

# REMS Multi-Push

Electronic flushing and pressure testing unit with compressor

Powerful, compact, electronic flushing and pressure testing unit with oil-free compressor. For flushing with water or a water/air mixture, disinfection, cleaning, preservation of pipe systems, for pressure and leak testing of pipe systems and vessels with compressed air or water, as a pneumatic pump for controlled filling of all types of vessels with compressed air and for operation of pneumatic tools.

## Flushing

Water pressure pipe network  $p \leq 1 \text{ MPa}/10 \text{ bar}/145 \text{ psi}$   
Pipe diameter installation  $\leq \text{DN } 50, 2''$

Disinfection of drinking water installations

Cleaning and preservation of heating systems

Water temperature  $5 - 35^\circ\text{C}$

Water flow  $\leq 5 \text{ m}^3/\text{h}$

## Pressure test

with compressed air  $p \leq 0,4 \text{ MPa}/4 \text{ bar}/58 \text{ psi}$

Pressure test with water  $p \leq 1,8 \text{ MPa}/18 \text{ bar}/261 \text{ psi}$

Pneumatic pump for controlled filling of all types of vessels with compressed air  $p \leq 0,8 \text{ MPa}/8 \text{ bar}/116 \text{ psi}$

Operation of pneumatic tools

Operating pressure  $p \leq 0,8 \text{ MPa}/8 \text{ bar}/116 \text{ psi}$

Suction rate  $\leq 230 \text{ NI}/\text{min}$

**REMS Multi-Push – only one device with more than 10 programs for flushing and pressure testing with compressed air or water of drinking water and heating installation, etc. Very simple menu-guided operation in 26 languages. Permanent process monitoring. Logging. USB interface.**

## Universal use

Only **one** device for flushing with water or a water/air mixture, disinfection, cleaning, preservation of pipe systems, for pressure and leak testing of pipe systems and vessels with compressed air or water, e.g. drinking water installations, radiators or area heating systems, as a pneumatic pump for controlled filling of all types of vessels with compressed air, e.g. for pumping up expansion vessels or tyres and for operating pneumatic tools.

## Design

Powerful, compact, electronic flushing and pressure testing unit with oil-free compressor. Handy, easily portable, REMS Multi-Push SL only 37 kg, REMS Multi-Push SLW only 39 kg. Measuring and control devices for automatically running the flushing and test programs and for documenting the results. Safety devices for avoiding contamination of the pipe network by flow-back. Overpressure valves for pressure limiting. 5 µm condensation and particle filters. Large tubular steel frame as a compressed air tank. Two practical handles for easy carrying. Space-saving, folding handle grip for easy movement. Mobile tubular steel frame with two rubber-tired wheels for easy transport and 2 rubber feet for firm standing. Connecting cable with integrated personal protection switch (PRCD). Captive seals for inputs and outputs of the REMS Multi-Push to avoid contamination during transport and storage.

REMS Multi-Push SLW additionally with hydro-pneumatic water pump for generating the necessary water pressure for hydrostatic pressure testing of pipe systems and vessels with water.

## Compressor

Proven, powerful, oil-free piston compressor with crank drive, maintenance-free, with capacitor motor 230 V, 1,500 W. Pressure gauge for displaying the air pressure in the compressed air tank. Emergency stop button.

## Hoses

Transparent 1" suction/pressure hose with fabric inlay, 1.5 m long, with 1" hose screw fittings for flushing, disinfection, cleaning, preservation and pressure testing with water. Pneumatic hose 8 mm, 1.5 m long, with DN 5 quick couplings, for pressure testing with compressed air, High-pressure hose ½", with fabric inlay, 1.5 m long, with ½" hose screw fitting, for pressure testing with water. Captive seals for inputs and outputs of the hoses to avoid contamination during transport and storage. Connecting hose for blowing out remaining water from the REMS Multi-Push and hoses at the end of the work, as an accessory.



### Input and control unit

Easy to operate. Menu-guided input and menu-guided control of more than 10 flushing and test programs in 26 languages with edit option for the user to adapt the factory-set test criteria (test sequences, pressures and times) or defaults to the respective national safety provisions, rules and regulations valid for the application site. Format selection for date and time and selection of the different units. Input and control unit with 3" display with modern LCD technology, 76 mm screen diagonal, 128 × 64 pixels. Permanent process monitoring during the program sequences. USB port for USB stick or printer. The respective latest version software for the input and control unit is available via USB stick as a download under [www.rems.de](http://www.rems.de) → Downloads → Software.

### Flushing

Flushing of drinking water installations with water or with a water/air mixture with intermittent compressed air in accordance with EN 806-4:2010 and information leaflet "Flushing, Disinfection and Commissioning of Drinking Water Installations" (August 2014) of the German Central Association for Sanitary, Heating and Air Conditioning (ZVSHK) and for flushing of radiators and area heating systems.

### Disinfection

Disinfection unit for disinfection of drinking water installations in accordance with EN 806-4:2010 and information leaflet "Flushing, Disinfection and Commissioning of Drinking Water Installations" (August 2014) of the German Central Association for Sanitary, Heating and Air Conditioning (ZVSHK) and other pipe systems, as an accessory. REMS Peroxi Color, consisting of a 1 l bottle of REMS Peroxi dosing solution for disinfection of approx. 100l pipe volumes and a 20 ml bottle of REMS Color dye for dyeing the dosing solution (see page 102).

### Cleaning and preservation

Cleaning and preservation unit H for cleaning and preserving heating systems, as an accessory. Cleaner and corrosion protection for respectively approx. 100l pipe volumes (see page 102).

### Pressure and leak testing with compressed air

Leak testing of drinking water installations with compressed air in accordance with information leaflet "Leak Testing of Drinking Water Installations" (January 2011) of the German Central Association for Sanitary, Heating and Air Conditioning (ZVSHK) and pressure and leak testing of other pipe systems and vessels.

Load testing of drinking water installations with compressed air in accordance with information leaflet "Leak Testing of Drinking Water Installations" (January 2011) of the German Central Association for Sanitary, Heating and Air Conditioning (ZVSHK) and other pipe systems and vessels.

### Pressure and leak testing with water

REMS Multi-Push SLW with hydro-pneumatic water pump for hydrostatic pressure testing of drinking water installations with water in accordance with EN 806-4:2010, test method A, B or C or test method B, modified in accordance with information leaflet "Leak Testing of Drinking Water Installations" (January 2011) of the German Central Association for Sanitary, Heating and Air Conditioning (ZVSHK) and for pressure and leak testing of other pipe systems and vessels.

### Pneumatic pump

Pneumatic pump for controlled filling of all types of vessels with compressed air ≤ 0.8 MPa/8 bar/116 psi, with automatic switch-off on reaching the preset air pressure, e.g. for pumping up expansion vessels or tyres.

### Operation of pneumatic tools

Connection for pneumatic tools up to an air requirement ≤ 230 NI/min, adjustable, for adaptation to the pneumatic tool being used. Pressure gauge for controlling the air pressure supplied by the compressed air tank. Pneumatic hose with quick coupling NW 7.2, as an accessory.

### Logging

Results of the flushing and test programs are saved with date, time and log number in the selected language and can be transferred to USB stick or printer for documentation. Additions to saved data, e.g. customer name, project number, tester, are possible on external devices (e.g. PC, laptop, tablet-PC, Smartphone).



# REMS Multi-Push

Electronic flushing and pressure testing unit with compressor

## Supply format

**REMS Multi-Push SL Set.** Electronic flushing and pressure testing unit with oil-free compressor. For flushing with water or a water/air mixture, disinfection, cleaning, preservation of pipe systems, for pressure and leak testing of pipe systems and vessels with compressed air, as a pneumatic pump for controlled filling of all types of vessels with compressed air  $p \leq 0.8 \text{ MPa}/8 \text{ bar}/116 \text{ psi}$ , and for operation of pneumatic tools  $\leq 230 \text{ NI}/\text{min}$  Input and control unit Piston compressor with crank drive, capacitor motor 230 V, 50 Hz, 1500 W. Person circuit breaker (PRCD). 2 off 1" suction/pressure hoses, 1,5 m long, with 1" hose screw fittings, 1 pneumatic hose 8 mm, 1,5 m long, with DN 5 quick couplings, for pressure testing with compressed air. Seals for inputs and outputs. Mobile tubular steel frame. Without feeder unit for additives. In a carton

	Art.-No.
	115610

Other voltages on request.



## Supply format

**REMS Multi-Push SLW Set.** Electronic flushing and pressure testing unit with oil-free compressor. For flushing with water or a water/air mixture, disinfection, cleaning, preservation of pipe systems, for pressure and leak testing of pipe systems and vessels with compressed air or water, as a pneumatic pump for controlled filling of all types of vessels with compressed air  $p \leq 0.8 \text{ MPa}/8 \text{ bar}/116 \text{ psi}$ , and for operation of pneumatic tools  $\leq 230 \text{ NI}/\text{min}$  Input and control unit Piston compressor with crank drive, capacitor motor 230 V, 50 Hz, 1500 W. Hydro-pneumatic water pump. Personal protection switch (PRCD). 2 off 1" suction/pressure hoses, 1,5 m long, with 1" hose screw fittings, 1 pneumatic hose 8 mm, 1,5 m long, with DN 5 quick couplings, for pressure testing with compressed air. 1 high-pressure hose  $\frac{1}{2}$ ", 1,5 m long, with  $\frac{1}{2}$ " hose screw fittings, for pressure testing with water. Seals for inputs and outputs. Mobile tubular steel frame. Without feeder unit for additives. In a carton

	Art.-No.
	115611

Other voltages on request.



## Accessories

Description	Art.-No.
<b>Fine filter with fine filter cartridge 90 <math>\mu\text{m}</math></b> , washable, with large dirt collection vessel	115609
<b>Fine filter cartridge 90 <math>\mu\text{m}</math></b> , for fine filter with fine filter cartridge 90 $\mu\text{m}$	043054
<b>Connecting hose compressor/water connections</b> , for blowing out water remains from the REMS Multi-Push and the suction/pressure hoses at the end of work	115618
<b>Pressure gauge, <math>p \leq 6 \text{ MPa}/60 \text{ bar}/870 \text{ psi}</math></b> , for pressure and leak testing of pipe systems and vessels up to 6 MPa/60 bar/870 psi.	115140
<b>Fine scaled pressure gauge, <math>p \leq 1.6 \text{ MPa}/16 \text{ bar}/232 \text{ psi}</math></b> , for pressure and leak testing of pipe systems and vessels up to 1.6 MPa/16 bar/232 psi.	115045
<b>Fine scaled pressure gauge, <math>p \leq 250 \text{ hPa}/250 \text{ mbar}/3.6 \text{ psi}</math></b> , for pressure and leak testing of pipe systems and vessels up to 250 hPa/250 mbar/3.6 psi.	047069
<b>Compressed air hose NW 7.2</b> for connecting compressed air tools, with NW 7.2 quick coupling	115621
<b>Printer</b> for printing the stored results of the flushing and test programs, 1 roll of paper, USB connecting cable, power supply/charger Ni-Mh 100–240 V, 50–60 Hz, 3 W	115604
<b>Paper roll</b> , pack of 5 for printer	090015
<b>Disinfection unit TW</b> for drinking water installations, for feeding dosing solution for disinfection	115602
<b>REMS Peroxi Color</b> , 1l bottle of REMS Peroxi dosing solution for disinfection of approx. 100l pipe volumes and a 20 ml bottle of REMS Color dye for dyeing the dosing solution.	115605
<b>Test strips <math>\text{H}_2\text{O}_2</math></b> , pack of 100, for checking full flushing out of the dosing solution after disinfection	091072
<b>Cleaning and preservation unit H</b> for heating systems, for feeding cleaning agent and corrosion protection	115612
<b>REMS CleanH</b> 1l bottle of cleaner for heating systems, for approx. 100l pipe volumes.	115607
<b>REMS NoCor</b> 1l bottle of corrosion protection for preserving heating systems, for approx. 100l pipe volumes.	115608

