

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
Not cNemkoUS certified

CHOOSE THE MOST SUITABLE DISPERSING TOOL



Shaft



Stator



Rotor

LEGEND

Example composition:
VSS2CSR2

VS

Shaft
VS

S2C

Stator
VS2C

SR2

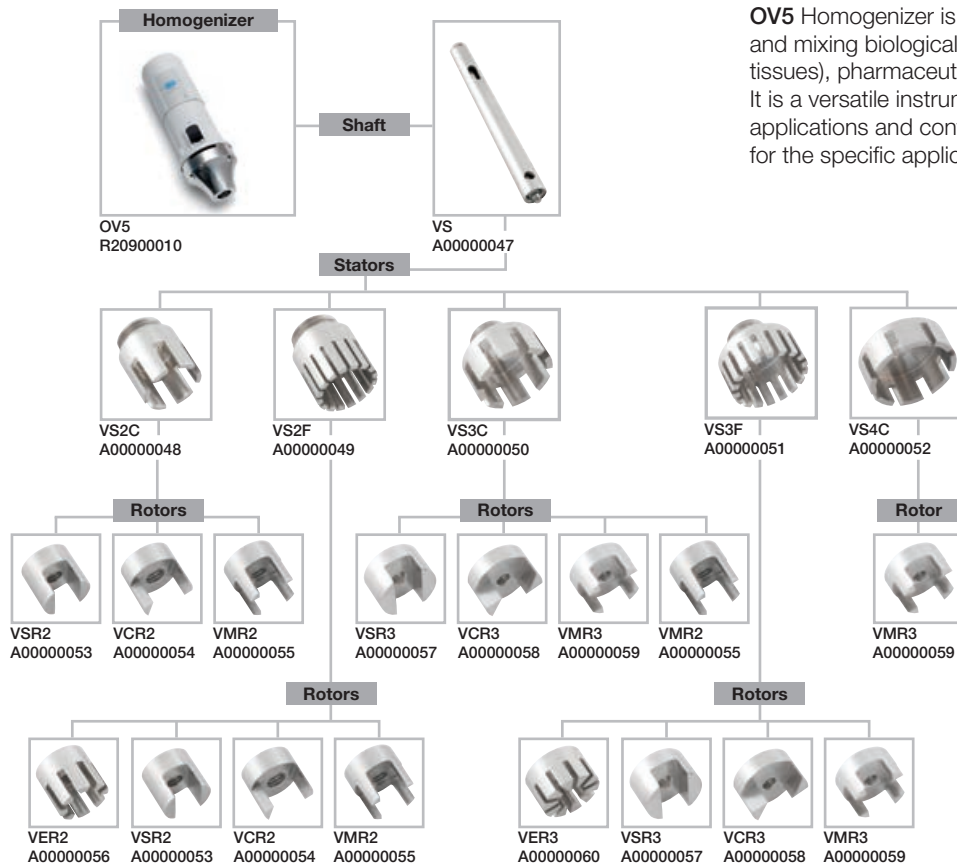
Rotor
VSR2

OPTIONAL ACCESSORIES

CODE No

H-stand with strap clamp, bosshead clamp	A0000045
Support rod and base	A00001300
Double clamp	A00001301
Strap clamp	A0000044
Stator rotor release kit	A00000279

POSSIBLE COMBINATIONS



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 pro-ducts, 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.

AVAILABLE CONFIGURATIONS

i	MODEL	CODE NO	APPLICATION FIELD***	FUNCTION +++	TREATABLE VOLUME (WATER) ml	MAX. CIRCUM. SPEED m/s	Ø ROTOR mm	Ø STATOR mm	TOOL LENGTH 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