OV5

Homogenizer

Versatile homogenizer ideal for dispersing, homogenizing and mixing



Convenient rotor-stator homogenizer

OV5 is the VELP solution for dispersing, homogenizing and mixing biological tissues, pharmaceutical products, cosmetics and food products. Wide selection of rotors and stators to match multiple applications.

- Stirring volume of up to 8 liters (water) as homogenizer
- Stirring volume of up to 40 liters (water) as high-speed mixer
- Handles fluids up to 10 000 mPa*s (cP)
- Speed variable from 10 000 to 30 000 rpm
- Shaft connects easily and quickly through a snap hook
- Rotor / stator configuration can be assembled in seconds
- Stainless steel shaft with PTFE seals
- Overload protection
- Smooth start and safety switch



3 YEARS WARRANTY

INSTRUMENT - CODE

OV5	230 V / 50 Hz	**R20900010**
OV5 - SYSTEM	230 V / 50 Hz	**SA20900010**

* Double Rod Mini H-Stand Set, VSS2CSR2 Dispersing tool included

CONFIGURE WITH ROTOR/STATOR

HOMOGENIZER



SHAFT



STATOR



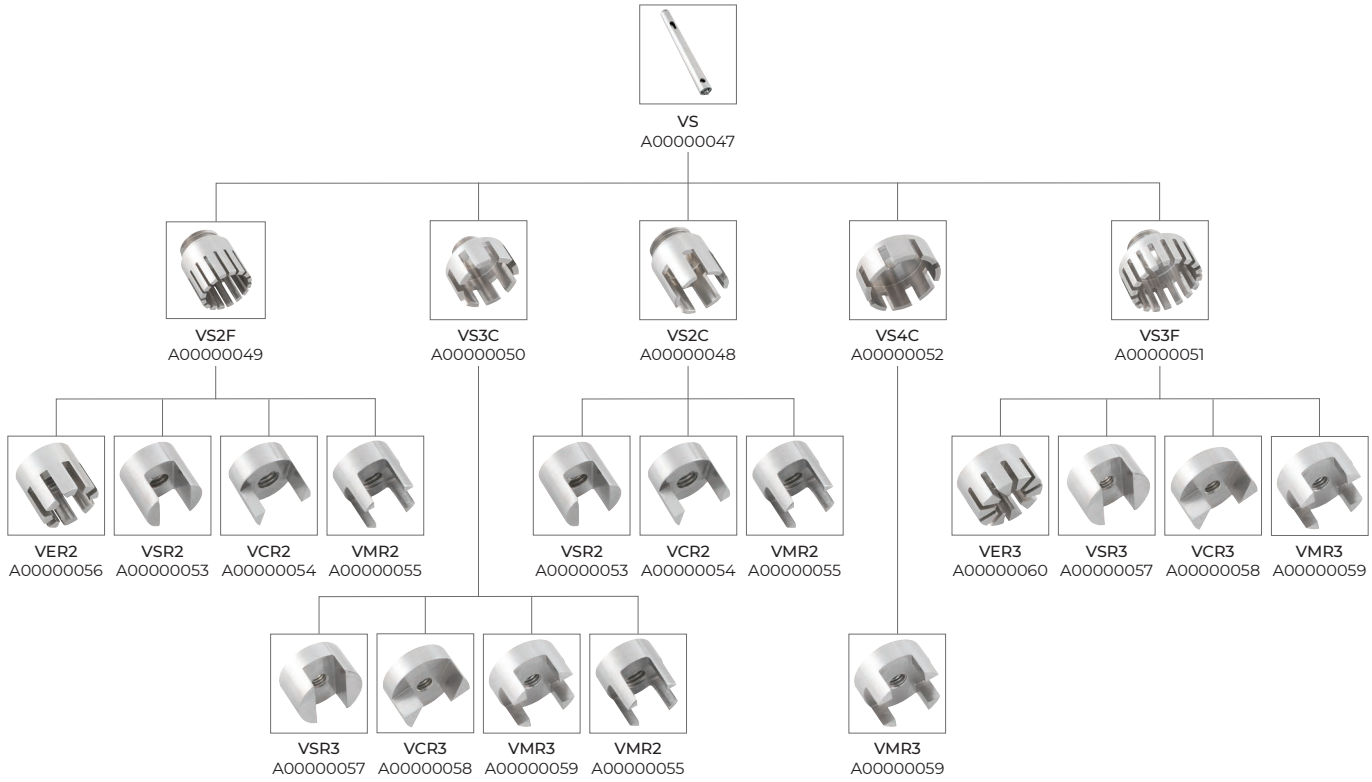
ROTOR



TECHNICAL DATA

CONSTRUCTION MATERIAL	Technopolymer
STIRRING SPEED RPM	Graduated scale
POWER	500 W
POWER SUPPLY	230 V / 50Hz
WEIGHT	1,3 Kg
DIMENSION (WXHXD)	70x255x70 mm (2.7x10x2.7 in)
STIRRING SPEED	From 10000 to 30000 rpm
STIRRING VOLUME MAX (H2O)	Up to 8 litres as homogenizer
STIRRING VOLUME MAX (H2O)	Up to 40 litres as high speed mixer
MAX VISCOSITY (MPA X SEC)	10000

ROTOR/STATOR CONFIGURATIONS



POSSIBLE COMBINATIONS

	Code No	Application field	Function	Treatable volume (water)	Max circum. speed	Ø Rotor	Ø Stator	Tool lenght	Min/max immersion depth	Ultimate fineness µm Suspension	emulsion
* VSS2CSR2	A00000026	CE, IF, PC, SI	A	100-5000	22,7	15 mm	20 mm	220 mm	40/175 mm	10-50	1-10
VSS2CCR2	A00000027	CT, IA, M, SI	B	100-5000	22,7	15 mm	20 mm	220 mm	40/175 mm	10-50	1-10
VSS2CMR2	A00000028	CE, VE	A	100-5000	22,7	15 mm	20 mm	220 mm	40/175 mm	10-50	1-10
*VSS2FER2	A00000029	CT, IF, SI, VE	C	100-5000	22,7	15 mm	20 mm	220 mm	40/175 mm	10-50	1-10
VSS2FCR2	A00000031	BT, CT,IA, IT, M, SI	B	100-5000	22,7	15 mm	20 mm	220 mm	40/175 mm	10-150	1-10
VSS2FMR2	A00000032	CE, CT, IA, IC, PC, VE	A	100-5000	22,7	15 mm	20 mm	220 mm	40/175 mm	10-150	1-10
*VSS3CSR3	A00000033	CT, IA, IF, M, SI	A	100-8000	34,9	23 mm	30 mm	220 mm	40/175 mm	5-25	1-5
VSS3CCR3	A00000034	CT, IA, IF, M, SI	B	100-8000	34,9	23 mm	30 mm	220 mm	40/175 mm	5-25	1-5
VSS3CMR3	A00000035	CE, VE	A	100-8000	34,9	23 mm	30 mm	220 mm	40/175 mm	5-25	1-5
VSS3CMR2	A00000036	CE, IA, SI	D	250-2000	34,9	15 mm	30 mm	220 mm	40/175 mm	High speed mixer	
*VSS3FER3	A00000037	CT, IF, SI, VE	C	100-8000	34,9	23 mm	30 mm	220 mm	40/175 mm	5-25	1-5
VSS3FSR3	A00000038	CT, IF, SI, VE	A	100-8000	34,9	23 mm	30 mm	220 mm	40/175 mm	5-25	1-5
VSS3FMR3	A00000040	CE, IA, IC, IF, IT	A	100-8000	34,9	23 mm	30 mm	220 mm	40/175 mm	5-25	1-5
*VSS4CMR3	A00000041	CE, IA, SI	D	1000-4000	34,9	23 mm	40 mm	220 mm	40/175 mm	High speed mixer	
**VSS5CSR4	A00000046	BT, M	A	0,2-50	6,3	4 mm	5 mm	128 mm	10/60 mm	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

We reserve the right to make technical alterations
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VELP Official Partner

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