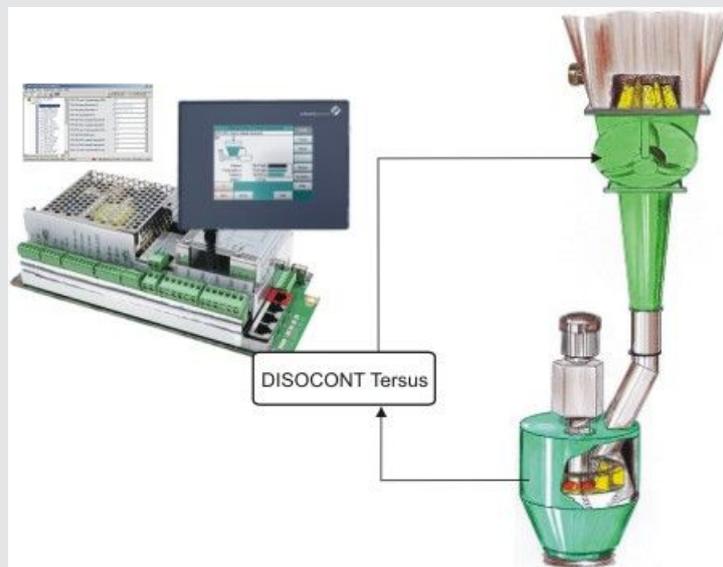


## DISOCONT® Tersus Software update DIT-VMC Technical Information



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Translation of Original Document

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# 1 Introduction

The purpose of this document is to simplify the software update of some Schenck Process control systems necessary to correct an error. It is intended for the technical support staff of the controller on the user side. Basic IT knowledge is assumed, experience from previous software updates is helpful.

It is a summary of information from various separate manuals, in particular BV-H2185, and cannot fully replace these manuals.

## 2 Check for the Necessity of an Update

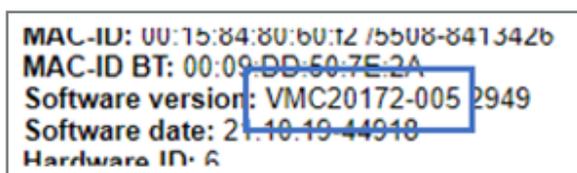
### 2.1 Device With Operator Panel

Select the display of the software version:

DISOCONT Tersus (if VHM operator panel available): *Values* key and then *Version*

### 2.2 Via Browser

1. Connect a PC to the control system with Ethernet patch cable.  
Take note that both devices are in the same IP subnet, but must have different IP addresses. If necessary, the IP address of the PC must be configured.  
If the controller was not previously connected to a network via Ethernet, it usually has the address 192.168.240.1. Otherwise, the address must be determined from the system configuration.
2. Enter the IP address of the control system in the address line of the browser, e.g. 192.168.240.1.  
If access is possible, the browser shows the start page of the control system.
3. Press the jump mark „Identification & Maintenance“ in the left column.
  - ▶ The browser then displays the version number in the right-hand area.



The example shows the software version VMC20172-005.

### 2.3 About Service-Software EasyServe

1. Connect the PC with the control system via an Ethernet patch cable and start the program EasyServe.
2. In the menu select the function *Connection* and there *Ethernet (Scanner)*.
  - ▶ EasyServe shows you all available devices.

3. The software of the control system can be found in the scan list:

|                                  |                 |                   |          |
|----------------------------------|-----------------|-------------------|----------|
| DISOCONT Tersus... 192.168.240.1 | DISOCONT Tersus | VMC20172-003 34 8 | EI005216 |
|----------------------------------|-----------------|-------------------|----------|

The example shows the software version VMC20172-003.

## 2.4 Software Versions Affected

Only the following software versions are affected by the error:

| Software Affected                | Controlled Device | Revised Software |
|----------------------------------|-------------------|------------------|
| VMC20170-xxx                     | MULTICOR          | VMC20172-005     |
| VMC20172-001 and<br>VMC20172-002 | MULTICOR          | VMC20172-005     |

If your software is not affected, the rest of the document is not relevant to you. You should then not update to the new version.

## 3 Update Procedure

### 3.1 Access to the New Software

The revised software can be found on the Internet at the following portal address:

<https://support.schenckprocess.com/>

1. Find the type of software you need on the page and load the appropriate file. The assignment of the software types to the devices can be found in »Software Versions Affected [→5]«.
2. Unzip the file to a drive of your choice. The software to be loaded into the controller has the file extension *.spi*.

### 3.2 Loading New Software

#### 3.2.1 Preparation

To transfer the software, the software EasyServe on a Windows PC is required.

1. First check the version of your EasyServe using the menu function *Help -> About EasyServe*. You need at least version VPC20150-29.
2. If EasyServe is installed in a previous version, copy the existing help files found in the *...\Schenck\Help* directory on your PC to a temporary directory.
3. If not already present, install the version VPC20150-29 (or newer) available via the portal mentioned above on your PC. This usually requires administrator rights on the PC.

4. Now copy the help files previously stored in the temporary directory back into the ...\*Schenck*\Help directory.
5. Switch off all drives controlled by the control system.
6. Connect the PC directly to the control system via Ethernet patch cable.
7. Disconnect further network connections to the control system.
8. Start EasyServe and select the function "Connection" in the menu and there "Ethernet (Scanner)". EasyServe will show you the available control systems in the list.
9. Note down the IP address of your control system displayed in the scanner, e.g. 192.168.240.1.
10. Start the connection to the control system by double-clicking on the corresponding line. If the connection cannot be established within 30 s, the IP address of your PC is probably not in the IP subnet of the control system.
11. Press the "LAN" button to access further information on the PC settings. Set a free IP address for the PC in the subnet of the control system.

### 3.2.2 Save settings

1. Save the parameters active in the control system to a file via the menu function *File -> Save as...* to reconstruct the settings after the software update.
2. Then disconnect the data connection via the menu function *Connection -> Disconnect*.

### 3.2.3 Perform Software Update

1. Start the update routine via the menu function *Extras -> Flash -> Flash SPI...* and continue with the *Next* button.
2. Start the update routine via the menu function *Next*. EasyServe will then show you the software currently running in the control system. Confirm with the *Next* button.
3. Now select the software previously loaded from the portal according to chapter »Access to the New Software [→5]« and confirm with *Next*.
  - ▶ EasyServe now gives an overview of your entries.
4. Use the *Next* button to start the preparation of the software update on the control system side.
  - ▶ EasyServe will prompt you to briefly switch off the voltage of the control system. After switching on the voltage, the new software is loaded into the control. The procedure takes about 5 minutes. Ensure that the **power supply does not fail** during the update.
  - ▶ If the software is not loaded within 30 s after switching on the power, the procedure is probably prevented by the firewall active in the PC. In this case, switch off the firewall temporarily.

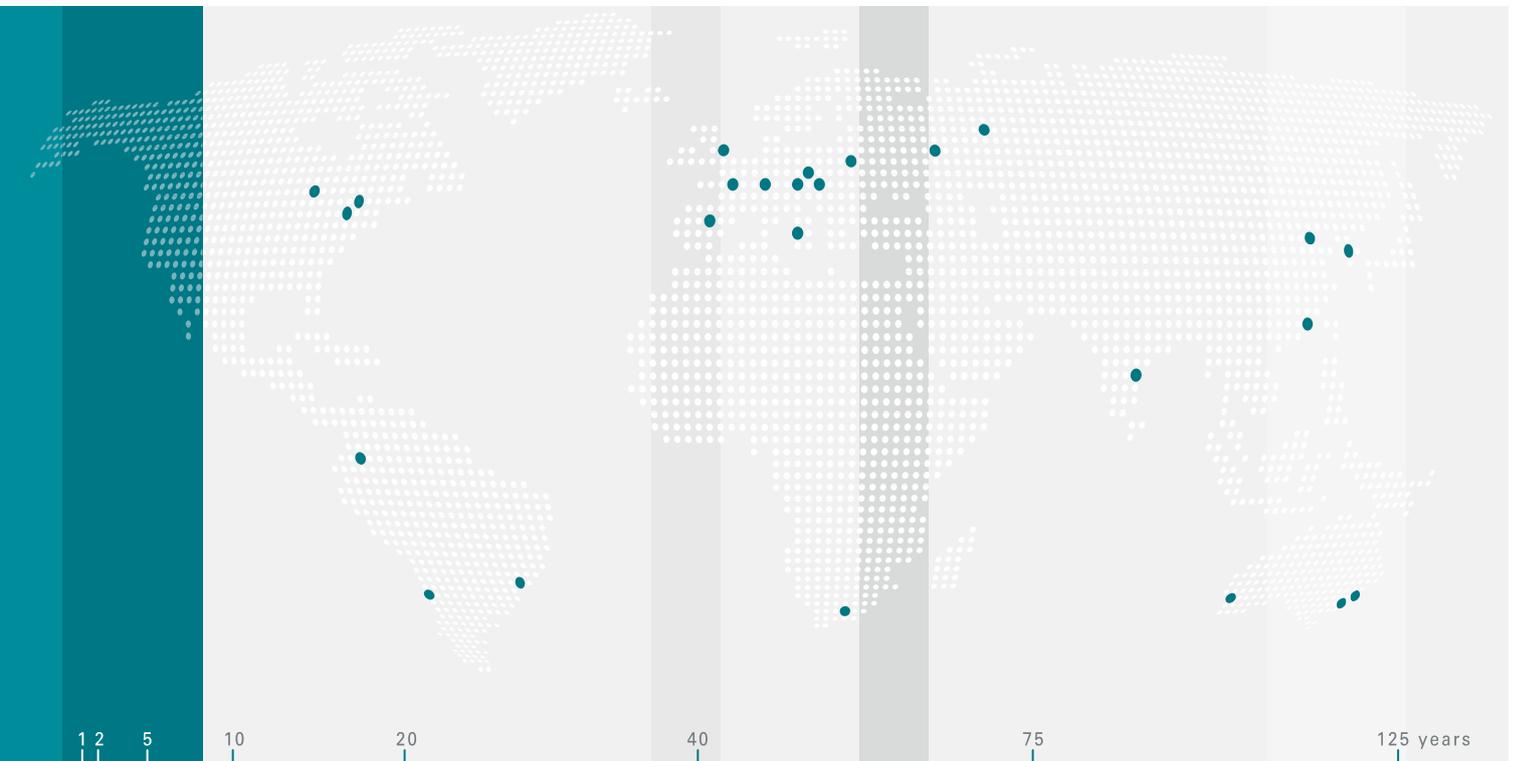
### 3.2.4 Reconstruct Previous Setting

1. After the update is complete, re-establish a data connection to the control system as described in chapter »Preparation [→5]«.
  - ▶ The scanner displays the control system with your IP address. If this address does not match the address noted in chapter »Preparation [→5]« set the previous address using the *Configure* button.
2. Connect to the control system.
3. Load the parameter file saved according to chapter »Save settings [→6]« using the menu function *File -> Open...*
4. Transfer these settings to the control system via the menu function *File -> Transfer...*
5. Confirm that the parameters of the previous software version should be transferred to the new version.

### 3.3 Final Work

After the successful update, disconnect the cable between the PC and the control system again and, if necessary, insert the control system into the system control as it was previously integrated. A re-adjustment is not necessary.

weighing  
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