

PUMPS

RECIRCULATING WATER VACUUM PUMP AND PERISTALTIC PUMP

Pumps are widely used instruments in chemical, biological and pharmaceutical laboratories thanks to their ease of use and selectable flow rates. VELP Scientifica solutions offers great benefits: the recirculating water pump ensures **drastic savings in water consumption** and the peristaltic pump is extremely versatile for the **most diversified needs**.

JPV

The **JPV** is a **highly resistant** chemical corrosion pump equipped with **suction capacity selection**.

JPV is **independent from tap water contingencies** like low availability or low pressure. The unit ensures **extremely quiet and vibration-free operation** whilst **premium materials** guarantee **excellent resistance** and a high flow rate (up to 22 L/min). Two convenient handles increase the **convenience**.

The unit is designed for all those applications where non-pulsing suction is required, e.g. rotary evaporators, vacuum filtrations, etc.

INSTRUMENT	POWER SUPPLY	CODE No
JPV	230 V / 50-60 Hz	F40100541
JPV	115 V / 50-60 Hz	F40110541



i GENERAL FEATURES AND PERFORMANCE

FLOW RATE REGULATION	0÷22 L/min
VACUUM REGULATION	1÷0.04 bar
RESIDUAL PRESSURE	35 mm/Hg (water temperature at 15 °C)
POWER	160 W
DIMENSIONS (WxHxD)	250x400x370 mm (9.8x15.7x14.6 in)
WEIGHT	8.0 Kg (17.6 lb)

OPTIONAL ACCESSORIES	CODE No
Vacuum tube	10001893

SP 311

The **SP 311** has a **variable flow rate** and is able to pump fluids from depths of up to 10 meters. The unit is **compact, extremely intuitive and quiet** and requires minimum maintenance. The electronic speed control ensures **high safety standards**. Peristaltic pumps are widely used in industries like pharmaceutical, chemical, food, beverage and biotechnology to transfer liquids. Since the liquid never affects and gets in touch with the internal parts of the pump, **SP 311** is **extremely easy to clean**.

The SP 311 is particularly recommended for:

- transferring liquids, gases, mixtures, emulsions, etc.
- taking samples and continuous dosing
- analysis automation

INSTRUMENT	POWER SUPPLY	CODE No
SP 311/2	230 V / 50-60 Hz	F40200002
SP 311/6	230 V / 50-60 Hz	F40200006



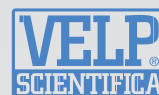
i GENERAL FEATURES AND PERFORMANCE

MOTOR	24 V CC with gear reduction
POWER	20 W
DIMENSIONS (WxHxD)	145x95x190 mm (5.7x3.7x7.5 in)
WEIGHT	1.8 Kg (3.9 lb)

OPTIONAL ACCESSORIES	CODE No
SP 311/2 Silicone tube Ø 4x7 mm 2-35 ml/min	10002042
SP 311/6 Silicone tube Ø 4x7 mm 6-135 ml/min	10002042
SP 311/12 Silicone tube Ø 4x7 mm 20-240 ml/min	10002042
SP 311/60 Silicone tube Ø 5x8 mm 125-1000 ml/min	10001090

OPEN CIRCULATING BATH

TANKS AND RACKS



OCB

The **OCB** is used for accurate temperature applications to samples placed in the circulator bath. The circulator is designed to be combined with a bath tank. OCB ensures **reproducible results** and an **excellent temperature homogeneity** up to 105 °C.

The unit is equipped with a **digital timer** and a safety thermostat to prevent overheating and **increase the operator's safety level** and **temperature stability**.

An **extremely versatile solution** as it can be combined with different operating accessories in order to virtually **satisfy any need**.

INSTRUMENT	POWER SUPPLY	CODE No
OCB	230 V / 50-60 Hz	F40300240
OCB	115 V / 50-60 Hz	F40310240



OCB is designed for those applications where **accurate temperature requirements** are needed, including:

- sample preparation
- temperature control and thermostating
- material testing
- pre-analysis treatment
- academic testing
- ...and much more!

VELP Scientifica supplies two models of bath tanks in polycarbonate, with 5 or 7-liter capacity, able to reach 100 °C. Different racks are also available: 7-position for Ø 29 mm tubes, 20-position for Ø 17 mm tubes and 36-position for Eppendorf tubes (Ø 11 mm). The maximum capacity of the 5-liter bath tank is 2 racks, whilst the 7-liter version can support up to 3 racks simultaneously.

POSSIBLE CONFIGURATIONS	CODE No
5-liter Polycarbonate Bath Tank	A00000090
7-liter Polycarbonate Bath Tank	A00000091
Test tube rack, 20-pos., ø 17 mm	A00000092
Test tube rack, 36-pos., ø 11 mm	A00000093
Test tube rack, 7-pos., ø 29 mm	A00000094



GENERAL FEATURES AND PERFORMANCE

TEMPERATURE RANGE	Ambient to 105 °C (221 °F)
TIMER	00:00 - 24:59 (HH:MM)
POWER	900 W
DIMENSIONS (WxHxD)	150x280x180 mm (5.9x11.0x7.1 in)
WEIGHT	2.5 Kg (5.51 lb)

POSSIBLE CONFIGURATIONS

BATH TANK	5-liter and 7-liter
RACK	7-position, 20-position and 36-position
TEMPERATURE RANGE	Ambient to 100 °C (212 °F)
OVERALL DIMENSIONS (WxHxD)	with 5-liter Bath Tank 134x315x421 mm (5.3x12.4x16.6 in) with 7-liter Bath Tank 134x315x521 mm (5.3x12.4x20.5 in)
WEIGHT	with 5-liter Bath Tank - 4.2 kg (9.2 lb) with 7-liter Bath Tank - 4.5 kg (9.9 lb)