



# OV 625 Digital

## Dispersers

Powerful digital disperser designed for excellent homogenization, suspension, emulsification and mixing.



## OV 625 Digital

The OV 625 Digital ensures the maximum level of reproducibility for a wide range of applications. Cutting-edge technology and engineering expertise guarantee precision and high shearing force for fast homogenization, emulsification, suspensions, and high-speed mixing of biological tissues, pharmaceuticals, cosmetics and food products.

### SIMPLY POWERFUL

- Speed range from 3,000 to 25,000 rpm, working at high circumferential speed
- Volume range from 0.2 ml to 2.5 litres (H<sub>2</sub>O)
- Handles samples up to 5,000 mPa's viscosity

### INTUITIVE AND EASY-TO-OPERATE

- The bright and intuitive digital display and the comfortable rotating knob enable precise electronic speed setting
- Fast and simple dispersing tool installation
- Innovative design for an optimized user experience

### SAFE AND RESISTANT

- Various safety functions, such as a soft start, motor overload protection, and overtemperature alarms, ensure the highest safety in daily operations
- A resistant and robust housing protects the internal electronic parts and ensures the instrument works even in the most challenging applications
- Premium construction materials guarantee excellent mechanical properties and chemical resistance



OV 625 Digital



OV 625 Digital System

### CONFIGURATIONS

### OPTIONAL ACCESSORIES

Double Rod Mini H-Stand Set **A00000383**

### INSTRUMENT - CODE








































OV 625 Digital	230 V / 50-60 Hz	F20900470*
OV 625 Digital	115 V / 60 Hz	F20910470*
OV 625 Digital System	230 V / 50-60 Hz	SA20900470**
OV 625 Digital System	115 V / 60 Hz	SA20910470**

\*Includes: OV 625 Digital Disperser; Tool disassembly kit.

\*\*Includes: OV 625 Digital Disperser; Tool disassembly kit; Double Rod Mini H-Stand; D20-S20C-P-R20S Dispersing tool.

## VELP Dispersing Tools

High-quality stainless steel dispersing tools featuring a PTFE seal. VELP D20 series tools ensure high chemical resistance and easy and quick installation procedure.

<p><b>Included in the system</b></p>  <p><b>D20-S20C-P-R20S</b> Code A00000478</p> <p>Dispersing tool suitable for the majority of laboratory applications.</p> <ul style="list-style-type: none"> <li>VOLUME RANGE: 50 - 2,000 ml</li> <li>STATOR DIAMETER: 20 mm</li> <li>ROTOR DIAMETER: 15 mm</li> <li>ULTIMATE FINENESS EMULSION: 1 - 10 µm</li> <li>ULTIMATE FINENESS SUSPENSION: 10 - 50 µm</li> </ul> <p>INDUSTRY:     </p>	 <p><b>D20-S20F-P-R20C</b> Code A00000462</p> <p>Dispersing tool for solid-liquid dispersion, suitable for fibrous samples.</p> <ul style="list-style-type: none"> <li>VOLUME RANGE: 50 - 2,000 ml</li> <li>STATOR DIAMETER: 20 mm</li> <li>ROTOR DIAMETER: 15 mm</li> <li>ULTIMATE FINENESS EMULSION: 1 - 7 µm</li> <li>ULTIMATE FINENESS SUSPENSION: 5 - 40 µm</li> </ul> <p>INDUSTRY:   </p>	 <p><b>D20-S20F-P-R20E</b> Code A00000463</p> <p>Emulsifying tool for liquid-liquid dispersions requiring a high final fineness.</p> <ul style="list-style-type: none"> <li>VOLUME RANGE: 50 - 2,000 ml</li> <li>STATOR DIAMETER: 20 mm</li> <li>ROTOR DIAMETER: 15 mm</li> <li>ULTIMATE FINENESS EMULSION: 1 - 7 µm</li> <li>ULTIMATE FINENESS SUSPENSION: 5 - 40 µm</li> </ul> <p>INDUSTRY:     </p>
 <p><b>D20-S20F-P-R20M</b> Code A00000464</p> <p>Dispersing tool, suitable for emulsions (liquid-liquid) and suspensions (solid-liquid), requiring high final fineness.</p> <ul style="list-style-type: none"> <li>VOLUME RANGE: 50 - 2,000 ml</li> <li>STATOR DIAMETER: 20 mm</li> <li>ROTOR DIAMETER: 15 mm</li> <li>ULTIMATE FINENESS EMULSION: 1 - 7 µm</li> <li>ULTIMATE FINENESS SUSPENSION: 5 - 40 µm</li> </ul> <p>INDUSTRY:   </p>	 <p><b>D20-S25C-P-R25C</b> Code A00000479</p> <p>Universal dispersing tool for high volumes, particularly suitable for dispersing solid phases.</p> <ul style="list-style-type: none"> <li>VOLUME RANGE: 100 - 2,500 ml</li> <li>STATOR DIAMETER: 25 mm</li> <li>ROTOR DIAMETER: 18 mm</li> <li>ULTIMATE FINENESS EMULSION: 1 - 10 µm</li> <li>ULTIMATE FINENESS SUSPENSION: 15 - 50 µm</li> </ul> <p>INDUSTRY:    </p>	 <p><b>D20-S20F-P-R25E</b> Code A00000480</p> <p>High peripheral speed emulsifying tool suitable for particularly fine liquid-liquid dispersions.</p> <ul style="list-style-type: none"> <li>VOLUME RANGE: 100 - 2,500 ml</li> <li>STATOR DIAMETER: 25 mm</li> <li>ROTOR DIAMETER: 18 mm</li> <li>ULTIMATE FINENESS EMULSION: 1 - 5 µm</li> <li>ULTIMATE FINENESS SUSPENSION: 5 - 25 µm</li> </ul> <p>INDUSTRY:     </p>
 <p><b>D20-S25F-P-R25M</b> Code A00000469</p> <p>Dispersing tool for particularly fine emulsions (liquid-liquid) and suspensions (solid-liquid).</p> <ul style="list-style-type: none"> <li>VOLUME RANGE: 100 - 2,500 ml</li> <li>STATOR DIAMETER: 25 mm</li> <li>ROTOR DIAMETER: 18 mm</li> <li>ULTIMATE FINENESS EMULSION: 1 - 5 µm</li> <li>ULTIMATE FINENESS SUSPENSION: 5 - 25 µm</li> </ul> <p>INDUSTRY:   </p>	 <p><b>D20-S40C-P-R25C</b> Code A00000472</p> <p>Dispersing tool for high-speed stirring and crushing of solid samples in a liquid.</p> <ul style="list-style-type: none"> <li>VOLUME RANGE: 1,000 - 4,000 ml</li> <li>STATOR DIAMETER: 40 mm</li> <li>ROTOR DIAMETER: 18 mm</li> </ul> <p>INDUSTRY: </p>	 <p><b>D20-S5S-P-R55</b> Code A00000473</p> <p>Dispersing tool for solid-liquid and liquid-liquid dispersions, suitable for processing particularly small volumes.</p> <ul style="list-style-type: none"> <li>VOLUME RANGE: 0,2 - 50 ml</li> <li>STATOR DIAMETER: 5 mm</li> <li>ROTOR DIAMETER: 3,2 mm</li> <li>ULTIMATE FINENESS EMULSION: 1 - 10 µm</li> <li>ULTIMATE FINENESS SUSPENSION: 10 - 50 µm</li> </ul> <p>INDUSTRY: </p>

### INDUSTRY LEGEND

 Food & Feed     Pharmaceutical     Cosmetic     Chemical and Petrochemical     Life Science

## TECHNICAL DATA

	OV 625 Digital
USER INTERFACE	Digital
HOUSING MATERIAL	Aluminum - Technopolymer
VOLUME (H <sub>2</sub> O)	0.2 ml - 2,500 ml
SPEED RANGE	3,000 - 25,000 rpm
SPEED CONTROL	Digital
SPEED SETTING RESOLUTION	200 rpm
NOISE (WITHOUT ELEMENT)	75 dBa
PERMISSIBLE AMBIENT TEMPERATURE	+5 ... +40 °C
PERMISSIBLE RELATIVE HUMIDITY	Up to 80%
MOTOR	BAC
POWER INPUT	800 W
WEIGHT	2.4 kg (5.3 lb)
DIMENSIONS (WxHxD)	92x280x130 mm (3.6x11x5.1 in)



## SERVICE & SUPPORT

VELP Scientifica products are designed by our engineers to resist years of laboratory use.

Our products are manufactured with premium materials to guarantee the best performance with maximum safety.

According to our experience, a proper and regular maintenance is necessary to ensure the highest performance of analytical instrument. VELP Service Department and VELP Official Partners are always ready to offer you maintenance and service support tailored to your needs.

GET THE SUPPORT YOU NEED CHOOSING THE OPTIONS:

- Help-desk and Remote support
- Technical Assistance
- Analytical Support



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