

HOMOGENIZER

OV5

The **OV5** homogenizer is the ideal solution for dispersing, homogenizing, mixing and grinding biological tissue samples (cells, animal and plant tissues), pharmaceutical products, cosmetics and food products. The OV5 is characterized by a **high versatility** that makes it unique on the market. A single shaft can be combined with a wide selection of stator and rotor configurations according to the specific application for which it is to be used. **Flexible, easy-to-use, rapid and user-friendly** stator and rotor **interchangeability**: a single instrument for a wide range of uses that ensures **excellent performance** and **safety**.

The OV5 homogenizer has an **ergonomic design** for simple handling. A built-in electronic motor control offers the possibility to adjust the speed from 10,000 to **30,000 rpm**. The **soft start** prevents spillage whilst the automatic overload protection increases the life-span of the instrument.

The OV5 homogenizer has one shaft for all applications, simply configure it with the most suitable rotor and stator. The shaft ensures **high strength** and **excellent durability**. It connects easily and quickly to the drive body through a snap hook. The rotor/stator configuration can also be assembled in a few seconds and without the use of tools, consisting of a high-speed rotor with sharp blades lodged within a stationary stator with openings. The OV5 is suitable for the most diverse applications thanks to the wide range of rotor/stator configurations available.



| INSTRUMENT | POWER SUPPLY | CODE No |
|---------------|---------------|-------------|
| OV5 | 230 V / 50 Hz | R20900010 |
| OV5 - Package | 230 V / 50 Hz | SA20900010* |

* H-stand, strap clamp, bosshead clamp and VSS2CSR2 dispersing tool included



Shaft



Stator



Rotor

LEGEND

Example composition:
VSS2CSR2

VS S2C SR2

| | | |
|-------|--------|-------|
| Shaft | Stator | Rotor |
| VS | VS2C | VSR2 |

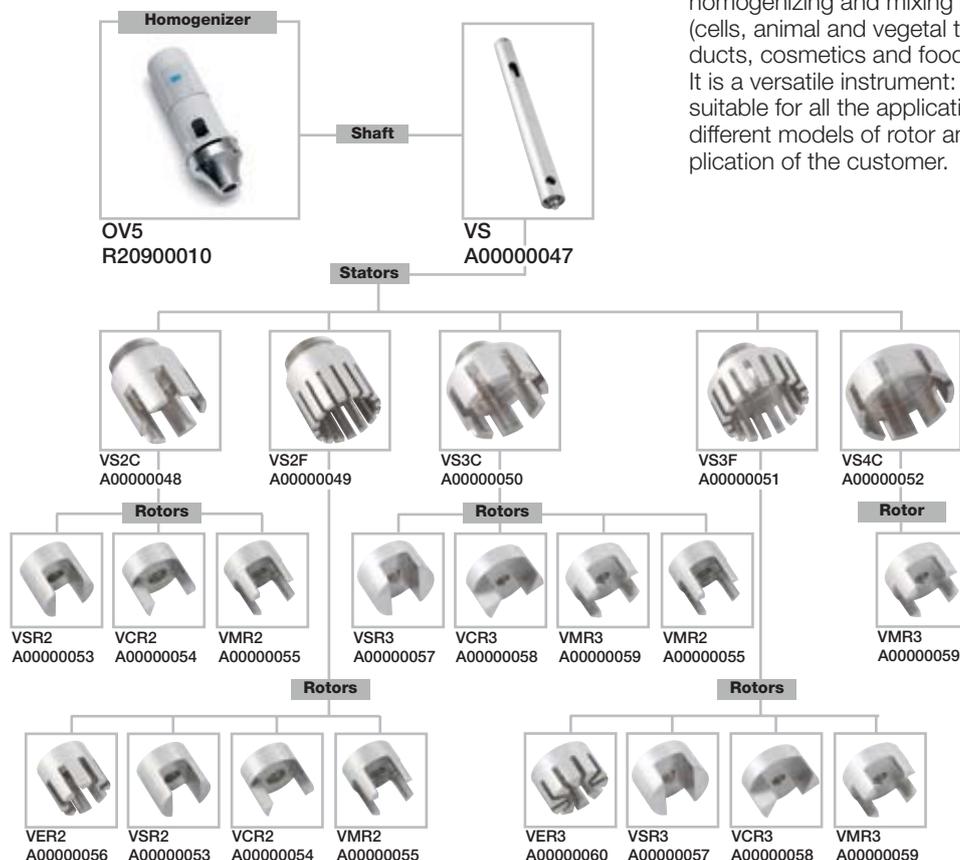
OPTIONAL ACCESSORIES

CODE No

| | |
|--|-----------|
| H-stand with strap clamp, bosshead clamp | A00000045 |
| Support rod and base | A00001300 |
| Double clamp | A00001301 |
| Strap clamp | A00000044 |

A STAND ALONE SOLUTION FOR A WIDE RANGE OF APPLICATIONS

POSSIBLE COMBINATIONS



OV5 Homogenizer is the right solution for dispersing, homogenizing and mixing biological tissue samples (cells, animal and vegetal tissues), pharmaceutical products, cosmetics and food products. It is a versatile instrument: the same model of shaft suitable for all the applications and configurable with different models of rotor and stator, for the specific application of the customer.

CHOOSE THE MOST SUITABLE DISPERSING TOOL

| MODEL | CODE No | APPLICATION FIELDS *** | FUNCTION **** | TREATABLE VOLUME (WATER) ml | MAX CIRCUM. SPEED m/s | Ø ROTOR mm | Ø STATOR mm | TOOL LENGHT mm | MIN/MAX IMMERSION DEPTH mm | ULTIMATE FINENESS µm | |
|------------|-----------|------------------------|---------------|-----------------------------|-----------------------|------------|-------------|----------------|----------------------------|----------------------|----------|
| | | | | | | | | | | SUSPENSION | EMULSION |
| *VSS2CSR2 | A00000026 | CE,IF,PC,SI | A | 100-5000 | 22,7 | 15 | 20 | 220 | 40/175 | 10 - 50 | 1 - 10 |
| VSS2CCR2 | A00000027 | CT,IA,IT,M,SI | B | 100-5000 | 22,7 | 15 | 20 | 220 | 40/175 | 10 - 50 | 1 - 10 |
| VSS2CMR2 | A00000028 | CE,VE | A | 100-5000 | 22,7 | 15 | 20 | 220 | 40/175 | 10 - 50 | 1 - 10 |
| *VSS2FER2 | A00000029 | CT,IF,SI,VE | C | 100-5000 | 22,7 | 15 | 20 | 220 | 40/175 | 10 - 50 | 1 - 10 |
| VSS2FCR2 | A00000031 | BT,CT,IA,IT,M,SI | B | 100-5000 | 22,7 | 15 | 20 | 220 | 40/175 | 10 - 50 | 1 - 10 |
| VSS2FMR2 | A00000032 | CE,CT,IA,IC,PC,VE | A | 100-5000 | 22,7 | 15 | 20 | 220 | 40/175 | 10 - 50 | 1 - 10 |
| *VSS3CSR3 | A00000033 | CT,IA,IF,M,SI | A | 100-8000 | 34,9 | 23 | 30 | 220 | 40/175 | 5 - 25 | 1 - 5 |
| VSS3CCR3 | A00000034 | CT,IA,IF,M,SI | B | 100-8000 | 34,9 | 23 | 30 | 220 | 40/175 | 5 - 25 | 1 - 5 |
| VSS3CMR3 | A00000035 | CE,VE | A | 100-8000 | 34,9 | 23 | 30 | 220 | 40/175 | 5 - 25 | 1 - 5 |
| VSS3CMR2 | A00000036 | CE,IA,SI | D | 250-20000 | 34,9 | 15 | 30 | 220 | 40/175 | High speed mixer | |
| *VSS3FER3 | A00000037 | CT,IF,SI,VE | C | 100-8000 | 34,9 | 23 | 30 | 220 | 40/175 | 5 - 25 | 1 - 5 |
| VSS3FSR3 | A00000038 | CT,IF,SI,VE | A | 100-8000 | 34,9 | 23 | 30 | 220 | 40/175 | 5 - 25 | 1 - 5 |
| VSS3FMR3 | A00000040 | CE,IA,IC,IF,IT | A | 100-8000 | 34,9 | 23 | 30 | 220 | 40/175 | 5 - 25 | 1 - 5 |
| *VSS4CMR3 | A00000041 | CE,IA,SI | D | 1000-40000 | 34,9 | 23 | 40 | 220 | 40/175 | High speed mixer | |
| **VSS5CSR4 | A00000046 | BT,M | A | 0,2-50 | 6,3 | 4 | 5 | 128 | 10/60 | 10-50 | 1-10 |

* Most used model

** The dispersing tool works with Ø 4 mm rotor and Ø 5 mm stator for microbiological applications (e.g. suitable for Eppendorf, cuvettes, etc.)

*** BT = biotechnology, CE = ceramic industry, CT = paper & tissue industry, IA = food industry, IC = cosmetic industry, IF = pharmaceutical industry, IT = tobacco industry, M = medicine, PC = petrochemistry industry, SI = sewage pollution control, VE = paint industry

**** A = dispersing tool for solid/liquid media, B = dispersing tool with blades for fibrous/stringy materials, C = dispersing tool for water/oil or oil/water emulsions, D = stirring shaft



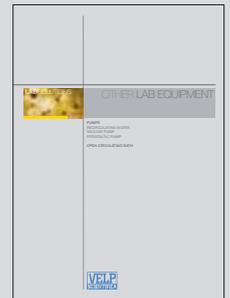
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