



TECHNICAL INFORMATION

ADVANTAGES

- Reliable metering of smallest quantities
- Self-priming
- No dry running
- Quick and simple replacement of hose
- Closed loop speed control by DC motor
- Double ball bearings for gearbox
- No contact of liquid with pump components
- Suitable for continuous operation
- Enclosure IP 65
- Prevention of back flow
- Low maintenance
- Compact design

DOSATOR VPP/VPP-E

CAPACITY RANGES: 15 ml/h – 4000 ml/h

MICROPROCESSOR CONTROLLED PERISTALTIC METERING PUMP WITH VARIABLE SPEED DRIVE

The **DOSATOR VPP/VPP-E** from **Wallace & Tiernan** offers the market a range of low pressure peristaltic pumps up to 1.5 bar for demanding metering duties. In potable and pool water applications as well as in the food and chemical industries, this series provides a well balanced range of capacities combined with excellent accuracy and chemical resistance. The **DOSATOR** peristaltic pump series features a rotating positive displacement system driven by proven DC motors with additional torque availability. With the variety of models available, these peristaltic metering pumps are well suited for a wide variety of applications.

GENERAL

The new **DOSATOR VPP/VPP-E** microprocessor controlled peristaltic metering pumps with speed control were designed for metering liquid and aggressive media.

They are characterized by their compact and user-friendly design. High quality materials of construction and components (for example, the gearbox with double bearings) ensure long service life.

The **DOSATOR VPP/VPP-E** series self-priming peristaltic pumps have a closed loop speed control. This means that the rotor speed and, as a result, the feed rate is maintained exactly at the pre-set value, independent of the condition of the hose, viscosity, suction height and variations in temperature, mains voltage and pressure within the specific range.

Due to its unparalleled low noise level and its IP 65 enclosure, the **DOSATOR VPP/VPP-E** series is perfectly suited to laboratories and humid ambient conditions.

With the **DOSATOR VPP** model discontinuous pulse operation is enabled by switching the supply voltage on/off. In addition an integral dosage potentiometer allows infinitely variable feed rate control.

The optional **DOSATOR VPP-E** model features automatic control via a volt-free control input or a 4...20 mA input.

Both the ON/OFF and the quick-priming keys add to the ease of operation. Visual indication of operation and tank-empty status are displayed using luminous diodes. Another feature is the optional connection for a dip tube with an integral tank-empty probe. The tank-empty signal can be transmitted via a volt-free relay output contact.



MATERIALS OF CONSTRUCTION

Housing:

ABS

Hose clamp:

PP, reinforced glass fibre

Pump rotor:

PP, reinforced glass fibre

Pump housing:

PP, reinforced glass fibre

Rollers:

PVDF

Springs:

Spring steel, corrosion-protected / Hastelloy C

Shafts:

Stainless steel 1.4305

Hose connectors:

PVDF (wetted parts)

Hose:

Pharmed

SPARES AND ACCESSORIES

Corresponding feedrate kits and spares are available for every **DOSATOR VPP/VPP-E** model for prompt and quick maintenance.

An engineered range of accessories completes the **DOSATOR VPP/VPP-E** series.

US WALLACE & TIERNAN

a Vivendi Water Company

Wallace & Tiernan GmbH
Postfach 1563, D-89305 Günzburg, GERMANY
Street address: Auf der Weide 10,
D-89312 Günzburg, GERMANY
Tel.: (49) 8221-9040, Fax: (49) 8221-904203
www.wallace-tiernan.de

TECHNICAL DATA

MECHANICAL DATA

Back Pressure:

max. 1.5 bar g

Suction Lift:

max. 2 m WC

Duty Cycle:

100 %

Rotor Speed:

 max. 45 min⁻¹
Ambient Temperature:

5 ... 55 °C

Enclosure:

IP65

Hose Connectors:

ID 4 x OD 6 mm

Dimensions (W x H x D):

95 x 175 x 130 mm

Weight:

approx. 1.25 kg

ELECTRICAL DATA

Power Supply:

230 V AC (± 10 %), 50/60 Hz

Power Consumption:

max. 15 VA

Enclosure:

II

Fuse:

100 mA, semi time-lag

CAPACITY RANGES

	Feed rate [ml/h]	Hose internal dia. [mm]
Pump hose 600	15 ... 600	1.6
Pump hose 2000	45 ... 2000	3.2
Pump hose 4000	150 ... 4000	4.8

VARIABLE FEATURES

	VPP	VPP-E
2 m cable with mains plug	x	x
Adjustable feed rate (via potentiometer)	x	x
ON/OFF key		x
Quick priming key		x
Unpowered control input (selectable) or Analogue input 4 ... 20 mA (selectable)		x
Connection for dip tube with tank-empty probe		x
Tank-empty output (unpowered)		x
Pump ON indicator		x
Tank EMPTY indicator		x

WALLACE & TIERNAN WORLDWIDE

Australia

WALLACE & TIERNAN Pty Limited
Unit 1a, 6 – 8 Lyon Park Road
North Ryde, NSW 2113, AUSTRALIA
Tel.: (61) 2-8875 2824
Fax: (61) 2-8875 2700
Email: wtpac@wtpacific.com.au

Brazil

U.S. FILTER do Brazil Ltda.
Rua Jundiá, 50 – 5th Floor
Jardim Paulista
Sao Paulo 04001 – 140, BRAZIL
Tel.: (55) 3051-6800
Fax: (55) 3051-7323

Canada

U.S. FILTER / WALLACE & TIERNAN
250 Royal Crest Court
Markham, Ontario L3R 3S1, CANADA
Tel.: (905) 944-2800
Fax: (905) 474-1660

France

WALLACE & TIERNAN S.A.R.L.
BP 150
1/3 rue Pavlov
F-78196 Trappes Cedex, FRANCE
Tel.: (33) 1-34 82 18 50
Fax: (33) 1-30 50 98 08

Germany

WALLACE & TIERNAN GmbH
Auf der Weide 10
D-89312 Günzburg, GERMANY
Postfach 1563, D-89305 Günzburg, GERMANY
Tel.: (49) 8221-9040
Fax: (49) 8221-904203
Email: wtger@usfinternational.com

Mexico

U.S. FILTER / Chemfeed SA CV
Via Jose Lopez Portillo No. 321
Col. Santa Maria Cuauhtepac, Tultitlan
Edo. de Mexico, CP 54900, MEXICO
Tel.: (52) 5 875-9700
Fax: (52) 5 875-2171
Email: tserratos@usf.com.mx

United Kingdom

Chemfeed Limited
WALLACE & TIERNAN Products
Priory Works
Tonbridge
Kent TN11 0QL, ENGLAND
Tel.: (44) 1732-771777
Fax: (44) 1732-771800
Email: inform@wallace-tiernan.com

USA

U.S. FILTER / WALLACE & TIERNAN Products
1901 West Garden Road
Vineland, NJ 08360, USA
Tel.: 856-507-9000
Fax: 856-507-4125



Wallace & Tiernan GmbH
Postfach 1563, D-89305 Günzburg, GERMANY
Street address: Auf der Weide 10,
D-89312 Günzburg, GERMANY
Tel.: (49) 8221-9040, Fax: (49) 8221-904203
www.wallace-tiernan.de