

**VACUUM
SAFELY
WITH
RÖSSLE!**



2022
rössle

Vacuum cleaners for fire departments

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HYDRA SERIES – POWERFUL AIDS FOR YOUR OPERATIONS!

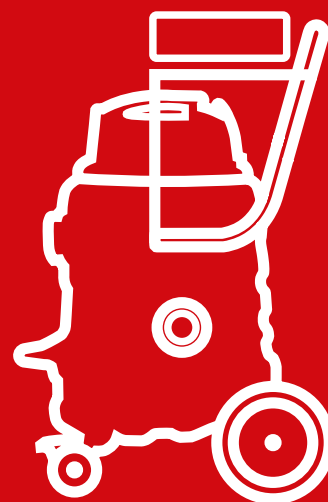
In the past year, emergency services had to cope with the most serious operations, the severity of which went far beyond what was imaginable. In many areas, the emergency services were challenged by extreme rainfalls and it became obvious how important it is to have a powerful FD vacuum cleaner. Being equipped and prepared for emergencies is one of the lessons learned from the flood disasters in Germany and worldwide in 2021.

Internationally, the established

devices of Rössle AG are represented in the assortment of specialised dealers and are recommended with conviction.

In this catalogue you will find the well-proven machines of the HYDRA series for sludge and water removal as well as some novelties that ideally complement the product range. Inform yourself and make use of the reliable and powerful products from Rössle.

The Rössle AG team from Bavaria



HYDRA





HYDRA - THE HIGH-PERFORMANCE FD VACUUM CLEANER

Reliability, great flexibility in use and endurance properties proven over many years are the strengths of the HYDRA FD vacuum cleaner from RÖSSE AG.

Ideally matched components enable a stable and compact design. The device convinces with a robust tank and a powerful suction head. Optimized handles as well as large wheels result in excellent transportability.

The sewage water pump installed in

the tank has a suction capacity of up to 20,000 l/h. The suction turbine in the head of the unit not only moves normal water, but also transports and pumps heavily polluted, contaminated water and sludge with a blockage-free solid passage of 40 mm.

As a real all-rounder, the HYDRA FD vacuum cleaner is the solution for the real problems.

- Tremendous handiness and excellent rolling features
- Large 70 l tank

- Robust materials and compact design
- 12 m long suction and drain hoses
- No service-intensive electronics
- Continuous operation with 5 kVA DIN generators
- Cable length 10 m incl. a 16 A Schuko type plug; protection class IP68 with bayonet retaining ring and protective cover
- Personal protection switch
- Working noise of 64 dB (A)

SET INCLUDES:

- HYDRA FD vacuum cleaner
- 12 m suction hose
- 12 m drain hose
- Suction pipe, 2-piece, ø 50 mm
- Aluminium floor nozzle

TECHNICAL DATA		Item No. HYD2000
SUCTION CAPACITY		20,000 l/h
OSM-TURBINE POWER		1,200 Watt
SEWAGE PUMP POWER		1,500 Watt
WEIGHT (WITHOUT ACCESSORIES)		33 kg
SUCTION HOSE AND DRAIN HOSE		12 m each, ø 50 mm
DIMENSIONS WITH FOLDED HANDLE		47 x 60 x 84 cm (W x D x H)
DIMENSIONS WITH EXTENDED HANDLE		47 x 60 x 97 cm (W x D x H)



HYDRA
Vacuum cleaner for fire departments

HYDRA-BOY



HYDRA-BOY
rösle

HYDRA-BOY
rösle

ROSENBAUER
DEUTSCHLAND
VENTIL-NR.



THE SMALL POWERHOUSE

With its flexibility and excellent manoeuvrability, the HYDRA-BOY FD vacuum cleaner is convincing even in the tightest of spaces.

In relation to its low weight and space-saving dimensions, the most compact FD vacuum cleaner in the HYDRA series has a powerful suction turbine and a powerful sewage water pump with a suction capacity of 8,000 l/h.

With a suction passage of 38 mm, the HYDRA-BOY can easily cope with mud and small stones. Inside,

the unit has a tear-resistant, easy-to-empty mesh bag that collects coarse solids sucked in, protecting the sewage water pump. Its long suction and drain hoses provide a wide range of applications with plenty of room for manoeuvre. The extensive accessories with versatile application possibilities make the HYDRA-BOY a strong helper in an emergency.

- Flexibility and perfect handiness in the tightest of spaces
- Low operating weight

- 45 l tank
- Sturdy and compact design
- 10 m long suction and drain hoses
- No service-intensive electronics
- Cable length 10 m incl. Schuko type plug; protection class IP68
- Personal protection switch
- Extensive accessory package
- Working noise of 82 dB (A)

SET INCLUDES:

- HYDRA-BOY FD vacuum cleaner
- Suction pipe, 4-piece, \varnothing 38 mm
- 10 m suction hose
- 10 m drain hose
- Transparent nozzle
- Aluminium floor nozzle
- Plastic floor nozzle
- Joint nozzle
- Suction brush

TECHNICAL DATA	Item No. HYD1001
SUCTION CAPACITY	8,000 l/h
TURBINE POWER	1,200 Watt
PUMP POWER	900 Watt
WEIGHT (WITHOUT ACCESSORIES)	18 kg
SUCTION HOSE AND DRAIN HOSE	10 m each, \varnothing 38 mm
DIMENSIONS WITHOUT HANDLE	46 x 49 x 64 cm (W x D x H)
DIMENSIONS WITH HANDLE	46 x 66 x 85 cm (W x D x H)

 **HYDRA-BOY**
Vacuum cleaner for
fire departments

HYDRA-Z



HYDRA-Z - BE READY FOR SPECIAL APPLICATIONS

Rössle AG has developed an additional package for the HYDRA FD vacuum cleaner especially for the needs of company and plant fire departments: HYDRA-Z.

Shouldered in a removable box with lid directly on the HYDRA, the accessories include nozzles, a hose and stainless steel suction tubes in oil-resistant quality. The Storz connections on the tank of the FD vacuum cleaner can be closed with the blind coupling and the ball valve in order to be able to safely transport small quantities of vacuumed liquid in the tank of the unit for disposal.

Coolant spillage or hydraulic oil are a frequent occurrence, especially in industrial production facilities. With the HYDRA-Z you are fully prepared for these type of applications.

SET INCLUDES:

- HYDRA FD vacuum cleaner
- Storage box with lid
- Oil-resistant suction hose with C-coupling, length 4 m
- 2-piece stainless steel suction pipe, ø 40 mm
- Mobile floor nozzle, ø 40 mm
- Plastic joint nozzle
- Blank coupling and ball valve for closing the connections on the suction and drain side



Oil-resistant suction hose with C-coupling



2-piece stainless steel suction pipe, ø 40 mm



Mobile floor nozzle ø 40 mm



Plastic joint nozzle



Blind coupling and ball valve



HYDRA-Z (HYDRA INCL. ADDITIONAL PACKAGE, STORAGE BOX AND MOUNT)

TECHNICAL DATA	Item No. HYDZ
TOTAL WEIGHT (HYDRA, BOX WITH EQUIPMENT AND MOUNT)	46 kg
DIMENSIONS (INCL. BOX AND MOUNT)	60 x 63 x 108 cm (W x D x H)

COMPACT ADDITIONAL PACKAGE

The additional package, consisting of storage box and equipment, is also available separately without the HYDRA FD vacuum cleaner. Due to the handy, standardised dimensions of the storage box, it can be easily accommodated in emergency vehicles. Mobile containers can also be equipped with the box accordingly. For operations involving oil spills, the additional package is the perfect complement to the HYDRA FD vacuum cleaner.

SET INCLUDES:

- Storage box with lid
- Oil-resistant suction hose with C-coupling, length 4 m
- 2-piece stainless steel suction pipe, ø 40 mm
- Mobile floor nozzle, ø 40 mm
- Plastic joint nozzle
- Blank coupling and ball valve for closing the connections on the suction and drain side

ADDITIONAL PACKAGE WITH BOX (WITHOUT VACUUM CLEANER AND MOUNT)

TECHNICAL DATA	Item No. HYD1005
WEIGHT	10 kg
DIMENSIONS STORAGE BOX	60 x 40 x 22 cm (W x D x H)
MATERIAL STORAGE BOX	Polypropylene



HARD FACTS



HYDRA



HYDRA-BOY



HYDRA-Z

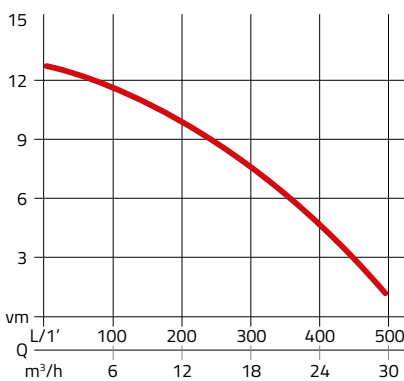
SPACE-SAVING DIMENSIONS

Compact measures are as valuable in the emergency vehicle as they are at the place of use. Here you will find all the important data on the individual

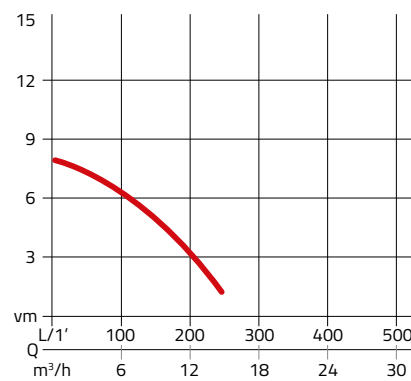
devices. Please note that the wheels are integrated into the tank body so that the vacuum cleaner is as slim as possible. The height of the HYDRA

can be significantly reduced by simply folding in the handle. Many well-positioned holders facilitate loading and unloading.

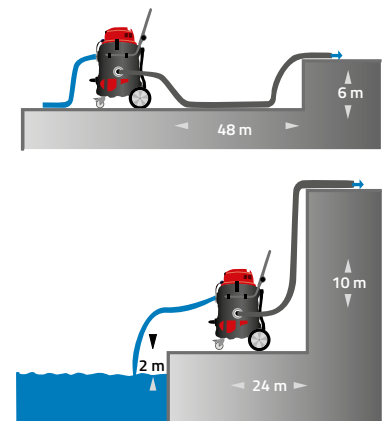
PUMP CHART HYDRA



PUMP CHART HYDRA-BOY



PUMP PARAMETERS HYDRA



HYDRA and HYDRA-BOY FD vacuum cleaners are characterised by their enormous pumping capacity. The diagrams show the pump capacity in m³ per hour in relation to the respective pumping height.

These specifications make it clear that the HYDRA-BOY can even pump up from an underground car park with ease. The combination of a very compact design with powerful aggregates is convincing in practice.

The diagram above shows the possible suction and pumping heights. You can also see the possible hose length on the pump-out side.

HIGHLIGHTS



IP68 plug and residual current circuit breaker



Check valve and sewage water pump



C-coupling suitable for fire hoses



Electrical testing according to DIN



Aluminium floor nozzle and 2-piece suction tube ø 50 mm



Mechanical suction power regulation

The HYDRA is characterised by many well thought-out and useful details that facilitate transport and use. During the construction, the focus was placed on the functional and safety-relevant parts, which can be seen in the pictures. In addition, any form of electronics was deliberately omitted.

You will receive the HYDRA with the electrical test to DGUV regulation 3 according to DIN VDE 0701-0702 including a test badge.



FLEXIBLE HANDLE

The flexible handle reduces the height by 13 centimetres, which saves space when loading. Likewise, an angled handle can be advantageous during use, e.g. when carrying over stairs. A press of the thumb on the articulated buttons is all that is needed to select the desired grid position.

The rubberised and slip-resistant grip area is easy to hold even at low temperatures. The entire operating procedure can be done easily, even with gloves on.

HYDRA-SERIES



MOBILE CONTAINER
Reference model
Option / equipment
combination HYDRA
and HYDRA-BOY

HYDRA-BOY

VACUUM SAFELY WITH RÖSSLE!

Benefit from our HYDRA series with products which are constantly being developed to perfection and which we design and assemble in Germany.

Do you have any suggestions? Feel free to send them to us! We always strive to become a little better and to bring the very best to the market for you.



HYDRA

GRP PRE-SEPARATOR
with optional
pneumatic chassis

HYDRA-Z
HYDRA with additional
package, storage box
and mount

PRE-SEPARATOR



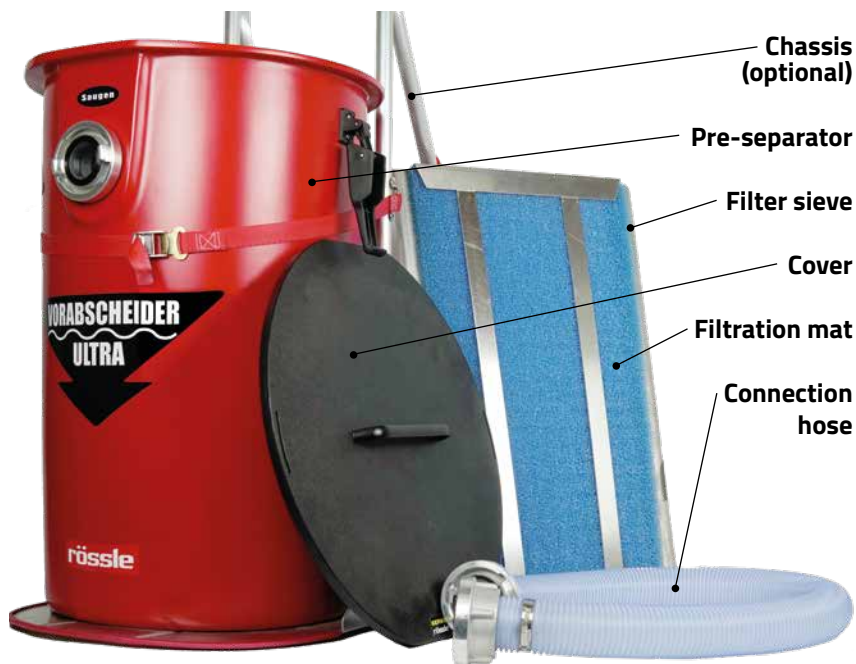
PRE-SEPARATOR ULTRA – YOUR UNIVERSAL OPERATION AID

When materials and liquids need to be cleaned and filtered during operations before they are discharged into sewer systems or bodies of water, the pre-separator ULTRA is indispensable equipment for fire departments.

Mounted in front of the suction side of the FD vacuum cleaners of the HYDRA series, the pre-separator ULTRA of Rössle AG separates everything that has to be filtered during high water operations, floods, water pipe bursts or other operations. Separation of large solids takes place by gravity – sucked in suspended parts sink in the tank and remain at the bottom. By filtration with the perforated filter sieve made of aluminium and the sponge filter, coarse particles are stopped before they reach the FD vacuum cleaner. This effectively prevents blockages in the suction unit of the FD vacuum cleaner.

The pre-separator ULTRA is also ideally suited for use in the event of oil spills. For example, oil binding agents or other granulates are sucked in and filtered out in the pre-separator before they reach the FD vacuum cleaner. The contaminated material in the container can thus be disposed of at the appropriate collection points after use.

Pre-separator ULTRA with associated equipment



Depending on the duration of use, intermediate emptying may be necessary. In this case, additional containers provide relief and allow the work to continue.

The pre-separator ULTRA can be optionally equipped with a pneumatic chassis, which not only significantly improves mobility, but also facilitates easy emptying / disposal of the accumulated liquids and materials after use.

- Large 90 l tank
- Robust materials and compact design
- Minimised wear and tear
- 1 m long connection hose
- Excellent mobility when using the optional chassis



PRE-SEPARATOR ULTRA

TECHNICAL DATA	Item No. HYDRED127
MATERIAL	GRP
TANK CAPACITY	90 litres
SPONGE FILTER	PPI 10T/PUR-Ether
FILTER SIEVE	Aluminium, 22 mm perforation diameter
WEIGHT	12.5 kg
CONNECTION HOSE	1 m, ø 50 mm, 2x Storz-C-connection
DIMENSIONS	52 cm x 74 cm (D x H)

OPTIONAL CHASSIS FOR THE PRE-SEPARATOR ULTRA

TECHNICAL DATA	Item No. HYDRED128
MATERIAL	Aluminium
TYRES	Treaded pneumatic tyres
WEIGHT	7.5 kg
MAXIMUM LOAD CAPACITY	250 kg
DIMENSIONS	48 cm x 70 cm x 118 cm (W x D x H)



SUBMERSIBLE PUMPS

NEW



SEWAGE WATER / SUBMERSIBLE PUMPS FROM RÖSSLE – POWERFUL AND TOUGH

They are indispensable for fire departments during water-related operations: efficient and resistant sewage water / submersible pumps that easily and quickly pump out the water masses and suspended matter contained therein.

As a supplement to the proven FD vacuum cleaners of the HYDRA series, Rössle AG also has two electric sewage water / submersible pumps, which can be used alone or in addition to the FD vacuum cleaners, in order to get the water masses under control even faster.

The two smaller submersible pumps KILO and MEGA are equipped with a C-Storz connection and impress with their inlet sizes of \varnothing 30 mm and \varnothing 35 mm respectively and their simple, mobile usability. The larger three-phase submersible pumps GIGA and TERA deliver up to 60,000 l/h with an inlet grain size of \varnothing 11 mm and a delivery pressure of 2 or 2.4 bar and are thus an effective aid in the fight against large water volumes.

With the new sewage water / submersible pumps from Rössle AG, your fire department is well equipped in case of emergency during floods, heavy rain and inundations.

PUMPS KILO AND MEGA

- Connection: C-Storz coupling
- Sturdy and compact design
- For stationary and mobile use
- Easy transport
- Incl. float switch
- Cable length of 10 m
- Inlet grain size \varnothing 30 / \varnothing 35 mm
- Insulation class F, IP68 protection

PUMPS GIGA AND TERA

- Connection: B-Storz coupling
- Solid and robust construction
- Excellent for large water volumes
- 3~ 400 V three-phase 50 Hz
- Max. pumping pressure of 2 resp. 2,4 bar
- Cable length of 10 m
- Inlet grain size \varnothing 11 mm
- Insulation class F, IP68 protection

Sewage water / submersible pumps from Rössle in four sizes – the perfect complement to the FD vacuum cleaners of the HYDRA series.



SUBMERSIBLE PUMPS

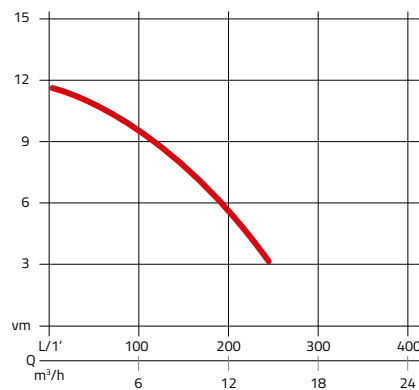
Vacuum cleaner for fire departments



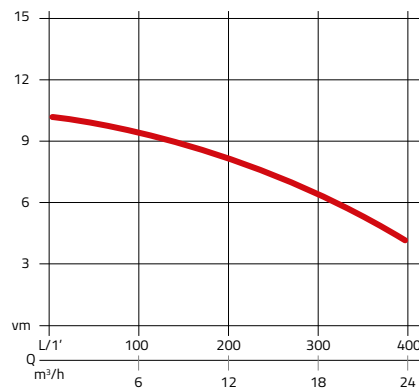
SUBMERSIBLE PUMPS KILO AND MEGA

TECHNICAL DATA	KILO, Item No. HYDZ001	MEGA, Item No. HYDZ002
PUMPING CAPACITY	240 l/min // 14,400 l/h	400 l/min // 24,000 l/h
PUMP POWER	1,000 Watt	1,400 Watt
WEIGHT	9 kg	12 kg
MATERIAL	Moplen, noryl and stainless steel	Stainless steel
DIMENSIONS	18 x 37 cm (D x H)	21 x 36 cm (D x H)

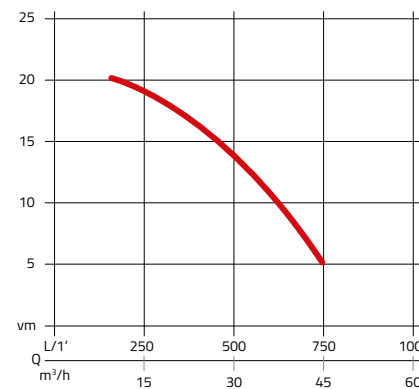
PUMP CHART KILO



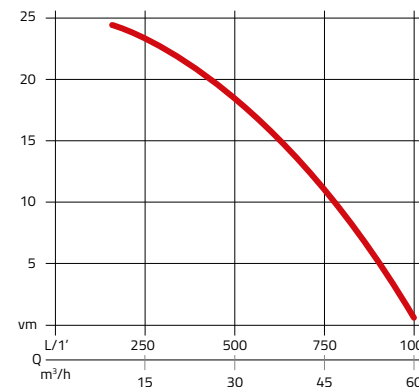
PUMP CHART MEGA



PUMP CHART GIGA



PUMP CHART TERA



SUBMERSIBLE PUMPS GIGA AND TERA

TECHNICAL DATA	GIGA, Item No. HYDZ003	TERA, Item No. HYDZ004
PUMPING CAPACITY	750 l/min // 45,000 l/h	1,000 l/min // 60,000 l/h
PUMP POWER	2,200 Watt	4,000 Watt
WEIGHT	45 kg	50 kg
MATERIAL	Stainless steel and chrome	Stainless steel and chrome
DIMENSIONS	24 x 52 cm (ø x H)	24 x 55 cm (ø x H)

The diagrams show you the pumping capacity of the Rössle submersible pumps KILO, MEGA, GIGA and TERA in m³ per hour in relation to the pumping height.

MOBILE CONTAINER



* Reference model

MOBILE CONTAINER RÖSSLE FD VACUUM CLEANERS – INDIVIDUAL SOLUTIONS FOR EMERGENCIES

Just as individual and flexible as the operational needs of fire departments - the mobile container Rössle FD vacuum cleaners from Rössle AG.

By means of individually adjustable guide rails, the mobile container can be equipped with the most diverse combinations of the HYDRA and HYDRA-BOY FD vacuum cleaners and the pre-separator ULTRA. The corresponding accessories can also be stowed safely and are quickly within reach.

To ensure safe handling with maximum mobility, the mobile

container made of aluminium profiles is equipped with two ball-bearing swivel castors, two ball-bearing fixed castors with drum brakes and dead man's function as well as a foot-operated locking brake.

Specially adapted and equipped to the requirements of each fire department, the mobile containers are the ideal equipment to be able to move out and help immediately in the event of an emergency.

- Individual production adapted to customer requirements
- Stable and durable construction made of high-strength aluminium profiles
- Platforms made of weatherproof

plywood

- Ergonomic operation via a continuous handle bar with non-slip and cold-insulating soft-grip coating
- Two swivel castors with ball bearings with central wheel and swivel head adjuster for optimum handling characteristics
- Two fixed castors with ball bearings with drum brake and dead man's function. Insensitive to dust, moisture and oil
- Foot operated parking brake



MOBILE CONTAINER
Rössle FD vacuum cleaners



Option
HYDRA, pre-separator ULTRA



Option
HYDRA-BOY, pre-separator ULTRA



Option
HYDRA, HYDRA-BOY

TECHNICAL DATA	Item No. HYDRC (INDIVIDUALLY EQUIPPED)
MATERIAL	Aluminium and weatherproof plywood
MAX. LOADING CAPACITY	500 kg
WEIGHT	approx. 90 kg
DIMENSIONS	80 x 120 x 180cm (W x D x H)



TAILOR-MADE TO YOUR NEEDS

The mobile container offers you versatile and tailor-made possibilities for individual assembly. In addition to the space for storing the devices of the HYDRA series and accessories such as the dimensionally stable hoses in the upper tray, there is optional space for two empty storage boxes. If our additional package for oil inserts is chosen, it replaces one of the two empty boxes. Additional storage space has been created on the outside for the suction pipes and the new universal squeegee. The top level is designed as a tray made of wood screen printing plates to save weight. One side wall of the tub can be folded down for easy and ergonomic loading and unloading.



UNIVERSAL SQUEEGEE



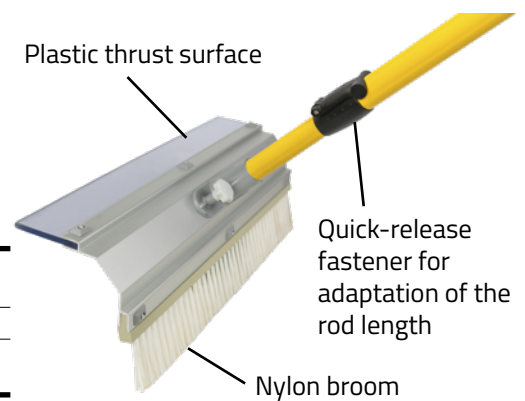
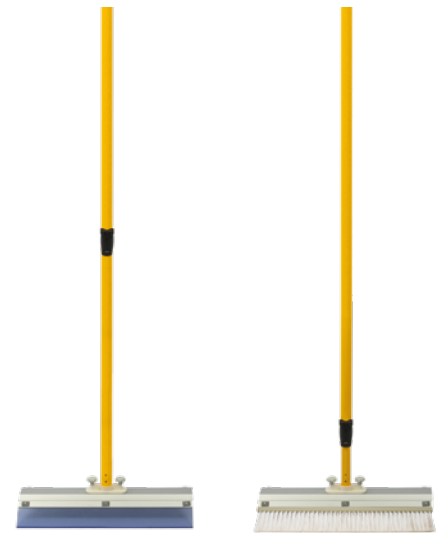
THE UNIVERSAL SQUEEGEE - SIMPLY MOVE AWAY DIRT, LIQUIDS AND CO.

When dirt and liquids have to be removed during operations and shovels and brooms do not achieve the desired result, the universally applicable universal squeegee shows its strength.

The removal of water, fire-fighting foam, oil binding agents and other contaminants on any surface is made much easier by the use of the universal squeegee. Even on uneven surfaces, excellent results are achieved because of the flexible

thrust surface which adapts to the floor and does not tilt. The universal squeegee is the perfect addition to our FD vacuum cleaners.

- For the removal of a wide variety of soiling in solid and liquid form.
- High chemical resistance of the thrust elements
- Due to the protective shield shape of the thrust surface, liquids are directed in the pushing direction.






UNIVERSAL SQUEEGEE

TECHNICAL DATA	Item No. HYDS50
MATERIAL	Plastic/GRP/Aluminium/Nylon
DIMENSIONS	50 cm wide thrust surface

ACCESSORIES FD VACUUM CLEANER








HYDRA-BOY

Item No.	Product name	Product description
HYDBOY162 	Net bag	The tear-proof net bag of the HYDRA-BOY is attached to the end of the suction tube located in the tank by means of a Velcro fastener. Coarse solids are collected inside and can be easily removed after use.
HYDBOY163 	Floor nozzle	The HYDRA-BOY floor nozzle with a width of 450 mm and a diameter of 38 mm enables faster vacuuming on larger surfaces.
HYDBOY168 	Suction tube	The entire plastic suction pipe originally consists of four individual suction pipes. You must order these individually.



HYDRA-BOY

Item No.	Product name	Product description
HYDBOY169 	Suction pipe with bend	The plastic suction pipe with bend incl. union nut enables ergonomic use.
HYDBOY170 	Floor nozzle	The HYDRA-BOY plastic floor nozzle has a width of 360 mm and a diameter of 38 mm.
HYDBOY171 	Joint nozzle	The HYDRA-BOY joint nozzle enables you to suck up liquids in joints.
HYDBOY172 	Transparent flat nozzle	The transparent HYDRA-BOY PVC flat nozzle makes it easy to absorb liquids.
HYDBOY173 	Suction brush	The HYDRA-BOY suction brush allows you to vacuum on sensitive surfaces.
HYDBOY178 	Drain hose extension	With the 10 m HYDRA-BOY drain hose extension incl. two C-Storz couplings, the total length of the hose can be extended to a total of 20 m.
HYDBOYSZ805 	Suction hose extension	With the 10 m HYDRA-BOY suction hose extension incl. two sockets, the total length of the hose can be extended to a total of 20 m.

ACCESSORIES FD VACUUM CLEANER

HYDRA		
Item No.	Product name	Product description
HYDRED113 	Aluminium floor nozzle	The HYDRA floor nozzle has a width of 500 mm and a diameter of 50 mm. It also has individually height-adjustable castors.
HYDRED114 	Suction pipe	The two-piece screwable PVC suction pipe with a 45° bend and a diameter of 50 mm enables an ergonomic working application.
HYDRED117 	Ball valve	The HYDRA size C ball valve 2" made of brass for shutting off the HYDRA suction hose has a fixed coupling made of light metal on both sides. The shut-off reliably prevents backflow into deeper areas.
HYDRED118 	Personal protection switch PRCD-S+	The HYDRA PRCD-S+ personal protection switch incl. 3 m cable and Schuko connections enables the safe drawing of current from available sockets. It is plugged in between the device and the socket like an extension cable.
HYDRED126 	Drain hose extension	With the 12 m HYDRA drain hose extension incl. two C-Storz couplings, the total length of the hose can be extended to a total of 24 m.
HYDRED131 	Blind coupling	The HYDRA blind coupling in size C is oil and petrol resistant. The coupling can be firmly connected to the tank of the FD vacuum cleaner by using the chain.
HYDRED133 	Suction hose extension	With the 12 m HYDRA suction hose extension incl. socket and connector, the total length of the hose can be extended to a total of 24 m.

ACCESSORIES ADDITIONAL PACKAGE FOR HYDRA-Z

Item No.	Product name	Product description
<p>HYDRED117</p> 	<p>Ball valve</p>	<p>The HYDRA size C ball valve 2" made of brass for shutting off the HYDRA suction hose has a fixed coupling made of light metal on both sides. The shut-off reliably prevents backflow into deeper areas.</p>
<p>HYDRED131</p> 	<p>Blind coupling</p>	<p>The HYDRA blind coupling in size C is oil and petrol resistant. The coupling can be firmly connected to the tank of the FD vacuum cleaner by using the chain.</p>
<p>HYDTOR131-B</p> 	<p>Floor nozzle</p>	<p>The HYDRA aluminium floor nozzle with a width of 450 mm has individually height-adjustable castors and a 40 mm connection for industrial fire departments.</p>
<p>HYDTOR143</p> 	<p>Suction hose</p>	<p>The oil-resistant, 4 m long HYDRA suction hose with a diameter of 40 mm is especially suitable for use in oil spills.</p>
<p>HYDTOR145</p> 	<p>Suction pipe</p>	<p>The oil-resistant, 0.5 m long 2-piece HYDRA suction pipe made of stainless steel with a diameter of 40 mm is especially suitable for use in oil spills.</p>
<p>HYDTOR147</p> 	<p>Joint nozzle</p>	<p>The HYDRA joint nozzle enables you to suck up liquids in joints.</p>



rösle

RÖSLE AG
Vacuum cleaners for
fire departments

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phone and download
the product catalogue.