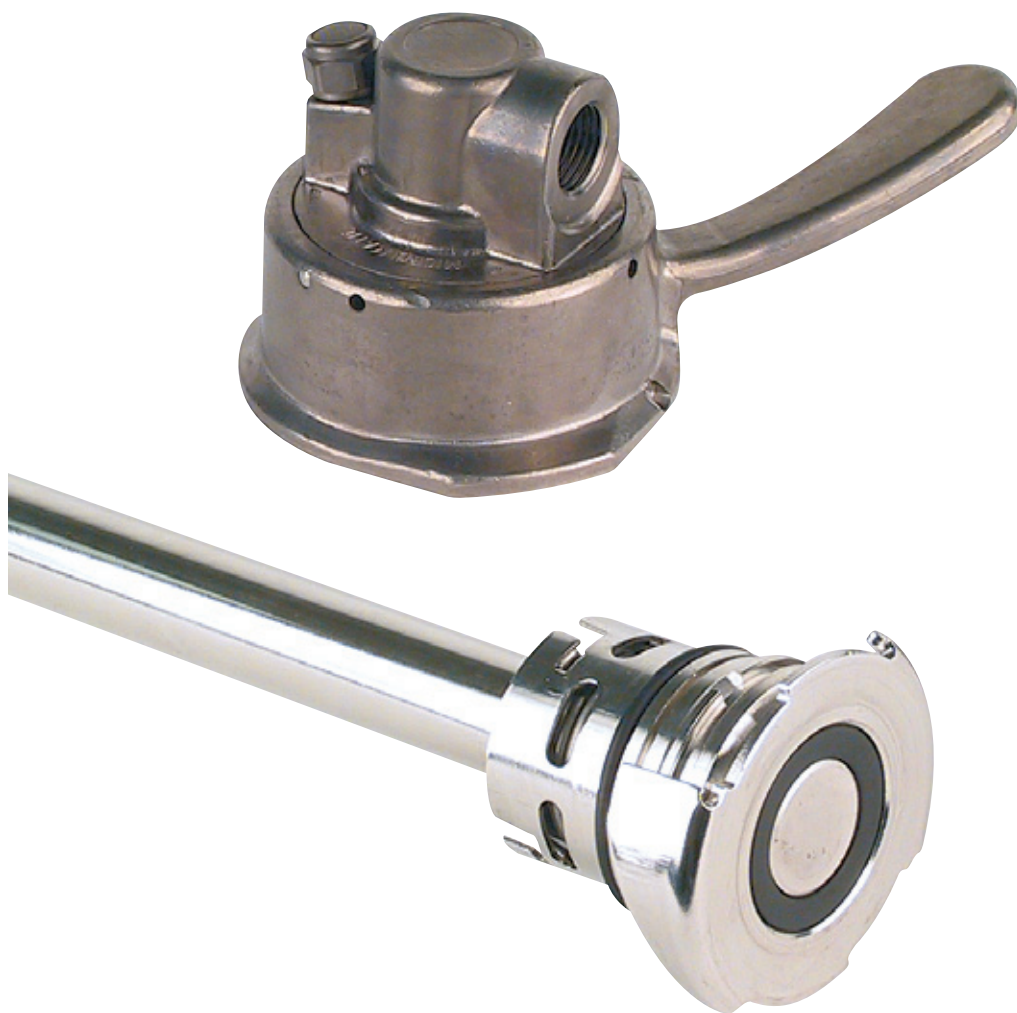




High Viscosity Valve - HVV Instructions



DENMARK:
MICRO MATIC A/S
P.O. Box 29
Holkebjergvej 48
DK – 520 Odense SV
Tel.: +45 66 17 11 22
Fax: +45 66 17 11 33
mmltv@micro-matic.dk

LUXEMBOURG:
MICRO MATIC INT. S.A.
P.O. Box 33
18, rue de Drinklange
L-9911 Troisvierges
Tel.: +352 979030
Fax: +352 979060
mmltv@micro-matic.lu

GERMANY:
MICRO MATIC GmbH
Bremerhavener Str. 29
D-50735 Köln
Tel.: +49 (221) 971402-0
Fax: +49 (221) 971402-40
mmltv@micro-matic.de

GREAT BRITAIN:
MICRO MATIC LTD.
Stancliffe Works
Stancliffe Street, Blackburn
GB-BB2 2QR Lancashire
Tel.: +44 (1254) 671231
Fax: +44 (1254) 682229
mmltv@micro-matic.co.uk

USA
MICRO MATIC, INC.
19791 Bahama Street
Northridge,
USA-CA 91324
Tel.: +1 (818) 882-8012
Fax: +1 (818) 341-9501
mmltv@micro-matic.com

CHINA
MICRO MATIC BEIJING CO.
No. 11 Shi Xing Street
Badachu Hi-Tech Zone
CHINA – 100041 Beijing
Tel.: +86-10-68844106
Fax: +86-10-68844107
mmltv@public.bta.net.cn



EC-declaration of Conformity

Referring to Encl. VII of Directive 97/23/EC

Micro Matic A/S
Holkebjergvej 48
5250 Odense SV
Denmark
Tel. +45 66 17 11 22
Fax +45 66 17 11 33
E-mail: mmltv@micro-matic.dk
Web: www.micro-matic.dk

We affirm, that the product

Valve for container, Type RS-HVV and Type DS-HVV

Manufactured by us fulfills the requirements of Directive 97/23/EC concerning pressure equipment.

The product is in category I and the following conformity assessment procedure is followed:

Module A (Internal production control)

The valve must only be installed and used in a container made specially to fit this valve and the assembly must fulfill the requirements of Directive 97/23/EC before it is put into duty.

Odense, Date _____

Sign. _____

Jan Juel Jensen
Technical Director



High Viscosity Valve - Instructions

Make certain that these instructions are read and understood by anyone using a HVV Valve.

Safety Precautions – Warning!

Keep workplace and equipment clean.

Containers with HVV Valve must only be connected to HVV Valve coupler.

Check the equipment regularly for leaks and do not use unauthorized tools or articles not designed to use with HVV Valve.

Please handle HVV Valve carefully – do not drop.

Prevent foreign matter and dust from getting into the HVV Valve.

Please contact your dealer in case of malfunction or damage. Please do not repair or replace defective parts.

Risk relating to liquid used in the system must be handled with care. See product information and supplier's instructions for use and always wear relevant personal protection equipment such as gloves and glasses.

How to Operate HVV Valve RS-HVV & DS-HVV

The HVV Valve is a unique system for closed returnable liquid packaging and is designed for safety, security and greater efficiency and offers a practical solution for the standardization of returnable containers for all industries.

The system is suitable for a range of liquid products.

The system can offer great efficiency through high speed automated cleaning and filling.

These instructions have been prepared as a guide through the procedures for connection and disconnection HVV Valve.

HVV Connection



1. Fitting and assembly of valve and coupler. Check that the handle is in the closed position. Engage the coupler to the extractor valve (turn clockwise).



2. Activation of coupler and opening of system. Activate the handle by turning clockwise. The handle cannot be activated if the coupler is incorrectly connected to the extractor valve – Do not force, start from the beginning. Push the handle completely to the open position so that the handle is locked. The coupler is now connected to the extractor valve and the system is open.

HVV Disconnection



1. Deactivation of coupler and closing of system. Activate the handle counterclockwise while keeping the coupler on the extractor valve. The system is closed.



2. Removal of coupler from valve. Disengage the coupler from the extractor valve. Remove the coupler from the extractor valve.



HVV Technical Data & Features

Extractor Valve & Coupler

- Fulfills the requirements of Directive 97/23/EC concerning pressure equipment
- Security system prevents unauthorized entry (special tool to remove Extractor Valve)
- The coupler provides additional safety through the use of non-return valves to prevent unauthorized filling
- Dry Break coupling
- Not compatible with chemical or beverage systems
- Max. working press 6 bar
- Max/min working temperature + 45° C / -10° C
- Cleaning temperature: Max 85° C / 2 minutes
- Steaming temperature: Max 130° C / 2 minutes

Materials

Extractor valve:	Stainless Steel Seal options: Viton, Nitrile, EPDM – others on request
Coupler:	Body: Brass tin/nickel plated Piston: Brass Seal options: Viton, Nitrile, EPDM – others on request
External thread – Liquid out:	1/2" RG and 3/4" RG
External thread – Air inlet:	Air inlet filter/ 1/4" RG

Cleaning & Maintenance

Always keep your equipment clean to ensure optimum function and safe use.

When performing cleaning or maintenance jobs of HVV Valve make sure that it is disconnected and make sure no media is entering the component.

Extractor valve

- Wipe flange outside (sealing area) with a wet cloth.
- Inside cleaning is made during the automatic cleaning and filling process.
- The seals must be replaced every time an extractor valve is removed from a container.
- In case of malfunction (damage, trouble, etc.) please contact your supplier.

Coupler

- Wipe coupler outside with a wet cloth.
- Wipe coupler inside in the contact area (main gasket) with a wet cloth.
- Cleaning socket for rinsing the coupler and associated system can be used – auxiliary equipment.
- Change gaskets during disassembly and cleaning, preferably once a year or as required.
- In case of malfunction (damaged, trouble, etc.) please contact your dealer.

See instructions >>Servicing of HVV Valve Extractor RS-HVV and HVV Valve Coupler DS-HVV<<

Mounting & Dismounting of High Viscosity Valve

This manual has been prepared as a step by step guide through the procedures for mounting and dismounting of HVV Valve.

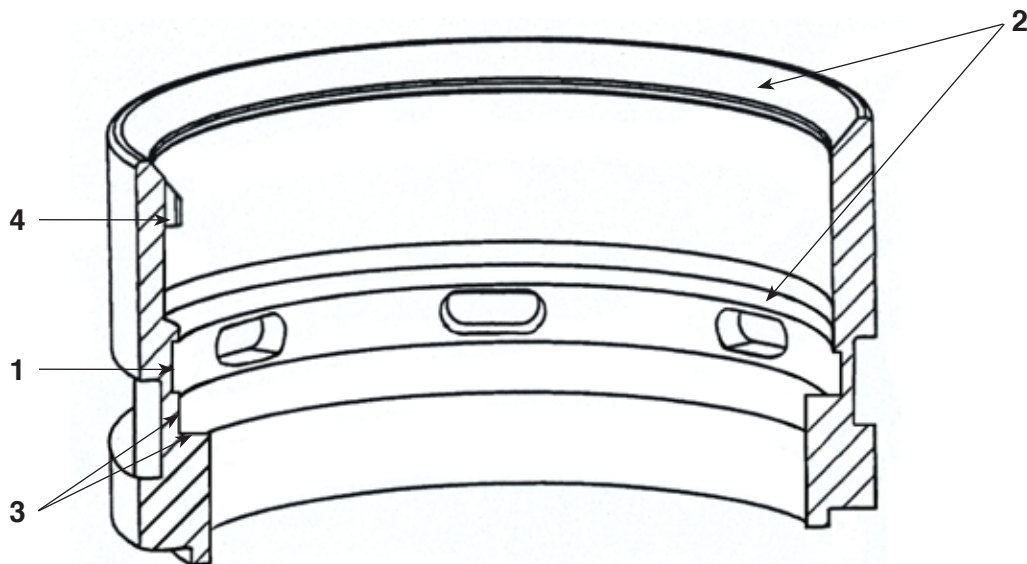
Prior to mounting

Check that the groove is clean in the neck, for circlip placement (1), inlet areas (2) and sealing areas (3) No burrs, damage or other foreign materials in sealing areas.

Check that the neck has 1 lugs (4), and it's undamaged.

Otherwise the extractor valve should not be mounted.

Fig. 1



Inspection of Neck



1. Use an internal limit gauge when checking the neck, it must not exceed Micro Matic specifications of ovalty (53.3 – 56.85 mm). (See also Micro Matic Inspection Sheet No. 001-637). Use a gauge with the smallest dimension on the neck. It must fit without the least difficulty. Otherwise, it will not be possible to mount the extractor valve correctly and the keg should not be used.



2. Place gauge with the largest dimension on the neck. It should not be able to enter the neck. Otherwise, it will not be possible to mount the extractor valve correctly and the keg should not be used.

Mounting Extractor Valve



1. Place tamper evident ring over the neck.



2. Ensure that O-ring and circlip are in place on extractor valve. To fit the valve, moisten it first in a lubricant approved by the end user. If permitted, Teflon spray can also be used. Place extractor valve into neck. Turn until the extractor valve drops and then turn clockwise 180° with a slight pressure until the extractor valve is engaged.



3. Press down extractor valve until the circlip has passed contact area 2 (see Page 7).



4. Place spindle tool (741-004) over the extractor valve.

Mounting Extractor Valve



5. Turn spindle clockwise until you hear no more clicks. Then turn the spindle tool 90° and turn spindle clockwise again to ensure correct mounting.

Dismounting Extractor Valve



1. Break tamper-evident ring to expose six holes.



2. Degas the container. (Use safely)



3. Place valve releasing tool (741-002) so that the six pins fit into the six holes



4. Squeeze the handles gently but not completely together.

Dismounting Extractor Valve



5. Place the lifting tool (741-003) on the retaining ring tool.



6. Turn handle clockwise (741-003) until the extractor valve moves up.



7. Turn extractor valve counterclockwise and remove it from the container.