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*

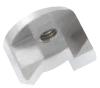
* H-stand, strap clamp, bosshead clamp and VSS2CSR2 dispersing tool included



Shaft



Stator



Rotor

LEGEND

Example composition:
VSS2CSR2

VS S2C SR2

Shaft	Stator	Rotor
VS	VS2C	VSR2

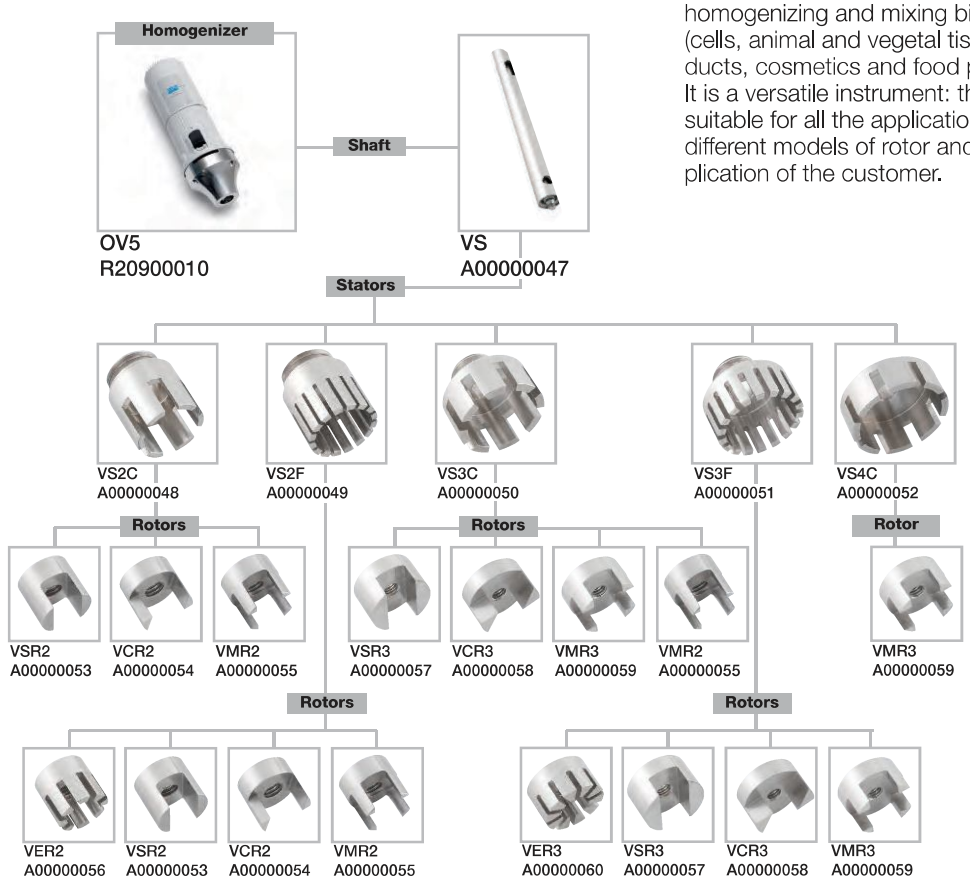
OPTIONAL ACCESSORIES	CODE No
H-stand with strap clamp, bosshead clamp	A00000045
Support rod and base	A00001300
Double clamp	A00001301
Strap clamp	A00000044
Stator rotor release kit	A00000279

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A STAND ALONE SOLUTION FOR A WIDE RANGE OF APPLICATIONS

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.

POSSIBLE COMBINATIONS



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	ULTIMATE FINENESS µm 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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