.00 mm, 400 mm, 65 mm, stainless steel
60.166.026500	26.50 mm, 400 mm, 65 mm, stainless steel
60.166.028000	28.00 mm, 400 mm, 65 mm, stainless steel
60.166.031500	31.50 mm, 400 mm, 65 mm, stainless steel
60.166.035500	35.50 mm, 400 mm, 65 mm, stainless steel
60.166.037500	37.50 mm, 400 mm, 65 mm, stainless steel
60.166.040000	40.00 mm, 400 mm, 65 mm, stainless steel
60.166.045000	45.00 mm, 400 mm, 65 mm, stainless steel
60.166.050000	50.00 mm, 400 mm, 65 mm, stainless steel
60.166.053000	53.00 mm, 400 mm, 65 mm, stainless steel
60.166.056000	56.00 mm, 400 mm, 65 mm, stainless steel
60.166.063000	63.00 mm, 400 mm, 65 mm, stainless steel
60.166.071000	71.00 mm, 400 mm, 65 mm, stainless steel
60.166.075000	75.00 mm, 400 mm, 65 mm, stainless steel
60.166.080000	80.00 mm, 400 mm, 65 mm, stainless steel
60.166.090000	90.00 mm, 400 mm, 65 mm, stainless steel
60.166.100000	100.00 mm, 400 mm, 65 mm, stainless steel
60.166.106000	106.00 mm, 400 mm, 65 mm, stainless steel
60.166.112000	112.00 mm, 400 mm, 65 mm, stainless steel
60.166.125000	125.00 mm, 400 mm, 65 mm, stainless steel