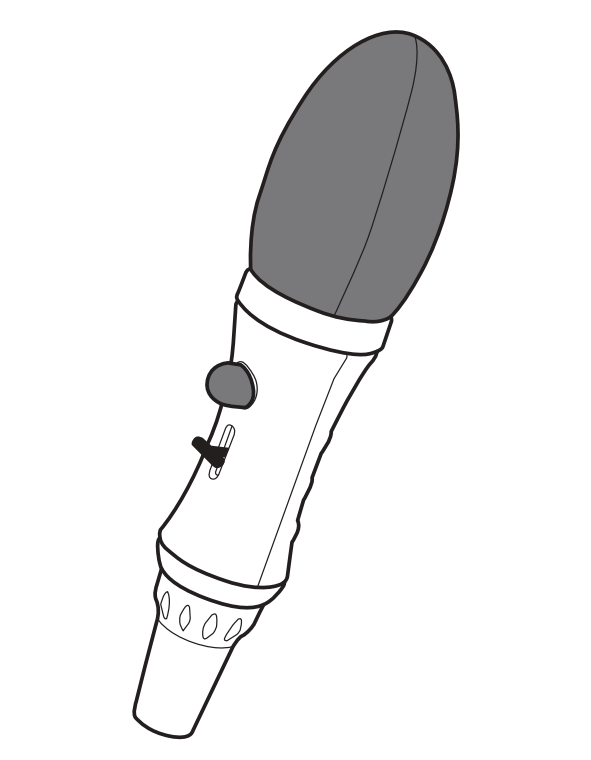
Instruction manual

VWR® PIPETTE FILLER

EU cat. no 612-7284

NA cat. no 77200-836



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Legal Address of Manufacturer

VWR International bv,
Researchpark Haasrode
2020 Geldenaaksebaan 464
B-3001 Leuven
+3216385011
be.vwr.com

United States

VWR International LLC
100 Matsonford Rd
Radnor, PA 19087
+1 800-932-5000
www.vwr.com

Country of Origin

China

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Intended Use

The VWR® Pipette Filler is a simple hand operated instrument for filling and dispensing pipettes. The VWR® Pipette Filler accommodates graduated or volumetric pipettes (made of glass or plastic) and can be used with volumes ranging from 1 to 50mL.

Specifications

Pipettes:.....Use with 1 to 100 mL pipettes, glass or plastic
Working temperature: .....32 to 95°F (0 to 35°C)
Materials Housing:.....ABS
Nose cone:.....Polypropylene (PP)
Bulbs:.....Silicone Rubber
Pipette adapter: .....Silicone
Filter: .....PTFE/25mm dia/0.45µm filter in PP housing

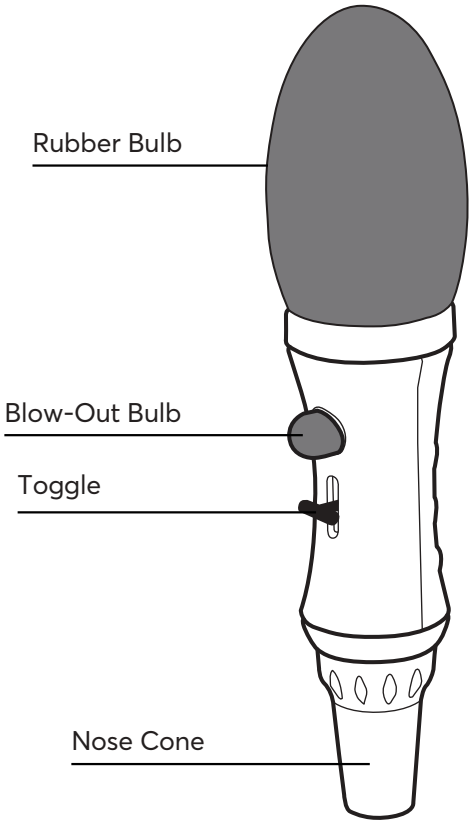
The VWR® Pipette Filler must not be used with liquids whose vapors are incompatible with silicone, ABS, PTFE, PP.

User replaceable accessories and spare parts

Description	EU. Cat. No.	NA Cat. No.
VWR REPLACEMENT PIPETTE ADAPTER SILICONE	612-7285	77200-840
VWR REPLACEMENT FILTER ADAPTER SILICONE	612-7288	77200-838
VWR REPLACEMENT BLUE NOSE CONE W ADAPTER	612-7287	77200-834

Instructions for Use

1. **Attaching the Pipette**: While holding the top of the VWR® Pipette Filler with one hand, carefully push the pipette into the silicone adapter inside the nozzle, twisting it slightly. Excessive force can cause the pipette to break. Use extra caution when inserting thin pipettes.
2. **Aspirating:** Immerse the pipette tip into the liquid. Squeeze the rubber bulb until sufficiently deflated. Push the toggle upward to aspirate. The speed of aspiration is dependent on the amount the toggle is pushed upward from center position. When released, the toggle comes back to center position and aspirated liquid is held in place.
3. **Dispensing:** Place the pipette tip at an angle against the inside of the receiving vessel. Slowly push downward on the toggle; dispensing speed is dependent on the amount the toggle is pulled downward from center position.
4. **Blow Out:** Push the blow-out bulb to expel the liquid remaining in the pipette. This may need to be repeated several times to completely expel all liquid.



Caution! Take care to avoid aspirating liquid into the VWR® Pipette Filler, which can impair performance. If liquid is aspirated into the unit, clean the pipette adapter and nose cone per cleaning instructions (see below) under maintenance. If necessary replace the filter.

General Maintenance

The VWR® Pipette Filler is normally maintenance-free. When necessary, the housing can be wiped occasionally using a damp cloth.

Caution! When cleaning and exchanging the filter, wear protective gloves and safety goggles to avoid the risk of splashes and contamination.

Cleaning the Pipette Adapter and Replacing the Filter

If liquid has entered the nose cone or if the aspirating efficiency has decreased, observe the following instructions:

1. Hold the pipette over a container and remove the pipette.
2. Gently unscrew the nose cone.
3. Remove the filter.
4. Remove the pipette adapter from the nose cone by pushing it upwards.
5. Rinse the pipette adapter with demineralized water and allow to dry at room temperature.
6. To insert a filter, face the side imprinted with the Whatman® name and filter size toward the pipette adapter and push in. The side of the filter with a smooth protrusion and no imprinting should now be visible.
7. Reassemble the VWR® Pipette Filler by reversing the steps above.
8. Test VWR® Pipette Filler for leaks, see "Checking for Leaks".

Checking for Leaks

When the pipette has been filled, liquid should not drip from the pipette when toggle is in center position. Should the pipette drip, disassemble the pipette adapter, filter, and filter adapter. Carefully reassemble.

Notes:

- The pipette adapter, filter, and filter adapter may be steam sterilized at 121°C for 20 minutes.
- It is the user's responsibility to ensure proper sterilization.

Technical Service

Web Resources

Visit the VWR website at www.vwr.com for:

- Complete technical service contact information
- Access to the VWR Online Catalogue, and information about accessories and related products
- Additional product information and special offers

Contact us For information or technical assistance contact your local VWR representative or visit. www.vwr.com.

Warranty

VWR warrants that this product will be free from defects in material and workmanship for a period of five (5) years from date of delivery. If a defect is present, VWR will, at its option and cost, repair, replace, or refund the purchase price of this product to the customer, provided it is returned during the warranty period. This warranty does not apply if the product has been damaged by accident, abuse, misuse, or misapplication, or from ordinary wear and tear. If the required maintenance and inspection services are not performed according to the manuals and any local regulations, such warranty turns invalid, except to the extent, the defect of the product is not due to such non-performance.

Items being returned must be insured by the customer against possible damage or loss. This warranty shall be limited to the aforementioned remedies. IT IS EXPRESSLY AGREED THAT THIS WARRANTY WILL BE IN LIEU OF ALL WARRANTIES OF FITNESS AND IN LIEU OF THE WARRANTY OF MERCHANTABILITY.

Compliance with local laws and regulations

The customer is responsible for applying for and obtaining the necessary regulatory approvals or other authorisations necessary to run or use the Product in its local environment. VWR will not be held liable for any related omission or for not obtaining the required approval or authorisation, unless any refusal is due to a defect of the product.

Our local offices in Europe, AMEA and North America

Austria
VWR International GmbH
Graumanngasse 7
1150 Vienna
Tel.: +43 1 97 002 0
Email: info.at@vwr.com

Belgium
VWR International BV
Researchpark Haasrode 2020
Geldenaaksebaan 464
3001 Leuven
Tel.: +32 016 385 011
Email: vwr.be@vwr.com

Canada
VWR International
2360 Argentia Road
Mississauga, Ontario L5N 5Z7
Tel.: +1 800 932 5000
Email: Canada_Orders@vwr.com

China
VWR (Shanghai) Co., Ltd
Bld.No.1, No.3728 Jinke Rd,
Pudong New District
Shanghai, 201203- China
Tel.: +400 821 8006
Email: info_china@vwr.com

Czech Republic
VWR International s. r. o.
Veetee Business Park
Pražská 442
CZ - 281 67 Stříbrná Skalice
Tel.: +420 321 570 321
Email: info.cz@vwr.com

Denmark
VWR International A/S
Tobaksvejen 21
2860 Søborg
Tel.: +45 43 86 87 88
Email: info.dk@vwr.com

Finland
VWR International Oy
Valimotie 17-19
00380 Helsinki
Tel.: +358 9 80 45 51
Email: info.fi@vwr.com

France
VWR International S.A.S.
Immeuble Estréo
1-3 rue d'Aurion
93114 Rosny-sous-Bois cedex
Tel.: 0 825 02 30 30* (national)
Tel.: +33 (0) 1 45 14 85 00 (international)
Email: info.fr@vwr.com
* 0,18 € TTC/ min + prix appel

Germany
VWR International GmbH
Hilpertstrasse 20a
D - 64295 Darmstadt
Freecall: 0800 702 00 07
Tel.: +49 (0) 6151 3972 0 (international)
Email: info.de@vwr.com

Hungary
VWR International Kft.
Simon László u. 4.
4034 Debrecen
Tel.: +36 (52) 521-130
Email: info.hu@vwr.com

India
VWR Lab Products Private Limited
No.139. BDA Industrial Suburb,
6th Main, Tumkur Road,
Peenya Post,
Bangalore, India – 560058
Tel.: +91-80-28078400
Email: vwr_india@vwr.com

Ireland
VWR International Ltd
Orion Business Campus
Northwest Business Park
Ballycoolin
Dublin 15
Tel.: +353 01 88 22 222
Email sales.ie@vwr.com

Italy
VWR International S.r.l.
Via San Giusto 85
20153 Milano (MI)
Tel.: +39 02-3320311/02-487791
Email: info.it@vwr.com

Korea
Avantor Performance Materials Korea Ltd
2F ACE Gwanggyo Tower I
Daehak 4ro 17
Yeongtong-gu Suwon
Korea 16226
Tel.: +82 31 645 7250
saleskorea@avantorsciences.com

Mexico
VWR International, S.de R.L. de C.V.
Km. 14.5 Carretera
Tlalnepantla-Cuautitlán
Col. Lechería
Tultitlán Edo. de México
CP 54940
Tel.: +52 (55) 5005 0100
vwrmx@vwr.com

Middle East & Africa
VWR International FZ-LLC
Office 203, DSP Lab Complex,
Dubai Science Park
Dubai, United Arab Emirates
Tel.: +971 4 5573271
info.mea@vwr.com

The Netherlands
VWR International B.V.
Postbus 8198
1005 AD Amsterdam
Tel.: +31 020 4808 400
Email: info.nl@vwr.com

Norway
VWR International AS
Brynsalleen 4
0667 Oslo
Tel.: +47 22 90 00 00
Email: info.no@vwr.com

Poland
VWR International Sp. z o.o.
Limbowa 5
80-175 Gdansk
Tel.: +48 058 32 38 210
Email: info.pl@vwr.com

Portugal
VWR International – Mat. de Laboratório, Soc. Unipessoal, Lda
Edifício Ramazzotti
Avenida do Forte 6, P-1.09 e P-1.10
2790-072 Carnaxide
Tel.: +351 21 3600 770
Email: info.pt@vwr.com

Singapore
VWR Singapore Pte Ltd
The Metropolis
Tower 1, #05-03
9 North Buona Vista Drive
Singapore 138588
Tel: +65 6505 0760
Email: sales.sg@vwr.com

Spain
VWR International Eurolab S.L.
C/ Tecnología 5-17
A-7 Llinars Park
08450 - Llinars del Vallès
Barcelona
Tel.: +34 902 222 897
Email: info.es@vwr.com

Sweden
VWR International AB
Esbogatan 16
164 74 Kista
Tel.: +46 08 621 34 20
Email: info.se@vwr.com

Switzerland
VWR International GmbH
Lerzenstrasse 16/18
8953 Dietikon
Tel.: +41 044 745 13 13
Email: info.ch@vwr.com

UK
VWR International Ltd
Customer Service Centre
Hunter Boulevard
Magna Park
Lutterworth
Leicestershire
LE17 4XN
Tel.: +44 (0) 800 22 33 44
Email: uksales@vwr.com

United States
VWR International, LLC
100 Matsonford Road
Building One Suite 200
Radnor, PA 19087
Tel.: +1 800 932 5000
vwrcustomerService@vwr.com