

# OV Series

## Dispersers

Achieve more, experience more in your dispersion, homogenization and mixing challenges.



Driven by curiosity



# OV 725 Digital

The OV 725 Digital ensures accurate results, effortless operation, and lasting durability. Engineered for homogenizing, emulsifying, suspending, and mixing of cosmetics, food items, pharmaceuticals, and biological tissues across diverse laboratory applications.

## Superior Performance and Lasting Durability

- Powerful brushless motor running from 2,000 up to 25,000 rpm
- Volume range from 0.2 ml to 2.5 L (H<sub>2</sub>O)
- Handles samples up to 5,000 mPa·s viscosity

## Smart Maintenance and Reliable Monitoring

- LED indicators signal the time remaining before maintenance for prompt gasket replacement
- The integral cyclic timer (up to 99:59 hours) guarantees accurate results, unattended operations and helps process a large number of a samples in series
- The efficient motor dissipates heat better, reducing instrument overheating risk

## Safe and Easy-to-Use

- Quick and simple dispersing tool installation system
- Dedicated alarms provide user with proactive alerts for potential risks like overtemperature, motor failure, and improper tool installation
- The control panel is designed to optimize user experience with the bright and intuitive 4-digit LED display



## Configurations



OV 725



OV 725 System

# 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 L (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
- Ergonomic and compact 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



## Configurations



OV 625



OV 625 System

# Dispersing Tools Accessories

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

Included with the system

**D20-S20C-P-R20S**

Code **A00000478**

Dispersing tool suitable for the majority of laboratory applications.

- Volume: 50 - 2,000 ml
- Stator diameter: 20 mm
- Rotor diameter: 15 mm
- Ultimate fineness emulsion: 1 - 10 µm
- Ultimate fineness suspension: 10 - 50 µm

Industry:    



**D20-S20F-P-R20C**

Code **A00000462**

Dispersing tool for solid-liquid dispersion, suitable for fibrous samples.

- Volume: 50 - 2,000 ml
- Stator diameter: 20 mm
- Rotor diameter: 15 mm
- Ultimate fineness emulsion: 1 - 7 µm
- Ultimate fineness suspension: 5 - 40 µm

Industry:   



**D20-S20F-P-R20E**

Code **A00000463**

Emulsifying tool for liquid-liquid dispersions requiring a high final fineness.

- Volume: 50 - 2,000 ml
- Stator diameter: 20 mm
- Rotor diameter: 15 mm
- Ultimate fineness emulsion: 1 - 7 µm
- Ultimate fineness suspension: 5 - 40 µm

Industry:    



**D20-S20F-P-R20M**

Code **A00000464**

Dispersing tool, suitable for emulsions (liquid-liquid) and suspensions (solid-liquid), requiring high final fineness.

- Volume: 50 - 2,000 ml
- Stator diameter: 20 mm
- Rotor diameter: 15 mm
- Ultimate fineness emulsion: 1 - 7 µm
- Ultimate fineness suspension: 5 - 40 µm

Industry:    



**D20-S25C-P-R25C**

Code **A00000479**

Universal dispersing tool for high volumes, particularly suitable for dispersing solid phases.

- Volume: 100 - 2,500 ml
- Stator diameter: 25 mm
- Rotor diameter: 18 mm
- Ultimate fineness emulsion: 1 - 10 µm
- Ultimate fineness suspension: 15 - 50 µm

Industry:   



**D20-S20F-P-R25E**

Code **A00000480**

High peripheral speed emulsifying tool suitable for particularly fine liquid-liquid dispersions.

- Volume: 100 - 2,500 ml
- Stator diameter: 25 mm
- Rotor diameter: 18 mm
- Ultimate fineness emulsion: 1 - 5 µm
- Ultimate fineness suspension: 5 - 25 µm

Industry:    



**D20-S25F-P-R25M**

Code **A00000469**

Dispersing tool for particularly fine emulsions (liquid-liquid) and suspensions (solid-liquid).

- Volume: 100 - 2,500 ml
- Stator diameter: 25 mm
- Rotor diameter: 18 mm
- Ultimate fineness emulsion: 1 - 5 µm
- Ultimate fineness suspension: 5 - 25 µm

Industry:    




**D20-S40C-P-R25C**

Code **A00000472**

Dispersing tool for high-speed stirring and crushing of solid samples.

- Volume: 1,000 - 4,000 ml
- Stator diameter: 40 mm
- Rotor diameter: 18 mm

Industry: 



**D20-S5S-P-R5S**

Code **A00000473**


Dispersing tool for solid-liquid and liquid-liquid dispersions, suitable for processing particularly small volumes.

- Volume: 0.2 - 50 ml
- Stator diameter: 5 mm
- Rotor diameter: 3.2 mm
- Ultimate fineness emulsion: 1 - 10 µm
- Ultimate fineness suspension: 10 - 50 µm


Industry: 



## Industry - Legend

 Food, Feed & Beverage

 Pharmaceutical & Life Science

 Cosmetics and Personal care

 Chemical and Petrochemical



# Instrument - Code

OV 725 Digital	230 V / 50-60 Hz	F20900475*
OV 725 Digital	115 / 60 Hz	F20910475*
OV 725 Digital System	230 V / 50-60 Hz	SA20900475**
OV 725 Digital System	115 / 60 Hz	SA20910475**
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 / 725 Digital Dispenser; Tool disassembly kit.

\*\*Includes: OV 625 / 725 Digital Dispenser; Tool disassembly kit; Double Rod Mini H-Stand; D20-S20C-P-R20S Dispersing tool.

# Optional Accessories



A00000484  
Double Rod Mini  
H-Stand Set



# Technical Data

	OV 725 Digital	OV 625 Digital
User interface	Digital	Digital
Housing material	Aluminum - Technopolymer	Aluminum - Technopolymer
Volume (H <sub>2</sub> O)	0.2 ml - 2.5 L	0.2 ml - 2.5 L
Speed range	2,000 – 25,000 rpm	3,000 – 25,000 rpm
Viscosity	Up tp 5,000 mPa*s	Up tp 5,000 mPa*s
Speed control	Digital	Digital
Speed setting resolution	100 rpm	200 rpm
Noise (WITHOUT ELEMENT)	70 dBa	75 dBa
Permissible ambient temperature	+5 ... +40 °C	+5 ... +40 °C
Permissible relative humidity	Up to 80%	Up to 80%
Working timer	Yes (up to 99:59 hours)	-
Dispersing tool maintenance timer	Yes	-
Alarm if dispersing tool is not present	Yes	-
Instrument overtemperature alarm	Yes	-
Motor	Brushless (BLDC)	BAC
Motor counter	Yes, hours or days of working	-
Power input	800 W	800 W
Weight	3.7 kg (8.1 lb)	2.4 kg (5.3 lb)
Dimensions (WXHxD)	100x280x235 mm (3.9x11x9.3 in)	92x280x130 mm (3.6x11x5.1 in)

## Service & Support

Velp 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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