

## REOVIB MFS 268 **Patented System**

Frequency converters in the **REOVIB MFS 268** series for vibratory conveyor technology offer the option of operating the vibratory conveyor at an optimal vibration frequency for the material - with a wide input voltage range of 110 V to 230 V - completely independently of the frequency of the electrical mains supply. It is moreover possible, thanks to the system patented by REO, to determine the resonant frequency of the vibratory system automatically and to regulate the vibration amplitude to constant values.

Devices can optionally be equipped with field bus interfaces, and are also available as versions with UL/ CSA certification.

Devices in the REOVIB MFS 268 series are available with a max. output current of 3 A, 6 A, 8 A, as IP20 versions for installation in switch cabinets, and also as IP54 case designs. The IP54 housing can be supplied with various connection options:

- Input cable/output cable
- Input cable/output socket
- Complete cable connection solution for mains, output and control connections

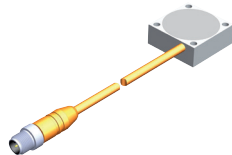
## Advantages

- REO frequency units are able to control a vibratory conveyor independently of the mains input frequency
- Automatic search of the resonant frequency of the vibratory conveyor system (with additional vibration amplitude sensor) and option of regulating vibration amplitude –
- Able to regulate the vibration amplitude to maintain a constant feedrate irrespective of load or changes in the mechanical system
- Can be supplied with field bus interfaces: ProfiNet, EtherNet/IP, EtherCAT, CAN-Bus, ProfiBus, DeviceNet
- Optional versions available with UL/CSA accreditation
- Conveyor frequencies adjustable between 5...300 Hz
- Mains voltage compensation with constant vibration amplitude
- All settings can be made using the integrated display
- Sinusoidal output current
- Can be used on 110 V or 240 V autom. Detection
- User settings can be stored
- Fill level/overflow control
- Versions available in various protection classes and with various connection options
- MFS 269 is available with AC output signal for use with permanent-magnet armature.

**REOVIB MFS 268 IP54**  
(with heat sink 6 A)



**Suitable sensor:**  
REOVIB SW als IP54 Ausführung



**REOVIB MFS 268 IP20**  
ProfiNet\*



\*Also available with the following interfaces: EtherCat, Ethernet / IP, Profinet, Profibus, CAN-Bus, DeviceNet

## Technical data

REOVIB MFS 268	
Mains input	110 / 230 V Auto Detect
Mains frequency	50 / 60 Hz +/- 3 Hz
Output voltage	0...100 V / 0...205 V
Output current	max. 3 A / 6 A / 8 A
Vibration frequency	5...150 Hz (Option 300 Hz)
Setpoint value	Display, Poti, 0...10V, 0(4)...20 mA
Status signal	Relay changer 250 V, 1A (adjustable)
Ready signal	Relay changer 250 V, 1A (adjustable)
Ext. Enable	24 V DC, Switch
Valve output	24 V, 150 mA (Option)
Sensor supply	24 V DC
Setting $U_{min}$ / $U_{max}$	LED-Display
Soft start	Adjustable 0...60 Sek.
Soft stop	Adjustable 0...60 Sek.
Fill level/overflow control	PNP, 24 V DC
Coarse/fine control	✓
Vibration amplitude regulation	✓
Resonant frequency search	✓
Resonance frequency control	✓
Selectable timer function	✓
Sensor time out monitor *	✓
Mains voltage compensation	✓
Short-circuit detection	✓
Output current limitation	✓
Connection for thermal contact for Magnet temperature monitoring (Option)	-
Extra 24 V valve outlet as an option *1	✓
Field bus interfaces	ProfiNet, EtherNet/IP, EtherCat, Profibus-DP, CAN-Bus, DeviceNet,
Conformity	CE, RoHS , UL
Protection class	IP20 / IP54
Ambient temperature	0...45 °C



Optional UL-certified

\* For IP54

Typical applications: Conveyor & assembly automation, conveyor technology, sieving technology, filling and packaging technology

## Interfaces

