

Electronic flushing and pressure testing unit with oil-free compressor.

REMS Multi-Push

EN 806-4

ZVSHK¹⁾
DVGW²⁾

REMS
Multi-Push SLW

REMS

for Professionals



Only one device with more than 10 automatic programs for flushing, disinfection, pressure testing with compressed air or water of drinking water installations and cleaning and preservation of heating systems etc.

- Flushing with water or water/air mixture
- Disinfection of drinking water installations
- Cleaning and preservation of heating systems
- Pressure and leak testing with compressed air
- Pressure and leak testing with water (test method A, B, C etc.)
- Pneumatic pump
- Operation of pneumatic toolsn

Very easy menu guidance in 26 languages.

Permanent process monitoring.

Logging.

USB interface.

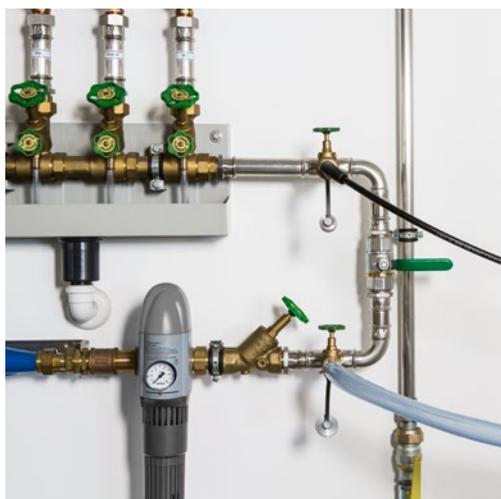


REMS Multi-Push – electronic flushing and pressure testing unit with oil-free compressor.

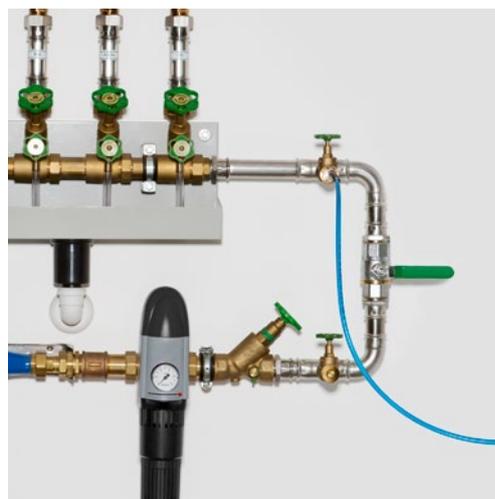
Only one device for flushing with water or a water/air mixture, disinfection, cleaning, preservation of pipe systems, for pressure testing of pipe systems and vessels with compressed air or water, e.g. drinking water installations, radiators or area heating systems, for pressure testing of gas installations with compressed air, 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. **(Patent EP 2 816 231 pending)**.

- 1** 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.
- 2** Measuring and control devices for automatically running the flushing and test programs up to documentation of the results.
- 3** Safety devices for avoiding contamination of the pipe network by flow-back. Overpressure valves for pressure limiting. 5 µm condensation and particle filters.
- 4** Large tubular steel frame as a pneumatic tank.
- 5** Two practical handles for easy carrying.
- 6** Space-saving, folding handle grip for easy movement.
- 7** Mobile tubular steel frame with 2 rubber tyred wheels for easy transport and 2 rubber feet for firm standing.
- 8** Connecting cable with integrated personal protection switch (PRCD).
- 9** Captive caps for sealing the inputs and outputs of the REMS Multi-Push to avoid contamination during transport and storage.
- 10** **REMS Multi-Push SLW** additionally with hydro-pneumatic water pump for generating the necessary water pressure for hydro-static pressure testing of pipe systems and vessels with water.

Pressure testing with water

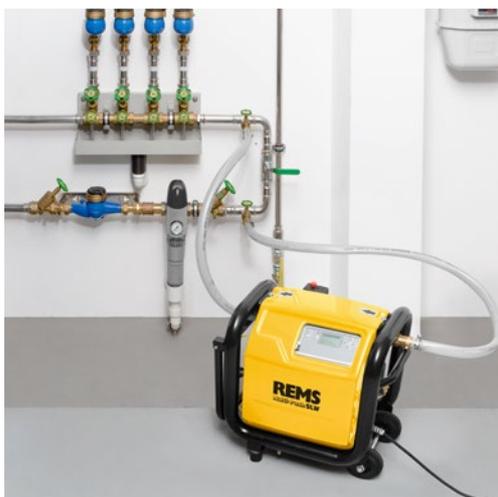


Pressure testing with compressed air



- 11 Compressor**
Proven, powerful, oil-free piston compressor with crank drive, with capacitor motor 230 V, 1,500 W.
- 12** Pressure gauge for displaying the air pressure in the pneumatic tank. Emergency stop button.
- 13 Input and control unit**
Simple operation. 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.
- 14** 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 free download under www.rems.de → Downloads → Software.
- 15** Ø 1" transparent suction/pressure hose, with fabric inlay, 1.5 m long, with 1" hose screw fittings, with fastenings, for flushing, disinfection, cleaning, preservation and pressure testing with water.
- 16** Pneumatic hose Ø 8 mm, 1.5 m long, with DN 5 quick coupling and ½" hose screw fitting, for pressure testing with compressed air.
- 17** High pressure hose Ø ½", with fabric inlay, 1.5 m long, with ½" hose screw fittings, with fastenings, for pressure testing with water with REMS Multi-Push SLW.
- 18** Captive caps for the inputs and outputs of the hoses to avoid contamination during transport and storage.
- 19** Connecting hose compressor/water connections, 0.6 m long, with DN 7.2 quick coupling and 1" hose screw fitting, 1" double nipple, for blowing out water remains from REMS Multi-Push and suction/pressure hoses at the end of work.

Flushing of drinking water installations



Disinfection of drinking water installations



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. Also for flushing pipe systems with a water/air mixture with constant compressed air.

Disinfection **20**

REMS V-Jet TW 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 1l bottle of REMS Peroxi dosing solution for disinfection of approx. 100l line volume and 20ml bottle of red REMS Color dye for dyeing the dosing solution for filling and wash-out check, pipette for checking the effectiveness of the dosing solution. Feeding of the disinfectant solution without additional dosing pump (**Patent EP 2 954 960 pending**).

Cleaning and preservation

REMS V-Jet H cleaning and preservation unit for cleaning and preserving heating systems, as an accessory. Cleaner, dyed green for filling and wash-out check and corrosion protection, dyed blue for filling check, for approx. 100 l line volume respectively. Feeding of cleaner and corrosion protection without additional dosing pump (**Patent EP 2 954 960 pending**).

Pressure testing with compressed air

Leak testing of drinking water installations with compressed air according to information leaflet "Leak Testing of Drinking Water Installations with Compressed Air, Inert Gas or Water" (January 2011) of the German Central Association for Sanitary, Heating and Air Conditioning (ZVSHK), leak testing of gas installations with compressed air according to the technical rule "DVGW-TRGI 2008, Technical Rules for Gas Installations – DVGW Worksheet G 600" of the German Gas and Water Association (DVGW) and leak testing of other pipe systems and vessels with compressed air.

Load testing of drinking water installations with compressed air according to information leaflet "Leak Testing of Drinking Water Installations with Compressed Air, Inert Gas or Water" (January 2011) of the German Central Association for Sanitary, Heating and Air Conditioning (ZVSHK), load testing of gas installations with compressed air according to the technical rule "DVGW-TRGI 2008, Technical Rules for Gas Installations – DVGW Worksheet G 600" of the German Gas and Water Association (DVGW) and load testing of other pipe systems and vessels with compressed air.

Pressure 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 with Compressed Air, Inert Gas or Water" (January 2011) of the German Central Association for Sanitary, Heating and Air Conditioning (ZVSHK) and for pressure testing of other pipe systems and vessels.

Pneumatic pump **21**

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 **22**

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



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 testing of pipe systems and vessels with compressed air, as a pneumatic pump for controlled filling of all types of vessels with compressed air $p \leq 0.8$ MPa/8 bar/116 psi, and for operation of pneumatic tools ≤ 230 NI/min. Input and control unit. Piston compressor with crank drive, capacitor motor 230 V, 50 Hz, 1,500 W, person circuit breaker (PRCD). Mobile tubular steel frame. Fastenings for water inputs and outputs of the REMS Multi-Push. Two $\varnothing 1$ " suction/pressure hoses, with fabric inlay, 1.5 m long, with 1" hose screw fittings, with caps. One $\varnothing 8$ mm compressed air hose, 1.5 m long, with quick coupling DN 5 and $\frac{1}{2}$ " hose screw fitting, for pressure testing with compressed air. Connecting hose compressor/water connections, 0.6 m long, with quick coupling DN 7.2 and 1" hose screw fitting, 1" double nipple, for blowing out water remains from REMS Multi-Push and suction/pressure hoses at the end of work. Without disinfection unit, without cleaning and preservation unit. In a carton.

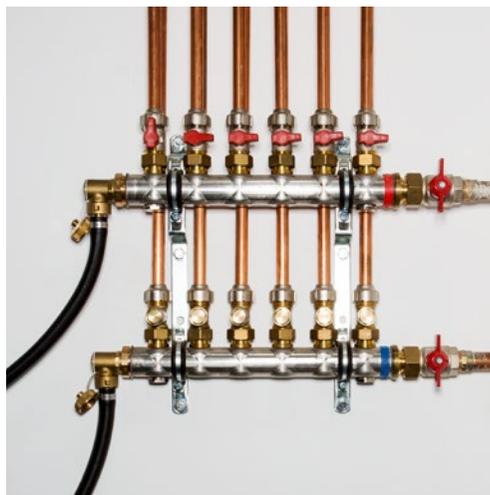
Art.-No. 115610 R220



REMS Multi-Push SLW Set. Same as REMS Multi-Push SL Set, Art. No. 115610, additionally with hydro-pneumatic water pump and one high-pressure hose $\varnothing \frac{1}{2}$ ", 1.5 m long, with $\frac{1}{2}$ " hose screw fittings, with caps, for pressure testing of pipe systems and vessels with water. In a carton.

Art.-No. 115611 R220

Flushing, cleaning and preservation of radiators and area heating systems.



Accessories



Fine filter with fine filter insert 90 µm
washable, with large dirt collection vessel Art.-No. 115609 R

Fine filter insert 90 µm
for fine filter with fine filter insert 90 µm Art.-No. 043054

Pressure gauge, $p \leq 6 \text{ MPa}/60 \text{ bar}/870 \text{ psi}$
for the pressure and leak testing of pipe systems
and vessels up to 6 MPa/60 bar/870 psi Art.-No. 115140

Fine scaled pressure gauge, $p \leq 1.6 \text{ MPa}/16 \text{ bar}/232 \text{ psi}$
for the pressure and leak testing of pipe systems
and vessels up to 1.6 MPa/16 bar/232 psi. CL 1,0. Art.-No. 115045

Fine scaled pressure gauge, $p \leq 250 \text{ hPa}/250 \text{ mbar}/3.6 \text{ psi}$
for the pressure and leak testing of pipe systems
and vessels up to 250 hPa/250 mbar/3.6 psi. CL 1,6. Art.-No. 047069

Pneumatic hose Ø 14 mm, 1.5m long, with DN 7.2
quick couplings, for connecting pneumatic tools Art.-No. 115621 R

Pneumatic hose Ø 8 mm, 7 m long, with DN 5
quick coupling and ½" hose screw fitting, for pressure
testing with compressed air. Art.-No. 115667 R

High pressure hose Ø ½", 7 m long, with ½" hose screw
fittings, with caps, for pressure testing of pipe systems
and vessels with water with REMS Multi-Push SLW. Art.-No. 115661 R

Ø 1" Suction/pressure hose, with fabric inlay, 1.5m long,
with 1" screw fittings for flushing, disinfection, cleaning,
preservation and pressure testing with water. Art.-No. 115633 R

Double nipple 1", for connecting 2 suction/pressure hoses
and blowing out the suction/pressure hoses Art.-No. 045159

Printer 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 Art.-No. 115604 R

Paper roll, pack of 5 for printer Art.-No. 090015 R

Case with inlays for printer, paper rolls
and other accessories Art.-No. 115703 R

Accessories



REMS V-Jet TW, disinfection unit for drinking water installations, for feeding dosing solution for disinfection Art.-No. 115602 R

REMS Peroxi Color, 1l bottle of REMS Peroxi dosing solution for disinfection of approx. 100l line volume, 20 ml bottle of red REMS Color dye for dyeing the dosing solution for filling and wash-out check, pipette for checking the effectiveness of the dosing solution. Art.-No. 115605 R

Test strips H₂O₂ 0–1,000 mg/l, pack of 100, for checking the concentration of the disinfection solution Art.-No. 091072

Test strips H₂O₂ 0–50 mg/l, pack of 100, for checking the complete flushing out of the disinfection solution after disinfection Art.-No. 091073

REMS V-Jet H, cleaning and preservation unit for heating systems, for feeding cleaner and corrosion protection. Art.-No. 115612 R

REMS CleanH 1 l bottle of cleaner for heating systems, dyed green for filling and wash-out check, for approx. 100 l line volume. Art.-No. 115607 R

REMS NoCor 1 l bottle of corrosion protection for preservation of heating systems, dyed blue for filling check, for approx. 100 l line volume. Art.-No. 115608 R