

Operating instructions Hydraulic rescue equipment

POWER UNITS



E/V 70 W-SAH 20, E/V 70 W-SAH 20 COAX, V 400 S, E/V 50 S, V 40 S,
V 50S TURBO PLUS, V 400 ECO, V-COMPACT, E-COMPACT, V-ECOSILENT, S-COMPACT XL,
AKKUPAC ECO, B-COMPACT ECO, B-COMPACT XL, DPH/DPF 4018 SA, DPH 4018 S

tested in acc. with
EN 13204 and NFPA 1960



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WEBER RESCUE
SYSTEMS

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1 General

1.1 Information on the operating instructions

These operating instructions provide important notes on handling hydraulic power units and hand pumps. Safe working requires strict adherence to all safety instructions and operating instructions provided.

Furthermore, the local accident prevention regulations and Health & Safety laws applicable to the operation site of the equipment must also be observed.

Before starting any work, you must read these operating instructions thoroughly! They are a component of the product and must be stored in a known location that is accessible to personnel at all times.

This documentation contains information about the operation of your equipment, regardless of which type of equipment it is. For this reason, you will also find explanations that do not relate directly to your equipment.

All information, technical specifications, graphics and illustrations contained in these Operating Instructions are based on the most up-to-date data available at the time these instructions were created.

In addition to thoroughly reading the operating instructions, we also recommend that you undergo training and instruction in handling (possible uses, operational tactics, etc.) the rescue tools from one of our qualified trainers.

In addition to these operating instructions, you can find the following documents by scanning the QR code:

- Product performance data sheet



NOTE!

The current version of the operating instructions can be found on our website at <https://www.weber-rescue.com/> or by scanning the QR code.



1.2 Explanation of symbols

Warnings

In these operating instructions, warnings are identified by symbols.

The individual warnings are introduced by signal words expressing the degree of danger.

These warnings must be heeded to prevent accidents, injury to persons and property damage.



DANGER!

... points out an immediately dangerous situation which can cause death or severe injury if it is not avoided.



WARNING!

...points out a potentially dangerous situation which can cause death or severe injury if it is not avoided.



CAUTION!

...points out a potentially dangerous situation which can cause minor or slight injury if it is not avoided.



ATTENTION!

...points out a potentially dangerous situation which can cause property damage if it is not avoided.

Tips and recommendations



NOTE!

...emphasises useful tips and information for efficient, trouble-free operation.

1.3 Limitation of liability

All information and instructions in these operating instructions were compiled under consideration of the applicable standards and regulations, the current state of technology and our long-standing knowledge and experience.

The manufacturer assumes no liability for damages due to:

- Non-observance of the operating instructions
- Improper use
- Assigning untrained personnel
- Unauthorised modifications
- Technical changes
- Use of impermissible replacement parts
- Use of non-original accessories

For special designs or due to technical changes, the actual scope of supply for may differ from the explanations and representations described.

1.4 Copyright

All texts, illustrations, drawings and images in these operating instructions may be used freely without prior authorisation.

**NOTE!**

Additional information, images and diagrams are available on our home page: www.weber-rescue.com

1.5 Warranty provisions

The warranty provisions are included with the sales documentation as a separate document.

1.6 Customer Service

Our Customer Service would be happy to provide you with technical information.

Germany

Service Centre, GÜGLINGEN
 Phone: + 49 7135 71 10112
 E-mail: servicecenter@weber-rescue.com

Austria

Service Centre, LOSENSTEIN
 Phone: +43 7255 6237-12473
 E-mail: ATL.Servicecenter@weber-rescue.com

International

For questions regarding spare parts, service and repair, please contact our certified local service partners. Scan the following QR code for an overview of our worldwide service and sales network.

**NOTE!**

When contacting our Customer Service, please provide the identification, type and year of manufacture of the tool. This information can be found on the type plate on the device.

For further processing, please complete the RMA document in full:



2 Safety

This section of the operating instructions presents a comprehensive overview of all important safety aspects for optimal protection of the operating personnel as well as for safe, trouble-free operation.

Non-observance of the handling and safety instructions presented in these operating instructions can result in serious dangers.



WARNING!

Danger when operating devices with different operating pressures!

Pump units with a working pressure higher than that intended for the rescue equipment must not be used (can be identified on the type plate and in the operating instructions).

2.1 Intended use

The hydraulic power units are designed and tested exclusively for the intended applications described here. All other activities are fundamentally prohibited.

Power units E/V 70 W-SAH 20, E/V 70 W-SAH 20 COAX, E/V 400 S, E/V 50 S, V 40 S, V 50 ECO, V 50S TURBO PLUS, V 400 ECO, V-COMPACT, E-COMPACT, V-ECOSILENT, AKKUPAC ECO, S-COMPACT, B-COMPACT ECO, B-COMPACT ECO XL, DPH/DPF 4018 SA, DPH 4018 S

- All power units are designed as one-person devices and are therefore to be operated by only one person.
- The units are exclusively intended for operation with hydraulic rescue equipment manufactured by WEBER-HYDRAULIK.
- Simultaneous operation of multiple units, provided that mutual danger can be ruled out:



WARNING!

Danger caused by improper use!

Any use other than intended use and/or other type of use of these tools can cause dangerous situations! Therefore, it is absolutely necessary to:

- » Only use the devices for the intended uses described above.
- » Observe all other information regarding proper use of the devices in Chapter 5 (Operation).

**NOTE!**

All power units are intended for use in the professional or industrial sector and not for private use!

**NOTE!**

SMART equipment, such as the S-COMPACT power unit, contain a communication module that uses WLAN, LTE and GPS for communication and location determination for the extended range of functions (smart features). More detailed information on the communication module and the radio connections or radio channels used can be found in Chapter 4.7.

2.2 Operator responsibility

In addition to the occupational safety information in these operating instructions, the safety, accident prevention and environmental prevention regulations applicable to the operation site of the device must also be observed. Thereby, the following applies in particular:

- The operator must inform himself regarding the applicable occupational safety regulations and carry out a risk assessment to identify additional dangers arising from the special work conditions at the operation site of the device.
- The operator must clearly regulate and determine responsibility for installation, operation, maintenance and cleaning.
- The operator must ensure that all persons engaged with the device have completely read and understood the operating instructions.
- Furthermore, he must train the personnel at regular intervals and inform them of the dangers associated with handling the device.

The operator is also responsible for ensuring that the equipment is always in a technically flawless condition. Therefore, the following applies:

- After each time the equipment is used, or at least once a year, a visual inspection of the device by an instructed person is required (acc. to DGUV guideline 305-002 or country-specific rules).
- Every three years, or whenever a doubt is raised about the safety or reliability of the device, a function and load test must also be carried out (per DGUV guideline 305-002 or country-specific regulations).

2.3 Operating personnel

The following qualifications for different areas of activity are specified in the operating instructions:

- **Instructed persons**
Have been instructed by the operator regarding the tasks they have been assigned and the possible dangers caused by improper actions.
- **Expert personnel**
Because of their professional training, knowledge and experience as well as their knowledge of the applicable manufacturer's provisions, expert personnel are able to carry out the tasks they have been assigned and independently recognize potential dangers.



WARNING!

Danger of injury caused by insufficient qualifications!

Improper handling of these equipments can cause serious injury and property damage.

Therefore, it is absolutely necessary to:

- » Only permit the people specified in the respective chapters of these operating instructions to carry out the special activity.
- » In case of doubt, immediately call in expert personnel.



NOTE!

Never operate the equipment after consuming alcohol, medications or drugs!



NOTE!

Maintenance work can be carried out by instructed persons. Maintenance measures and repairs may only be carried out by the equipment manufacturer, or by specialist personnel trained by the equipment manufacturer and the authorised service partners. Continuous training and instruction by the equipment manufacturer is mandatory for a valid training certificate.

2.4 Personal protective equipment

To minimise danger for the operating personnel, wearing personal protective equipment (PPE) when handling the hydraulic power unit is absolutely mandatory.

As a matter of principle, always wear the following protective clothing for all work:



Safety work clothing

Only wear closely fitting work clothing with narrow sleeves and without projecting pieces while working. This is primarily for protection against entanglement in moving parts of the equipment.



Safety shoes

Always wear steel-capped safety shoes to protect against heavy falling objects and falling over on slippery surfaces.



Work gloves

Wear safety work gloves to protect against sharp edges and glass splinters when operating the equipment.



Helmet with face shield

Wear a helmet with face shield to protect against flying or falling parts and glass splinters.



Protective goggles

In addition to a face mask, protective goggles should be worn to protect the eyes from projectile particles.

Also wear during any special kinds of work that cause noise:



Ear defenders

To protect your hearing, ear defenders should also be worn in addition to basic personal protective equipment.

2.5 Particular hazards

The dangers resulting from the risk assessment are presented in the following section.

To minimize potential health hazards and prevent dangerous situations, the safety instructions listed below and the warning instructions in the following chapters of these operating instructions must be observed.

Electrical current



DANGER!

Danger of death due to electrical current!

There is an immediate danger of death if live parts are touched. Damage to insulation or individual components can be life-threatening.

Therefore:

- » If the insulation is damaged, immediately disconnect the power supply and arrange for repairs.
- » Only allow electricians to carry out work on the electrical system.
- » When any work is being carried out on the electrical system, it must be disconnected from the mains supply and checked to ensure that it is not live.
- » Before carrying out maintenance, cleaning or repair work, the power supply must be switched off and secured to prevent it being switched on again.
- » Do not bypass or shut down any fuses.
Use fuses with the correct amperage when replacing.
- » Keep live parts away from moisture.
This can cause a short circuit.



WARNING!

Use in potentially explosive atmospheres is prohibited.

Noise



WARNING!
Damage to hearing caused by noise

The noise arising in the working area can cause serious damage to hearing.

Therefore:

- » Also wear ear defenders during any special kinds of work that cause noise.
- » Only wear the ear defenders while you are in the danger area.

Hydraulic energy



WARNING!
Danger due to hydraulic energy!

The hydraulic forces that are released and escaping hydraulic fluid can cause severe injuries.

Therefore:

- » Always keep equipment in sight while working and switch off if necessary.
- » Inspect hose lines and devices for damage after each use.
- » Avoid skin contact with the hydraulic oil (wear safety gloves).
- » Remove hydraulic oil from wounds without delay and consult a doctor immediately.

2.6 Conduct in the event of hazards and accidents

Preventive measures

- Always be prepared for accidents
- Always have first-aid equipment (first-aid kit, blankets, etc.) within reach
- Familiarise personnel with accident reporting, first aid and rescue equipment
- Keep access routes for rescue vehicles open

In case of incidents

- Immediately shut down devices
- Initiate first-aid measures
- Remove persons from the danger zone
- Inform responsible person at the operation site
- Alarm doctor and / or fire brigade
- Open access routes for rescue vehicles

2.7 Signage

The following symbols and instruction panels are located on the devices.
They refer to the immediate environment in which they are displayed.



Please note contents of operating instructions

Do not use the designated device until you have read the operating instructions from cover to cover.



Warning: hot surfaces

The power unit motor can become very hot during operation. Therefore, do not touch and wear protective gloves.



WARNING!

Danger of injury due to illegible symbols!

As time goes by, adhesive labels and symbols on the device may get dirty, or be rendered illegible in some other manner.

Therefore, it is absolutely necessary to:

- » Maintain all safety, warning and operating instructions on the device in a readily legible condition.
- » Damaged signs and adhesive labels must be replaced immediately.

3 Technical specifications

3.1 Standard power units



E/V 70 W-SAH 20 (COAX)

Type designation	E 70 W-SAH 20	V 70 W-SAH 20	E 70 W-SAH 20 COAX	V 70 W-SAH 20 COAX
Length	720 mm	820 mm	720 mm	820 mm
Width	440 mm	440 mm	440 mm	440 mm
Height	500 mm	500 mm	500 mm	500 mm
Weight	74,2 kg	75,9 kg	73,0 kg	76,5 kg
Motor	Electric motor 230 Volt, 50 Hz, 2 kW	4-stroke petrol engine, 4 kW	Electric motor 230 Volt, 50 Hz, 2 kW	4-stroke engine, 4kW
Working pressure	630 / 700 bar	630 / 700 bar	630 / 700 bar	630 / 700 bar
Oil volume	6,5 l	6,5 l	6,5 l	6,5 l
ATO capacity (LP/HP)	4,0 / 1,6 [l/min]	5,6 / 2,0 [l/min]	4,5 / 1,6 [l/min]	5,6 / 2,0 [l/min]
MTO capacity (LP/HP)	2,1 / 0,9 [l/min]	2,9 / 1,0 [l/min]	2,4 / 0,9 [l/min]	2,9 / 1,0 [l/min]
Sound pressure level	-	88,4 dB (A)	-	88,4 dB (A)
Sound power level	-	101,2 dB (A)	-	101,2 dB (A)
EN class	ATO / MTO	ATO / MTO	ATO / MTO	ATO / MTO
Part no.	1078718	1078719	1069283	1058332

3.2 Compact power units



E/V 50 S / V 40 S



V-COMPACT



V-ECOSILENT



E/V 400 S (ECO)



E-COMPACT



V 50S TUBRO PLUS

Type designation	V400 S	V 400 ECO	E-Compact	V-COMPACT
Length	382 mm	382 mm	415 mm	462 mm
Width	290 mm	290 mm	195 mm	324 mm
Height	406 mm	406 mm	214 mm	441 mm
Weight	17,4 kg	17,5 kg	12,2 kg	23,3 kg
Motor	4-stroke petrol engine, 1.5 kW	4-stroke petrol engine, 1.5 kW	Electric motor 230 V, 50 Hz, 1.5 kW	4-stroke petrol engine, 2.3 kW
Working pressure	630 / 700 bar	630 / 700 bar	630 / 700 bar	630 / 700 bar
Oil volume	2,5 l	2,5 l	2,8 l	3,8 l
MTO (LP/HP) capacity	2,6 / 0,6 [l/min]	2,6 / 0,6 [l/min]	2,5 / 0,6 [l/min]	2,60 - 0,6 [l/min]
EN classification				
Sound pressure level	STO	STO	STO	MTO
Sound power level	83,3 dB (A)	83,3 dB (A)	78,8 dB (A)	82,5 dB (A)
Part no.	96,0 dB (A)	96,0 dB (A)	-	95,4 dB (A)
	5934753	5936853	1050354	1110334

Type designation	E 50 S	V 40 S	V 50 S	V 50 ECO	V 50S TURBO PLUS	V-ECOSILENT
Length	435 mm	444 mm	464 mm	424 mm	442 mm	590 mm
Width	320 mm	362 mm	369 mm	333 mm	361 mm	295 mm
Height	448 mm	471 mm	461 mm	467 mm	469 mm	445 mm
Weight	31,0 kg	32,1 kg	31,4 kg	29,9 kg	35,4 kg	24,9 kg
Motor	Electric motor 230V, 50 Hz, 1.3 kW	4-stroke petrol engine, 2.6 kW	4-stroke petrol engine, 3.4 kW	4-stroke petrol engine, 2.2 kW	4-stroke petrol engine, 3.6 kW	4-stroke petrol engine, 2.2 kW
Working pressure	630 / 700 bar	630 / 700 bar	630 / 700 bar	630 / 700 bar	630 / 700 bar	630 / 700 bar
Oil volume	4,0 l	4,0 l	4,0 l	4,0 l	4,0 l	2,7 l
Capacity ATO (LP/HP)	4,2 / 1,0 [l/min]	-	5,0 / 1,9 [l/min]	5,4 / 1,4 [l/min]	5,6 - 1,8[l/min]	5,5 - 1,3 [l/min]
Capacity MTO (LP/HP)	2,1 / 0,5 [l/min]	2,9 / 0,8 [l/min]	2,7 / 1,0 [l/min]	2,7 / 0,7 [l/min]	2,8 - 0,9 [l/min]	2,7 - 0,7 [l/min]
EN classification	ATO / MTO	MTO	ATO / MTO	ATO / MTO	ATO / MTO	ATO/MTO
Sound pressure level	79,2 dB (A)	88,2 dB (A)	88,3 dB (A)	88,3 dB(A)	88,4 dB (A)	79,6 dB(A)
Sound power level	-	101,2 dB (A)	101,6 dB(A)	101,6 dB (A)	101,2 dB (A)	-
Part no.	1070365	1081842	5934460	5935717	5935156	5935318

3.3 Battery power units & hand pumps



S-COMPACT XL



B-COMPACT ECO
B-COMPACT XL



AKKUPAC ECO BLK



DPH/F 4018-SA (S)

Type designation	S-COMPACT XL	AKKUPAC ECO BLK	B-COMPACT ECO	B-COMPACT XL	DPH/DPF 4018 SA	DPH 4018 S
Length	511 mm	335 mm	515 mm	517 mm	650 mm	511 mm
Width	210 mm	250 mm	200 mm	210 mm	200 mm	210 mm
Height	335 mm	315 mm	314 mm	335 mm	183 mm	335 mm
Weight	15.0 kg**	11,2 kg **	12,0 kg **	15,6 kg **	13,5 kg	15.0 kg
Motor	Electric motor, 18 V	Electric motor, 28 V	Electric motor, 28 V	Electric motor, 28 V	-	-
Working pressure	630 / 700 bar	630 / 700 bar	630 / 700 bar	630 / 700 bar	630 / 700 bar	630 / 700 bar
Oil volume	6,1 l	2,5 l	2,8 l	6,1 l	2,5 l	2,5 l
Capacity ATO (LP/HP)	3,0 - 0,6 [l/min]	3,0 - 0,5 [l/min]	2,8 - 0,6 [l/min]	2,8 - 0,6 [l/min]	0,040 / 0,0031*	0,040 / 0,0031*
EN classification	STO	STO	STO	STO	STO	STO
Sound pressure level	74,6 dB	-	-	77,2 dB	-	-
Part no.	1103640	1081828BLK	1081742	1100371	1051174	1069440

* Litres per pump stroke

** including one battery

3.4 Operating conditions

The permissible temperature range for the power unit is between -20° and +55°C. Reliable functions cannot be guaranteed beyond this range.

Ensure that the pump does not exceed a tilt angle of 20° in any direction during operation.

3.5 Type plate

The type plate for all power units is located on device body. It provides the serial number, production date, nominal pressure, device designation and TIN number.

The TIN - “Tool Identification Number” is a 15-digit number and is assigned once. This is made up of the product ID and the serial number, and as such enables unique identification.

4 Structure and function

4.1 Standard power unit



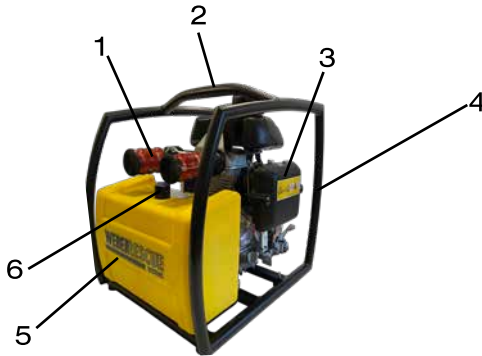
- | | | | |
|---|--------------------------|----|-------------------------|
| 1 | Coupling | 7 | Power connection |
| 2 | Rewinder | 8 | Carrying handle (front) |
| 3 | Tool brackets | 9 | Hydraulic oil tank |
| 4 | Gear lever (red hose) | 10 | Housing |
| 5 | Gear lever (yellow hose) | 11 | Carrying handle (rear) |
| 6 | Motor | 12 | Filler plug |

Short description:

Hydraulic power units are used to operate the associated hydraulic rescue equipment. They are available with both an electric motor and a combustion engine. Furthermore, a distinction is made between power units with and without a built-in quick use hose reel and compact units.

With almost all power units, two units can be operated simultaneously, or one unit in turbo mode. On the quick use hose reel, there are two hoses (available as a pair of hoses or as a COAX hose), one 15 m and the other 20 m long, that can be unrolled effortlessly even under pressure.

4.2 Compact power unit



- 1 Coupling
- 2 Carrying handle
- 3 Motor
- 4 Carrying frame
- 5 Hydraulic oil tank
- 6 Filler plug

Short description:

Hydraulic compact units are used to operate the associated hydraulic rescue equipment. They are available with both an electric motor and a combustion engine. Furthermore, a distinction is made between power units with one outlet or two outlets. With power units featuring two outlets and two directional control valves, two units can be operated simultaneously or one unit can be operated in turbo mode.

4.3 Battery power units



- 1 Coupling
- 2 Carrying handle
- 3 Filler plug
- 4 Hydraulic oil tank
- 5 Power connection
- 6 Housing

Short description:

Battery power units are used to operate the associated hydraulic rescue equipment. They are available with both an 18V battery and a 28V battery.

4.4 Hydraulic supply

Hose lines/extension hoses

High pressure hose lines are used to connect the device to the power unit. Hoses are available in standard lengths of 5 m and 10 m as double or COAX hoses. Other or special lengths available on request.

Hose reels / quick use hose reels

The E/V 70 W-SAH 20 and E/V 70 W-SAH 20 COAX power units feature integrated quick use hose reels (SAH).

Furthermore, freestanding reels (HF) and simple freestanding reels (EHF) in various lengths can also be used. The double or COAX hose is wound onto a reel in the carrying frame. A folding handle assists with winding in and out.



NOTE!

As the hose length increases, so too does the loss of pressure. This loss of pressure is still acceptable with a hose length of 50 metres and does not have any noteworthy effects.

NOTE!

Only hose lines and hose reels from WEBER RESCUE SYSTEMS or hose lines and hose reels expressly approved by us may be used to connect the power unit and the tool.



CAUTION!

Do not use damaged hose lines!

If hose lines are damaged, there is a risk that the pressure fluid may escape under pressure or that the hose line will struggle.

Therefore:

- » A visual inspection must be carried out on the hose lines after every use, but at least once per year (leak-tightness, surface damage such as kinks).
- » Every three years, or if a doubt is raised about safety or reliability, a function and load test must also be carried out (DGUV guideline 305-002 or country-specific regulations).
- » Replace hose lines every 10 years! The date (code letter or quarter and year) is specified on the hose bonding.
- » Do not subject the hose lines to any tensile load or torsion (twisting).
- » Do not kink hose lines or pull them over edges (lowest bending radius: 40 mm).
- » Do not subject the hoses to high temperatures.

- » Protect hose lines against contact with substances that can cause damage to the outer layer, e.g. acids, bases or solvents.

Hydraulic oil

All units are designed and tested for WEBER hydraulic oil, part number 804932. This oil has a particularly high degree of purity and also works without problems in temperatures as low as -20° C.

However, if there are limitations in the low temperature range (low output), a standard oil (mineral based) of viscosity class HLP 10 or HVLP 10 can be used in accordance with DIN 51502.



NOTE!

We recommend the following hydraulic oils for trouble-free operation of WEBER rescue devices:

- » AERO Fluid 41 (Shell)
- » Univis HVI-13 (Esso)
- » Aero-hydraulic 520 (Total)
- » Hydraulik DB (Castrol)
- » Renolin/MR310 (Fuchs)
- » HVI Extra 380 (Maier & Korduletsch)
- » Hydrex Arctic 15 (Petro Canada)
- » Naturelle HFE 15 (Shell)

Oil level indicator

An indicator glass can be found on the side of the oil tank with which the oil level can be monitored. This must be checked regularly after each use. Oil must be refilled if necessary.

4.5 Electrical supply



Inserting/removing the battery:

Connect the battery to the rescue tool by sliding the battery into the battery holder of the device. Make sure that the Click On/Click Off of the battery is correctly seated and locked.

To remove, press the push-buttons on both sides of the battery simultaneously and then pull the battery upwards out of the battery holder.

4.6 Connection of the rescue equipment

SINGLE coupling

The dust caps must be removed before coupling the two coupling parts (fig. 1). Then bring the coupling connector and the coupling sleeve together and turn gently into the bayonet catch (fig. 2).

Now grip the sleeve by the knurled black rotating assembly and turn clockwise (direction 1) until the coupling locks in (fig. 3). To prevent contamination, the two dust caps must then be pushed together (fig. 4).

Disconnect the connection by turning anticlockwise (direction 0).

Appliances that are equipped with the SINGLE coupling can also be coupled in a depressurised circuit as long as the devices that are connected are not actuated.



Fig. 1



Fig. 2



Fig. 3



Fig. 4



NOTE!

A pressure relief plug is no longer required when using the SINGLE coupling.

Plug-in coupling (SKS)

The dust caps must be removed before coupling the two coupling parts. Then grasp the coupling sleeve's bushing with one hand and hold the coupling connector (black) by the hexagonal bar with the other hand. Connect the two parts and, using slight pressure, press the sleeve against the coupling plug until it engages (Fig. 1).

To disconnect, hold the coupling connector (black) by the hexagonal bar. Grasp the coupling sleeve by the sleeve with the other hand and pull this back. It is inevitable that a few drops of hydraulic oil will escape when disconnecting.

The dust caps must then be re-inserted immediately to prevent contamination.

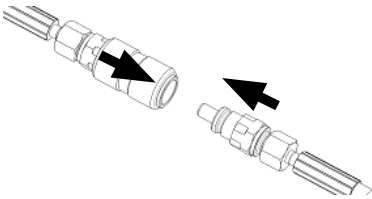


Fig. 1



CAUTION!

When coupling the SKS couplings, the switch lever on the power unit must be in the 0 position.



NOTE!

A pressure relief plug is mounted on the hydraulic power units and the hand pump. This can be used to release a few drops of oil from the hose line. This makes coupling possible if there are pressure increases in uncoupled devices.

To do this, simply insert the relief plug into the coupling sleeve and turn the knurled screw to the right until oil escapes.

4.7 Communication module and radio connection

The communication module is installed in the rear housing component. This transmits data from the device to an external output device via WLAN or an LTE connection - depending on the user's choice and the active operating mode. The basic hydraulic functions are always guaranteed by component separation.

To use the SMART-FEATURES and for registration, follow the instructions in Chapter 4.9.



NOTE!

The range of the radio connection can be influenced by environmental factors and is therefore dependent on many aspects such as weather, buildings, vegetation, terrain, etc. Underwater radio communication is not possible!

4.7.1 Standards and data sheets

Confirmed standards concerning electromagnetic compatibility:

EN IEC 61000-6-1:2019

EN IEC 61000-6-2:2019

EN IEC 61000-6-3:2006 + A1:2010

EN IEC 61000-6-4:2019

ETSI EN 301 489-1 V2.2.3

ETSI EN 301 489-17 V3.2.4

ETSI EN 301 489-19 V2.1.1

ETSI EN 301 489-52 V1.1.0

Confirmed standards concerning radio communication:

ETSI EN 301 511 V12.5.1 (2017-03)

ETSI EN 301 908-1 V13.1.1 (2019-1

ETSI EN 300 328 V2.2.2 (2019-07)

ETSI EN 301 893 V2.1.1 (2017-05)

ETSI EN 303 413 V1.1.1 (2017-06)

4.7.2 Information regarding radio channels used

WIFI range:

Frequencies:	Frequency range:	Channel width: Broadband	4G range:	2G range:
3b	2400MHz-2483.5MHz	Number of RF channels:	B1 (2100), B2 (1900),	B2 (1900)
Ae1	5150MHz-5350MHz	WIFI 2.4GHz: 13	B3 (1800), B4 (AWS 1700),	B3 (1800)
Ae2	5470MHz-5725MHz	WIFI 5GHz: 9	B5 (850), B8 (900)	B5 (850)
L1			B12 (700), B13 (700),	B8 (900)
			B18 (800), B19 (800)	
			B20 (800), B26 (850),	
			B28 (700)	

GNSS:

GNSS Constellation	GNSS Signal Designations	RNSS Frequency Band (MHz)
BDS	B1I	1 559 to 1 610
	B2C	1 559 to 1 610
Galileo	E1	1 599 to 1 610
	E5a	1 164 to 1 215
	E5b	1 164 to 1 215
	E6	1 215 to 1 300
GLONASS	G1	1 559 to 1 610
	G2	1 215 to 1 300
GPS	L1 C/A	1 559 to 1 610
	L1C	1 559 to 1 610
	L2C	1 215 to 1 300
	L5	1 164 to 1 215
SBAS	L1	1 559 to 1 610
	L5	1 164 to 1 215

All exceptions: E5 - E6 - G2 - L2C - L5

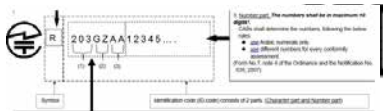
4.7.3 Transmission power

- 2G LB max. 32dBm 2G HB max. 28dBm
- 4G FDD max. 23dBm @1RB
- WIFI TX Power max. 19dBm (802.11b)

4.7.4 Receiving sensitivity

- 2G -> sensitivity of -107dBm
- 4G FDD (BW=5MHz) -> sensitivity of -102dBm
- WIFI -> sensitivity -96 dBbM (802.11b)

4.7.5 Labels for country-specific radio authorisations



Complies with
IMDA Standards
[Dealer's Licence No.]



Contains FCC ID: XXXXXXXYYYYYYYYYY



TAXXXX.YYYY
APPROVED

4.8 Operation of SMART-COMPACT power units

LED - Training mode:
Lights up as soon as training mode has been activated and set via the app.

LED - Theft mode:
Lights up when anti-theft protection is activated.

LED - Service & maintenance:
Lights up if a service interval has been reached or the device is being accessed externally.

LED - Maximum pressure display:
Lights up as soon as the device has built up maximum pressure.

LIGHT CONTROL button:
Individual adjustment of the light mode in 5 steps at the touch of a button.

ON/OFF button:
When this button is pressed, the motor starts to turn at idle speed. If the rocker switch is not pressed for 30 seconds, the device switches off automatically.

4.9 Accessories for SMART-COMPACT power units

	ID no.
Replacement battery M18 5.5HB Milwaukee	1101254
Replacement battery M18 8.0HB Milwaukee	1099928
Replacement battery M18 12.0HB Milwaukee	1099929
Battery case	1056921
Strap for battery case	1056920
Mains charger M12-18 FC - 110V RAPIDCHARGER	1102000
Mains charger M12-18 FC - 230V RAPIDCHARGER	1101257
M18 DBSC mains charger – 230V 2-way SUPERCHARGER	1106594
Mains charger M18 DFC - 230V double charger for 2 batteries	1101263
Mains charger M18 PC6 - 230V multi charger for 6 batteries	1106437
Automotive charger M12-18 AC - 12V	1101262
Continuous power supply - power adapter 110 V	1099998
Continuous power supply - power adapter 230 V	1099997

4.10 Equipment registration

An account in the WEBER RESCUE hub is required for tool registration. An existing account can also be used for this purpose.

Who should register the SMART-COMPACT equipment?

To ensure a person-independent and transparent registration of your SMART-COMPACT power unit, an internal concept for the main account as well as the individual sub-profiles and the respective assigned authorisations in the digital world of WEBER RESCUE is necessary. It is important to avoid creating an own account for each tool.

Our recommendation: Create a main account for the fire brigade or for your organisation where all tools are registered. These can then be additionally assigned to different stations and vehicles from this account. Subsequently, special personal profiles with sub-authorisations can be assigned again for each tool.

1. Scan the QR code below or open our website to register your tool in your browser using the link below:
<https://hub.weber-rescue.com/register>
2. If you already have an account for another WEBER RESCUE digital solution or app, you can log in with your existing credentials and add the new SMART-COMPACT power unit by entering its unique TIN number.
3. If you do not yet have an account in the digital world of WEBER RESCUE, you can create your SMART-COMPACT power unit quickly and easily by clicking on the "Register" button at the top right. A user account will then be created automatically.
4. The TIN number required for registration can be found on the type plate of your SMART-COMPACT power unit. The activation code in the separate flyer "Tool registration".



Register your SMART-COMPACT power unit now at
<https://hub.weber-rescue.com/register>

4.11 Operating instructions for digital additional functions

The operating instructions for the SMART functions are available online at:
hub.weber-rescue.com/manual/

5 Operation

5.1 General

To start the power unit with an electric motor, the unit must be connected to a power source. Then set the main switch (if present) to position 1 or press the corresponding knob until it lights up white.

For starting power units with combustion engines, please read the accompanying operating instructions from the engine/motor manufacturer.

Special steps for starting the individual power units are discussed separately below.



CAUTION!

When using SKS couplings, the engine/motor must never be started before the gear levers are in the 0 position and the tools are connected! This is not necessary for single couplings.

5.2 E/V 50 S, V 50S TURBO PLUS

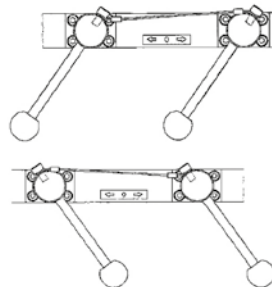
The power unit is operated by the two gear levers (between the unit trays). They are used to control the oil flow to both pairs of hoses.

The middle position of the levers represents the 0 position.

Two-way operation (with turbo function):

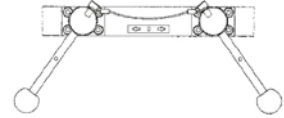
To direct the entire oil flow into the left pair of hoses, both gear levers must be turned to the left.

To direct the entire oil flow into the right-hand pair of hoses, both gear levers must be turned to the right.



Simultaneous operation:

To supply both pairs of hoses simultaneously (with split oil flow), the left gear lever must be turned to the left and the right gear lever to the right.

**NOTE!**

The oil flow is also divided when one lever is activated and the other remains in the 0 position.

Therefore, always operate both gear levers for the turbo function.

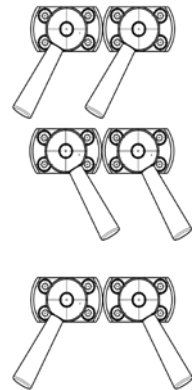
5.3 E/V 70 W-SAH 20, E/V 70 W-SAH 20 COAX

To start the electrical version of the device, actuate the ON/OFF switch (knob) located between the two reels. The power unit is operated by the two gear levers. They are used to control the oil flow to the hose pairs. The lever position vertical to the device (on the 0) represents the 0 setting.

**Two-way operation (with turbo function):**

To direct the entire oil flow into the left pair of hoses, both gear levers must be turned to the left.

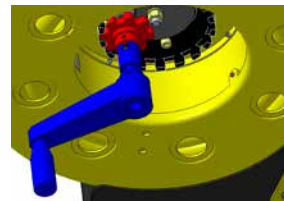
To direct the entire oil flow into the right-hand pair of hoses, both gear levers must be turned to the right.

**Simultaneous operation:**

To supply both pairs of hoses simultaneously (with split oil flow), the left gear lever must be turned to the left and the right gear lever to the right.

Reel rewinder:

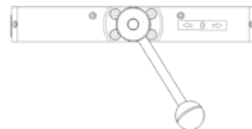
Due to their design, the electrical units are all equipped with an integrated rewinder (optional on the combustion engine version). To use it, insert the separately stored crank into the reel's ring gear, lock it, and turn it.



5.4 V 400 S

The power unit is operated by the gear lever (next to the connection for the maximum pressure hose). It is used to control the flow of oil into the pair of hoses. The lever position vertical to the device (on the 0) represents the 0 setting.

To operate, simply turn the gear lever in the direction of the arrow to establish the oil flow into the pair of hoses.



5.5 AKKUPAC ECO

The AKKUPAC battery pack can be worn on your back or operated as a free-standing battery-powered hydraulic power unit.



In order to start the device it is necessary to actuate the on/off switch on the top of the housing (Fig. 1). The signal light on the on/off switch subsequently lights up in white and the BATTERY PACK starts automatically in ECO mode (idle speed). Only after pressing the push button on the connected work tool does the speed increase automatically and then decrease again. This saves energy (operating time in ECO mode of 5 hours per battery) and avoids unnecessary noise.



Fig. 1

The equipment can be operated with one or 2 batteries in parallel (batteries are discharged in parallel). The battery is inserted into the slot. It is possible to remove the rechargeable battery from the device again by simultaneously pressing the two lock releases.

The coupling can be stored in the side pocket (Fig. 2)

The level indicator should always be between Max. and Min. so that all units can be operated, as the nominal pressure and tank capacity are designed to drive all WEBER rescue devices. However, the tank bellows must be sufficiently filled for this (Fig. 3). The oil level is adjusted by extending or retracting the working equipment.

Fig. 2



Fig. 3



5.6 V-ECOSILENT

To start the power unit, first set the yellow ECO lever to the start position (S). Then turn the ignition switch (rotary switch) to the right to “Choke” and start the engine/motor using the pull cord starter. After warming up, turn the ignition switch to position 1 and set the ECO lever to ECO.

Control system

Two control levers are fitted directly above the couplings to control the outlets. These levers can be used to control the oil flow (by moving them sideways; see E/V 50 -T).



Fuel tap

If the power unit is to be transported over a long distance, the petrol supply can be shut off. To do this, the fuel tap (red) must be closed. This is located under the maintenance cover on the side of the pull cord starter.



Petrol tank

The petrol tank can be filled via the filler opening under the black cover flap on the top of the device. The fill level can be seen on the display on the control panel.



5.7 E-COMPACT

Commissioning

Insert the plug into a 230 V socket. Press the ON/OFF switch on the top of the unit. The power unit starts automatically and a green LED lights up. Connect the hose and set the control lever to position 1. The unit is now ready to operate.

Controls

The “Attention” LED (RED) will light up under load after about 200 operating hours. After that, the unit can be used for another 10 to 20 operating hours before the electric motor’s carbon brushes need to be changed. This must be done by a qualified person.



- 1 Power button
- 2 LED caution (red)
- 3 LED operation (green)
- 4 Oil tank filler cap
(Weber hydraulic oil)
- 5 Control lever

5.8 B-COMPACT ECO, B-COMPACT XL

Commissioning

One rechargeable battery as a minimum, or a 230V power unit, must be connected for the purpose of commissioning. Press the push button on top of the power unit to switch it on (button lights up in white and the motor works in idle). Subsequently connect the hose and set the control lever to position 1 (see page 30). The unit is now ready for operation.

When the unit is switched on the LEDs mounted on both sides are also simultaneously activated, so that the unit can also be used as a portable spotlight en route to the working site.

Only after pressing the push button on the connected work tool does the speed increase automatically and then decrease again. This saves energy (operating time in ECO mode of 5 hours per battery) and avoids unnecessary noise.

Rechargeable battery operation

The B-COMPACT can be optionally operated using one rechargeable battery, two rechargeable batteries or a power unit. Both power sources are always drained in parallel here, whilst the speed or capacity of the power unit is not affected by this.

It is possible to remove the rechargeable battery from the device again by simultaneously pressing the two lock releases.

5.9 S-COMPACT XL

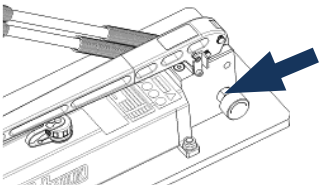
Commissioning

One rechargeable battery, or a 230V power unit, must be connected for the purpose of commissioning. Press the red control element on the membrane keypad at the top of the power unit to switch it on. Connect the hose at the front and the power unit is now ready for operation.

When the power unit is switched on the LEDs mounted on both sides are also simultaneously activated, so that the power unit can also be used as a portable spotlight en route to the working site. Only after pressing the push buttons on the connected implement does the speed increase automatically and then decrease again. This saves energy and avoids unnecessary noise.

5.10 DPH/DPF 4018 SA (hand pump)

To put the hand pump into operation, first turn the pressure relief valve anticlockwise and press the pump lever several times. This will vent the pump. Then turn the pressure relief valve fully clockwise and do not open it again during subsequent work with the equipment! The oil flow to the rescue device can now be established by operating the pump lever.



6 Battery and charger (AKKUPAC ECO, B-COMPACT ECO, B-COMPACT XL,S-COMPACT XL)

6.1 Charger technical data

6.1.1 Technical data for 28 V charger

Technical specifications	MCLi charger
Voltage range	28 V
Fast charge charging current	3,5 A
Charging time	ca. 1 h
Weight without mains cable	700 g



Input voltage	ID no.
220/240V AC 50/60Hz (Europe)	1054097
240V AC (Australia)	1054098
110V AC (USA)	1054099

6.1.2 Technical data for 18 V charger



	ID no.	5,5 Ah	8,0 Ah	12 Ah
M12-18 FC - 110V RAPIDCHARGER	1102000	60 min	87 min	130 min
M12-18 FC - 230V RAPIDCHARGER	1101257	60 min	87 min	130 min
M12-18 AC - 12V car charger	1101262	130 min	190 min	285 min
M18 DBSC - 230V SUPERCHARGER for 2 batteries	1106594	35 min	45 min	60 min
M18 DFC - 230V double charger for 2 batteries	1101263	60 min	87 min	130 min
M18 PC6 - 230V multi charger for 6 batteries	1106437	60 min	87 min	130 min

6.2 Special safety instructions



WARNING!

Do not throw used batteries into domestic waste or into the fire. Your specialist dealer can dispose of your old battery in an environmentally friendly manner.

The charger can be used to charge the following batteries:

Voltage	Battery type	Nominal capacity	Number of cells
28 V	M 28 BX	3,0 Ah	2 x 7
28 V	Li 28 V	3,0 Ah	2 x 7
28 V	Li-Ion 71NR	5,0 Ah	2 x 7
18 V	M18 HB5.5	5,5 Ah	
18 V	M18 HB8	8,0 Ah	
18 V	M18 HB12	12,0 Ah	



WARNING!

Important safety instructions concerning the battery and the charger.

- » The charger cannot be used to charge non-rechargeable batteries.
- » Do not store batteries together with metal items (risk of short circuit).
- » Metal parts must not get into the battery insertion slot on the chargers (risk of short circuit).
- » Do not open batteries or chargers, and only store in dry rooms. Protect against moisture.
- » Mains voltage is present at the charger. Do not reach into the device with objects that can conduct electricity.
- » Do not charge a damaged battery. Replace it immediately.
- » Check the device, connection cable, battery pack, extension lead and plug for damage and ageing. Have damaged parts repaired only by a specialist.
- » This device is not intended to be used by people (including children) with limited physical, sensory or mental capabilities, or who have a lack of experience and/or a lack of knowledge, unless they are supervised by a person responsible for their safety or have received instructions from him/her on how to use the device. Children must be supervised to ensure that they do not play with the device.

6.3 Intended use

This charger charges the 28 V Li-ion batteries of the M 28/V28 system or the 18 V Li-ion batteries of the M18/V18 system, which are supplied with the battery-powered equipment. This equipment may only be used for the specified purpose.

6.4 Mains connection

Only connect to single-phase alternating current and only to the mains voltage specified on the rating plate. It can also be connected to sockets without an earth contact as it is built in accordance with protection category II.

6.5 Li-Ion battery

For safety reasons, the batteries are discharged when they are delivered (air transport regulation). The battery must be charged completely before first use.

LED charging status indication



If the battery is not used for a longer period of time, it switches to idle mode. The battery must be re-activated (charged) in order to be used again.

The charging status can be checked by pressing the button on the battery (see illustration). The battery can remain in the battery tool for this but the battery tool must be switched off at least 1 minute before (otherwise the indication will be inaccurate). The number of glowing LEDs indicates the charge status.

As a matter of principle, the following applies: If the battery tool does not work after inserting the battery, plug the battery into the charger to check it. The indications on the battery and the charger then provide information on the battery condition.

You can continue to work with reduced power at lower temperatures.

For best operational readiness, the batteries must be fully charged after use.

6.6 Charging process

6.6.1 28 V charging process

After the battery is inserted into the charger's insertion slot, it is charged automatically (the red LED illuminates continuously).



If the battery is too hot or too cold when it is inserted into the charger (red LED flashes) the charging process begins automatically as soon as the battery has reached the correct charging temperature (0°C - 65°C). The maximum charging current flows when the Li-Ion battery temperature is between 0 and 65°C.



The charging time is between 1 min and 60 min depending on how full the battery was previously (for 3.0 Ah). The charging time for the 5.0 Ah battery is between 1 min and 90 min. Once the battery is fully charged, the LED on the charger switches from red to green.



The battery does not have to be removed from the charger once charging is complete. The battery can remain in the charger permanently. This cannot over-charge it and it is therefore always ready for operation.

If both LEDs flash alternately, either the battery is not inserted properly, or there is a fault on the battery or the charger. For safety reasons, take the charger and the battery out of operation immediately and have them checked by an authorised customer service location.



Flashing alternately!

If the power unit is overloaded, all LEDs flash 4x. To continue charging, unplug the power unit and plug it back in.



Flashing simultaneously!

6.6.2 18 V charging process



LIGHT INDICATORS

	Continuous red	Charging
	Slow flashing green	Approaching full charge
	Continuous green	Charging is complete
	Fast flashing red	Battery is too hot/cold - Charging will begin when battery reaches correct charging temperature
	Slow flashing red	Battery charge is pending - Charging will begin when the first pack is fully charged
	Flashing red/green	Damaged or faulty battery pack

Milwaukee, 2022

6.7 Maintenance

If the mains connection cable is damaged, it must be replaced by a customer service centre. Only use approved accessories and spare parts. If a replacement description is not provided for a component, have it replaced by an authorised customer service location.

7 Transport, packaging and storage

7.1 Safety instructions

**CAUTION!****Damage due to improper transport!**

Improper transport can cause considerable property damage.

Therefore:

- » When unloading the packaged pieces, proceed with caution and pay attention to the symbols on the packaging.
- » Only completely open and remove packaging at the actual storage site.

7.2 Transport inspection

Check the delivery immediately after receiving it for completeness and possible transport damage so if needed, a remedy can be found quickly.

If there is any externally visible damage, proceed as follows:

- Refuse the delivery or accept it with reservation.
- State the extent of damage on the transport documents or the transporter's delivery receipt.
- Initiate complaint.

**NOTE!**

Report every deficiency as soon as it is recognised.

Damage claims can be directed to our Customer Service (see Chapter 1.6).

7.3 Symbols on the packaging



Caution - fragile!

Handle the package carefully, do not drop it, throw it, hit it or tie it down.



Facing upwards!

The package must always be transported and stored with the arrows pointing upwards. Do not roll or tilt.

7.4 Disposing of the packaging



Properly dispose of all packaging materials and parts that have been removed (transport protection) in accordance with local regulations.

7.5 Storage

To the greatest extent possible, store the devices in a dry, dust-free area.
Avoid exposing hose lines to direct UV radiation.



CAUTION!

To prevent damage to the equipment on the drive to the work site, store the equipment securely in the mounts provided for it.

The power units must not be tilted or put down otherwise oil may leak from the tank ventilation.

8 Installation and initial commissioning

8.1 Safety instructions



WARNING!

Danger of injury due to improper operation!

Improper operation can cause severe injury or property damage.

Therefore, it is absolutely necessary to:

- » Carry out all work steps according to the information in these operating instructions.
- » Before starting work, ensure that all covers and guards are installed and that they work properly.

Personal protective equipment

Wear protective equipment as specified in Chapter 2.4 when performing all work!



NOTE!

Special attention is drawn to the need for further protective equipment to be used with certain items of work involving one or more of these devices.

8.2 Inspection

Check the equipment for damage. If the equipment is not in perfect condition, it must not be used! In this case, please contact your supplier immediately.

- Check the housing (for damage)
- Check the control levers (function).
- Check the couplings (damage, contamination).
- Check coils and carrying handles (secure fastening)
- Check protective covers (for damage)
- Check hoses (for damage)

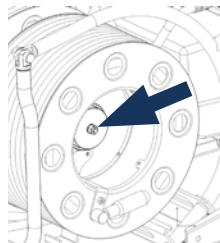
8.3 Installation

Reel brake

Each quick use hose reel is equipped with a separate reel brake.

The braking force can be adjusted using the nut (AF 13) in the centre of the reel suspension.

Turn clockwise = increase braking force
Turn anticlockwise = decrease braking force



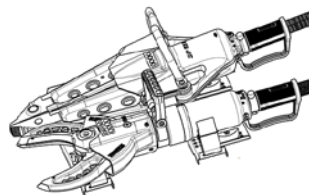
Filling with petrol

For power units with combustion engines (V-units), the petrol tank must first be filled. Please refer to the manufacturer's separate operating instructions for this!

Adjusting the device support (E/V 70 W-SAH 20, E/V 70 W-SAH 20 COAX)

These power units are delivered with a directly integrated device support. To optimally adjust this for the tools used, the supports must be shifted accordingly.

For all other tools, the setting of the supports may vary slightly or can be adjusted to the conditions on site.



To move the supports, each one's screw must be removed and installed in a different fastening hole. For long tools, extension plates are also available, which can simply be left off for short devices.

8.4 Shutdown (end of work)













After completing the work, return the control levers to the 0 position and switch off the equipment using the main switch.

8.5 Benefits of tool registration

With the new SMART-COMPACT power unit series, WEBER RESCUE SYSTEMS is heralding a digital revolution in the rescue tool market.

More speed, a powerful and MILWAUKEE compatible 18V battery, intuitive design and numerous smart features packed into a robust and submersible housing. In order to be able to use the Smart Features of your SMART-COMPACT power unit without restrictions via the web interface and app, it is necessary that you register your tool online.

The registration process activates the SIM card in the device, enabling data transmission. Settings can be stored for the device and the respective authorisation profiles via the app or the web interface simultaneously. For device registration, explicit consent to the device owner's privacy policy is required.

- | | | | |
|--|-----------------------------|---|-----------------------|
|  | WLAN and LTE |  | Service information |
|  | GPS |  | Telemetry |
|  | Tool management |  | Safety Stop |
|  | Authorisation profiles |  | Quick test |
|  | SMART-FORCE App |  | Anti-theft protection |
|  | Device status and telemetry |  | Training mode |



More information about the smart functions and features of the SMART-COMPACT power units can be found at www.weber-rescue.com/en/smart-force

More information

9 Servicing

9.1 Safety instructions

**WARNING!****Danger of injury due to defective maintenance work!**

Improper operation of the device can cause severe injury or property damage.

Therefore, it is absolutely necessary to:

- » Have all maintenance work carried out by trained specialists.
- » Ensure good housekeeping and cleanliness at the workplace! Loose components and tools left lying around constitute a potential hazard.
- » Wear protective gloves during all work!

9.2 Upkeep and maintenance

To be ready for operation at any time, the following measures are absolutely imperative:

- After every load, but at least once a year, visually check the device and its accessory parts. Pay particular attention to the oil level, motor, hoses and coupling parts.
- Every three years, or whenever a doubt is raised about the safety or reliability of the device, a function and load test must also be carried out (per DGUV guideline 305-002 or country-specific regulations).
- From time to time, the moving parts must be sprayed with a suitable grease.
- All the hydraulic oil of the power unit must be replaced once every three years.
- The power unit must be dried after being operated in damp conditions.

**ATTENTION!**

Prior to all maintenance work, the equipment must be cleaned of any dirt so that it does not get into the hydraulic system. Cleaning can be done with a conventional citrus-based cleaner.

9.3 Maintenance schedule

For an exact maintenance schedule with inspection intervals, regulations and reports, see DGUV guideline 305-002, point 18 (hydraulically-actuated rescue devices).

**NOTE**

If problems occur when maintaining the devices, our customer service department is available to assist (see Chapter 1.6).

10 Malfunctions

Malfunction	Possible cause	Remedy
No build up of pressure	<ul style="list-style-type: none"> - Switching valve in 0 position, wrong side or not fully controlled to the stop - Too little oil in the power unit - Power unit was not vented after oil change 	<ul style="list-style-type: none"> - Navigate to the desired correct page - Top up oil - Venting, repair by a specialist workshop
Rescue devices cannot be coupled	<ul style="list-style-type: none"> - Switching valve not in 0 position when engine is running (SKS) - Damaged coupling parts 	<ul style="list-style-type: none"> - Set the switch valve to the 0 position (SKS) - Replace coupling parts
Oil leak at the hoses and its bonding	Leakage, possible damage	Repair work by an approved workshop
Degradation of the surfaces of the hydraulic hoses	Contact with aggressive, chemical liquids	Repair work by an approved workshop
Oil leak at coupling parts	Leakage	Replace coupling parts

11 Decommissioning / recycling

After its operating life has expired, dispose of the device properly. However, individual parts can be reused.

The hydraulic oil must be drained completely and caught. Note that hydraulic oil must be disposed of separately!

The local disposal requirements are applicable to disposal of all equipment parts and packaging materials.

Do not dispose of electrical tools with domestic waste! In accordance with European Directive 2002/96/EC about old electrical and electrical devices as implemented in national law, used electrical devices must be separately collected and passed on for environmentally responsible recycling.



NOTE!

Please ask your supplier about disposal of the equipment.

12 EC Declaration of Conformity



WEBER-HYDRAULIK GMBH

Emil Weber Platz 1, 4460 Losenstein, Austria



DECLARATION OF CONFORMITY

according to Directive 2006/42/EC

Herewith we declare, that our "Hydraulic rescue Equipment"

POWER UNIT S-COMPACT XL

ACCESSORIES and accessories to all tools

meets the relevant basic safety and health requirements of the directive:
EC-MACHINE DIRECTIVE 2006/42/EC
EC-LOW VOLTAGE DIRECTIVE 2014/35/EC
EC-ELECTROMAGNETIC COMPATIBILITY DIRECTIVE 2014/30/EU
EC-DIRECTIVE RoHS 2011/65/EU
EC-RADIO EQUIPMENT DIRECTIVE 2014/53/EU

For the relevant implementation of the safety and health requirements mentioned in these directives, the following standards and/or technical specifications has been respected:

EN 13204 : 2025	EN 61000-6-1 : 2019	EN ISO 13857 : 2019
NFPA 1960 : 2024	EN 61000-6-2 : 2019	EN ISO 12100 : 2010
EN 61508-1 : 2011	EN 61000-6-3 : 2006 + A1:2010	EN ISO 13849-1 : 2008
IEC 62443 : 2020	EN 61000-6-4 : 2019	IEC 82079-1 : 2021
ETSI EN 301 489-17 V3.2.4	EN60529 : 1991 + A1 : 2000 + A2 : 2014	ETSI EN 301 489-1 V2.2.3
ETSI EN 301 893 V2.1.1 : 2017-05	ETSI EN 301 489-19 V2.1.1	ETSI EN 301 489-52 V1.1.0
EN 300 328 V2.2.2 : 2019-07	ETSI EN 301 511 V12.5.1 : 2017-03	ETSI EN 301 908-1 V15.1.1
DIN EN IEC 62311 : 2020-12	ETSI EN 303 413 V1.2.1	ETSI EN 301 908-13 V13.2.1
ETSI EN 300 440 v 2.2.1 : 2018-07		

The tools are tested according to EN 13204 and NFPA 1960

The notified body TÜV SÜD Product Service GmbH, identification number: 0123, has carried out an EU type examination for RED 2014/53/EU Article 3.1a, 3.1b and 3.2 and issued the type examination certificate No. TPS-RED500843 i01.

Authorised person to compile the technical file(s): Josef Eder Head of Development

Losenstein, 26.06.2025

WEBER-HYDRAULIK GMBH
 A-4460 Losenstein - Emil Weber Platz 1

i.A. Hannes Buchner
 (Produkt Manager)

i. V. Josef Eder
 (Entwicklungsleiter)

**WEBER-HYDRAULIK GMBH**

Emil Weber Platz 1, A-4460 Losenstein, Austria

**DECLARATION OF CONFORMITY**

according to Directive 2006/42/EC

Herewith we declare, that our "Hydraulic rescue Equipment"

SPREADERS	SP 44 AS, SP 49, SP 50 BS, SP 54 AS, SP 60 BS, SP 64 BS, SP 84 BS
CUTTERS/COMBI-TOOLS	S 25-20, S 33-14, S 50 (-14), RSC 60 FX, S 140-26, S 220-54, S 270-71, RS 130-49, RS 170-105, RSU 180 PLUS, RSU 210 PLUS, RSX 105-29, RSX 160 (-50), RSX 165-65, RSX 185 (-105), RSX 200-107 (PLUS), SPS 270 MK2, SPS 360 MK2, SPS 370 MK2, SPS 400 MK2, SPS 480 MK2, RIT-TOOL, RSC 170 (PLUS), RSC 190 (PLUS), RSC 200 (PLUS), RSC F7
RAMS	RZ 1-850, RZ 1-1810 CROSSRAMMER, RZ 2-1290, RZ 3-1640, RZT 2-600 (RC7), RZT 2-775, RZT 2-1170, RZT 2-1500, RZT 2-1250 XL, RZT 2-1500 XL, RZT 3-1310 XL
SPECIAL TOOLS	BC 250 MK2, C 45-9, SPK 250 MK2, DO 105, DO 120, DO 140 MK2, SBH 15-255, C120 MK2, HANDVARIO RIT TOOL, MSE 15-255, SPS 270
POWER-UNITS	E/V 50..., E/V 70..., E/V 400 (S)..., V 400 ECO, B-COMPACT (ECO / XL), E-COMPACT, V 50 ECO, AKKUPAC (ECO / BLK), V-ECOCOMPACT(*3600U/min), V-ECOSILENT, V 50S TURBO PLUS, V-COMPACT
HANDPUMPS/ACCESSORIES	DPH 0705..., DPH 3215..., DPH 4018..., DPF 4018, EPH 0203 and accessories to all tools

meets the relevant basic safety and health requirements of the Directive

EC-MACHINE DIRECTIVE 2006/42/EC**EC-LOW VOLTAGE DIRECTIVE 2014/35/EC****EC-ELECTROMAGNETIC COMPATIBILITY DIRECTIVE 2014/30/EU****EC-DIRECTIVE RoHS 2011/65/EU**

For the relevant implementation of the safety and health requirements mentioned in the directives, the following standards and or technical specifications has been respected:

EN 13204 : 2025**NFPA 1960 : 2024****DIN EN 62311:2008-09****EN 61000-6-4: 2019****EN 61000-6-1: 2019****EN 61000-6-2: 2019****EN 61000-6-3: 2006 + A1:2010****EN 60529 : 1991 + A1:2000 + A2:2014****EN ISO 13857 : 2019****EN ISO 12100 : 2010****EN ISO 13849-1 : 2008**

The tools are tested according to EN 13204 and NFPA 1960 through TÜV-Süd and SGS

Authorised person to compile the technical file(s): Josef Eder - Head of Development

Losenstein, 15.01.2026

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