REMS Multi-Push SL/SLW Connected

Electronic flushing and pressure testing units with Connected functionality via Wi-Fi radio standard

Powerful, compact, electronic flushing and pressure testing unit with oil-free compressor. With Connected functionality via Wi-Fi radio standard. 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, as a pneumatic pump for controlled filling of all types of vessels with compressed air and for operation of pneumatic tools.	
Flushing and desilting Water pressure pipe network Pipe diameter installation	 p ≤ 1 MPa/10 bar/145 psi ≤ DN 50, 2"
Disinfection of drinking water installations	
Cleaning and preservation of radiators and area heating systems	
Water temperature	5 – 35°C
Water flow	≤ 5 m^3/h
Pressure test with compressed air	p ≤ 0.4 MPa/4 bar/58 psi
Pressure test with water	p ≤ 1.8 MPa/18 bar/261 psi
Pneumatic pump for controlled filling of all types of vessels with compressed air	p ≤ 0.8 MPa/8 bar/116 psi
Operation of pneumatic tools Operating pressure Suction rate	 p ≤ 0.8 MPa/8 bar/116 psi ≤ 230 Nl/min

REMS Multi-Push SL/SLW Connected – only one device with 8 filling/flushing programs and up to 12 automatically running pressure testing programs. User-friendly menu guidance takes you step by step through the flushing and testing process. Permanent process monitoring. LCD colour display with touch function. Connected functionality via Wi-Fi radio standard. Creating reports with texts and pictures.

Universal use

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)**.

Design

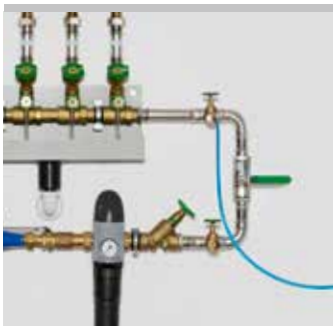
Powerful, compact, electronic flushing and pressure testing unit with oil-free compressor. Handy, easily portable, REMS Multi-Push SL Connected only 37 kg, REMS Multi-Push SLW Connected only 39 kg. Measuring and control devices for automatically running the flushing and test programs and for documenting 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-tyred wheels for easy transport and 2 rubber feet for firm standing. Connecting cable with integrated personal protection switch (PRCD). 2 hooks for winding up the power cable. Captive seals for inputs and outputs of the REMS Multi-Push SL/SLW Connected to avoid contamination during transport and storage. Practical hood for protecting the machine during transport and storage as an accessory.

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

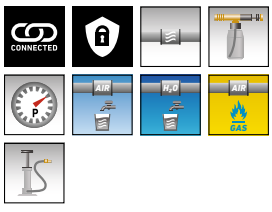
Input and control unit with 4.3" colour display

Input and control unit with 4.3" colour display with touch function and modern TFT LCD technology, 110 mm screen diagonal, 480 × 272 pixels. Pictograms for simple selection of the filling/flushing and pressure testing programs User-friendly menu guidance takes you step by step through the flushing and testing process 8 filling/flushing programs and 12 automatically running pressure testing programs in 26 languages Possibility for the user to change the factory-set default values for adaptation to the applicable national safety provisions, rules and regulations for the application site Settable date format, time format, time zone, unit of pressure, unit of temperature, unit of length. Permanent process monitoring during the program sequences Display of error messages and notices.

Patent EP 2 816 231
Patent EP 2 954 960



German Quality Product



REMS Multi-Push SL/SLW Connected

Electronic flushing and pressure testing units with Connected functionality via Wi-Fi radio standard

Connected functionality

REMS Multi-Push SL/SLW Connected offers various additional functionalities through the REMS Service Portal such as, for example: Recording of flushing and test data, upload and save notes and pictures for flushing and testing processes, creation of logs with your own company logo, display of error messages, configuration of the product (date format, time format, time zone, unit of pressure, unit of temperature, unit of length), set-up of usage bars (immediate bar or feedback interval as anti-theft, time and date range for barring times), display of notices (annual inspection and periodic testing, new firmware version), download and installation of new firmware versions.

Wi-Fi connection to the Cloud

REMS Multi-Push Connected sends collected data (flushing and test data, error messages, configuration of the product, etc.) to the Cloud after registration and with an existing Internet connection. The data are processed and stored there. The user can access these data through the REMS Service Portal. Changes to the configuration and usage bars are sent back to the flushing and pressure testing unit with an existing Internet connection.

Compressor

Proven, powerful, oil-free piston compressor with crank drive, with capacitor motor 230 V, 1500 W. Pressure gauge for displaying the air pressure in the compressed air tank. Emergency stop button.

Hoses

Transparent Ø 1" suction/pressure hose, with fabric inlay, 1.5 m long, with 1" hose screw fittings, with caps, for flushing, disinfection, cleaning, preservation and pressure testing with water. High-pressure hose Ø ½", with fabric inlay, 1.5 m long, with ½" hose screw fittings, with caps, for pressure testing with water with REMS Multi-Push SLW Connected. Captive caps for the inputs and outputs of the hoses to avoid contamination during transport and storage. Compressed air hose Ø 8 mm, 1.5 m long, with quick coupling DN 5 and ½" hose screw fitting, for pressure testing with compressed air. Compressed air hose Ø 8 mm, 1.5 m long, with quick coupling DN 5 (plug, socket) for gas 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 SL/SLW Connected and suction/pressure hoses at the end of work.

Desilting and flushing according to prEN 14336

Easy switching of the air supply during the flushing process when desilting radiator and flat heater systems with the following possibilities: (1) without compressed air, (2) intermittent compressed air, (3) constant compressed air.

Flushing according to EN 806-4

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).

Disinfection

REMS V-Jet TW disinfection unit for disinfection of drinking water installation 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), according to Technical Rule DVGW W 551-3 (A) (August 2022), Hygiene in the Drinking Water Installation – Part 3: Cleaning and Disinfection, Germany 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. 100 l line volume and 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 (page 147). Feeding of the disinfectant solution without additional dosing pump **(Patent EP 2 954 960).**

Cleaning and preservation

REMS V-Jet H cleaning and preservation unit for cleaning and preserving radiators and area 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 (page 147). Feeding of cleaner and corrosion protection without additional dosing pump **(Patent EP 2 954 960).**

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 2017) 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 2018, 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 2017) 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 2018, 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.

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Pressure testing with water

REMS Multi-Push SLW 2017 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 2017) of the German Central Association for Sanitary, Heating and Air Conditioning (ZVSHK) and for pressure 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 Nl/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 DN 7.2, as an accessory.

Supply format

REMS Multi-Push SL Connected Set. Electronic flushing and pressure testing unit with oil-free compressor and Connected functionality via Wi-Fi radio standard. For flushing with water or a water/air mixture, disinfection, cleaning, preservation of pipe systems, e.g. for desilting, cleaning and preservation of radiators and area heating systems, flushing and disinfection of drinking water installations, 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 ≤ 0.8 MPa/8 bar/116 psi, and for operation of pneumatic tools ≤ 230 Nl/min. Input and control unit with 4.3" colour display with touch function. 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 Connected. Two Ø 1" suction/pressure hoses, with fabric inlay, 1.5 m long, with 1" hose screw fittings, with caps. One Ø 8 mm compressed air hose, 1.5 m long, with quick coupling DN 5 and G ½" 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 Connected and suction/pressure hoses at the end of work. Without disinfection unit, without cleaning and preservation unit. In a carton

	Art.-No.	Din.
	115811 R220	**441 600,00**

Other voltages on request.

Info

Supply format

REMS Multi-Push SLW Connected Set. Same as REMS Multi-Push SL Connected Set, Art. No. 115811, additionally 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 and for pressure testing of other pipe systems and vessels. One high-pressure hose Ø ½", 1.5 m long, with ½" hose screw fittings, with caps. In a carton.

	Art.-No.	Din.
	115812 R220	**562 200,00**

Other voltages on request.

Info

All prices excl. VAT

Accessories

Description	S	SL	SLW	Art.-No.	Din.
Fine filter with fine filter cartridge 90 µm, washable, with large dirt collection vessel	●	●	●	115609R	**16 240,00**
Fine filter cartridge 90 µm, for fine filter with fine filter cartridge 90 µm	●	●	●	043054	**5 270,00**
Pressure gauge, p ≤ 6 MPa/60 bar/870 psi, for pressure and leak testing of pipe systems and vessels up to 6 MPa/60 bar/870 psi.		●	●	115140	**14 610,00**
Fine scaled pressure gauge, p ≤ 1.6 MPa/16 bar/ 232 psi, for pressure and leak testing of pipe systems and vessels up to 1.6 MPa/16 bar/232 psi. CL 1.0.		●	●	115045	**10 440,00**
Fine scaled pressure gauge, p ≤ 250 hPa/250 mbar/ 3.6 psi, for pressure and leak testing of pipe systems and vessels up to 250 hPa/250 mbar/3.6 psi. CL 1.6.		●	●	047069	**31 480,00**
Compressed air hose Ø 14 mm, 1.5 m long, with quick couplings DN 7.2 (plug, socket), for connecting pneumatic tools	●	●	●	115621R	**11 140,00**
Compressed air hose Ø 8 mm, 7 m long, with quick coupling DN 5 (plug) and G ½" hose screw fitting, for pressure testing with compressed air.		●	●	115667R	**8 730,00**
Compressed air hose Ø 8 mm, 1.5 m long, with quick coupling DN 5 (plug, socket) for gas testing with compressed air.		●	●	115747R	**9 270,00**
High-pressure hose Ø ½", 7 m long, with G ½" hose screw fittings, with caps, for pressure testing of pipe systems and vessels with water with REMS Multi-Push SLW Connected.			●	115661R	**16 980,00**
Ø 1" suction/pressure hose, with fabric inlay, 1.5 m long, with G 1" screw fittings for flushing, disinfection, cleaning, preservation and pressure testing with water.	●	●	●	115633R	**7 780,00**
Double nipple 1", for connecting 2 suction/pressure hoses and blowing out the suction/pressure hoses	●	●	●	045159	**1 380,00**
V-Jet TW, disinfection unit for drinking water installations, for feeding dosing solution for disinfection	●	●	●	115602R	**39 980,00**
Peroxi Color, 1 l bottle of REMS Peroxi dosing solution for disinfection of approx. 100 l 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.	●	●	●	115605R	**10 760,00**
Test strips H_2O_2 0 – 1,000 mg/l, pack of 100, for checking the concentration of the disinfection solution	●	●	●	091072	**9 350,00**
Test strips H_2O_2 0 – 50 mg/l, pack of 100, for checking the complete flushing out of the disinfection solution after disinfection	●	●	●	091073	**9 350,00**
V-Jet H, cleaning and preservation unit for radiators and area heating systems, for feeding cleaner and corrosion protection.	●	●	●	115612R	**39 980,00**
CleanH 1 l bottle of cleaner for radiators and area heating systems, dyed green for filling and wash-out check, for approx. 100 l line volume.	●	●	●	115607R	**7 500,00**
NoCor 1 l bottle of corrosion protection for preservation of radiators and area heating systems, dyed blue for filling check, for approx. 100 l line volume.	●	●	●	115608R	**8 040,00**
Hood for protecting the machine during transport and storage	●	●	●	115677R	**5 160,00**
XL-Boxx system case for hoses	●	●	●	579600RMP	**25 220,00**

Product comparison

REMS Multi-Push S Connected, REMS Multi-Push SL Connected, REMS Multi-Push SLW Connected

Functions/applications	REMS Multi-Push S Connected	REMS Multi-Push SL Connected	REMS Multi-Push SLW Connected
Programs for flushing and desilting			
Flushing of drinking water installations in accordance with EN 806-4 [1] *DEU: according to Worksheet DVGW W 557 (A)[3] and ZVSHK information leaflet[4]*	●	●	●
Flushing of drinking water installations with a water/air mixture with intermittent compressed air in accordance with EN 806-4 [1]; DEU: according to Worksheet DVGW W 557 (A)[3] and ZVSHK information leaflet[4]	●	●	●
Flushing of drinking water installations and other installations with a water/air mixture with constant compressed air	●	●	●
Desilting and flushing of radiators and flat heater systems in accordance with prEN 14336 [2] *Easy switching of the air supply during the flushing process with the following possibilities: without compressed air, intermittent compressed air, constant compressed air*	●	●	●
Active ingredients programs			
Disinfection of drinking water installations in accordance with EN 806-4:2010 [1] *DEU: according to ZVSKH information leaflet[4], according to Technical Rule DVGW W 551-3 (A)[5]. With REMS V-Jet TW disinfection unit and REMS Peroxi Color disinfectant solution*	●	●	●
Cleaning of radiators and flat heater systems *With REMS V-Jet H cleaning and preservation unit and REMS CleanH cleaner*	●	●	●
Preservation of radiators and flat heater systems *With REMS V-Jet H cleaning and preservation unit and REMS NoCor corrosion protection*	●	●	●
Programs for pressure and leak testing with compressed air			
Leak testing of drinking water installations with compressed air *DEU: according to ZVSHK information leaflet[6]*	–	●	●
Load testing of drinking water installations with compressed air ≤ DN 50 *DEU: according to ZVSHK information leaflet[6]*	–	●	●
Load testing of drinking water installations with compressed air > DN 50 *DEU: according to ZVSHK information leaflet[6]*	–	●	●
Load testing of gas installations with compressed air *DEU: according to Technical Rule DVGW-TRGI 2018[7]*	–	●	●
Leak testing of gas installations with compressed air < 100 l *DEU: according to Technical Rule DVGW-TRGI 2018[7]*	–	●	●
Leak testing of gas installations with compressed air ≥ 100 l – < 200 l *DEU: according to Technical Rule DVGW-TRGI 2018[7]*	–	●	●
Leak testing of gas installations with compressed air ≥ 200 l *DEU: according to Technical Rule DVGW-TRGI 2018[7]*	–	●	●
Leak and load testing of other pipe systems and vessels with compressed air *Pressure and time values individually adjustable in the programs*	–	●	●
Compressed air pump *for controlled filling of all types of vessels with compressed air*	–	●	●
Programs for hydrostatic pressure and leak testing with water			
Pressure testing of drinking water installations with water in accordance with EN 806-4:2010 [1], test method A	–	–	●
Pressure testing of drinking water installations with water in accordance with EN 806-4:2010, test method B/1 Δ > 10 K; Temperature compensation, DEU: modified according to ZVSHK information leaflet[6]	–	–	●
Pressure testing of drinking water installations with water, test method B/2 PfS, for press fitting systems *DEU: according to ZVSHK information leaflet[6]*	–	–	●
Pressure testing of drinking water installations with water in accordance with EN 806-4:2010 [1], test method B/3 P+M; DEU: modified according to ZVSHK information leaflet [6]	–	–	●
Pressure testing of drinking water installations with water in accordance with EN 806-4:2010 [1], test method C	–	–	●
Pressure testing of other pipe systems and vessels with water *Pressure and time values individually adjustable in the programs*	–	–	●
Miscellaneous			
Permanent process monitoring	●	●	●
Logging of the results of the flushing and test programs	●	●	●
Operation of pneumatic tools	●	●	●

● included – not included

[1] EN 806-4:2010 – Technical Rules for Drinking Water Installations – Part 4: Installation
[2] prEN 14336:2021 – Draft – Heating and Cooling Systems in Buildings – Installation and Commissioning of Water-based Heating Systems – Easy Flushing
[3] Worksheet DVGW W 557 (A) October 2012 of the German Gas and Water Association (DVGW)
[4] Information leaflet "Flushing, Disinfection and Commissioning of Drinking Water Installations" (August 2014) of the Central Association for Sanitary, Heating, Air Conditioning (ZVSHK), Germany
[5] Technical Rule DVGW W 551-3 (A) (August 2022), Hygiene in the Drinking Water Installation – Part 3: Cleaning and Disinfection of the German Gas and Water Association (DVGW)
[6] Information leaflet "Leak Testing of Drinking Water Installations with Compressed Air, Inert Gas or Water" (January 2011) of the Central Association for Sanitary, Heating, Air Conditioning (ZVSHK), Germany
[7] Technical Rule "DVGW-TRGI 2018, Technical Rule for Gas Installations – DVGW Worksheet G 600" of the German Gas and Water Association (DVGW)