

**STRONG
TECHNIC
FOR
YOUR
MISSIONS**



2021
rössle

Vacuum cleaners for fire departments

// HYDRA	4
// HYDRA-BOY	6
// HYDRA-Z	8
// OVERVIEW HYDRA SERIE	12
// PRE-SEPARATOR	14
// MOBILE CONTAINER	16
// OPTIONAL ACCESSORIES	20

TECHNOLOGY YOU CAN COUNT ON!

Many operations are caused by floodings, for which the fire department should also be prepared. Ideal equipment includes modern vacuum cleaners for fire departments that act effectively and efficiently in an emergency. The FD vacuum cleaners HYDRA and HYDRA-BOY offer you the full range of possibilities, from tough operations with a lot of dirt and water to critical oil alarms. The vacuum cleaners by Rössle are well-proven machines that have been operating internationally in

emergencies. Due to the deliberately electronics-free design, suddenly required operational capacity is always guaranteed, even after long downtimes. Further developments in useful accessories such as the improved chassis for the pre-separators or the handy roll container are featured in this new catalogue. Take advantage of these benefits and stay up to date in the future by using Rössle AG products.

The Rössle AG team from Bavaria



HYDRA





HYDRA - TROUBLESHOOTER AND ALL-ROUNDER

Reliability and great flexibility are the strengths of the HYDRA FD vacuum cleaner. The stable and shock-resistant construction makes the HYDRA very compact and remains a helpful and reliable partner even in tight places. Due to its robust components, optimised handles and large wheels, the HYDRA is an outstanding all-rounder. The installed aggregates not only move normal water, but also transport and pump

even heavily polluted, contaminated water and mud. The device offers a blockage-free passage of 40 mm for solids. The HYDRA is marked by continuous operation characteristics that have been tried and tested over many years. As a real all-rounder, the HYDRA is the solution for genuine problems.

- Robust materials and compact design
- Tremendous handiness and excellent rolling features

- Large 70 l tank
- 12 m long suction and drain hoses
- No service-intensive electronics
- Continuous operation with 5 kVA DIN generators
- Cable length 10 m including 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 vacuum cleaner for fire departments
- 12 m suction hose
- 12 m drain hose
- Suction pipe 2-piece, \varnothing 50 mm
- Aluminium floor nozzle

TECHNICAL DATA	Item No. HYD2000
SUCTION CAPACITY	15000 l/h
OSM-TURBINE	1200 watt
SEWAGE PUMP	1500 watt
WEIGHT WITHOUT ACCESSORIES	33 kg
SUCTION HOSE AND DRAIN HOSE	12 m each, \varnothing 50 mm
SIZE WITH FOLDED HANDLE	47 x 63 x 84 cm (W x L x H)
SIZE WITH HANDLE	47 x 66 x 97 cm (W x L x H)



HYDRA
Vacuum cleaners for fire departments

HYDRA-BOY





HYDRA'S LITTLE BROTHER

Lighter and easier to handle than the HYDRA, the HYDRA-BOY also copes with challenges such as mud and stones. The tear-proof net bag holds coarse solids back. These can be easily disposed with a simple action. With its long suction and drain hoses, there is a wide area of application. Due to its low weight and space-saving dimensions, the HYDRA-BOY performs almost as well as its big brother. The extensive range of accessories with versatile

applications turns the HYDRA-BOY into a strong helper in an emergency.

- Sturdy and compact design
- Large 45 l tank
- Minimum operating weight
- 10 m long suction and drain hoses
- Flexibility and perfect handiness in the tightest of spaces
- Personal protection switch
- Cable length 10 m including Schuko type plug
- Trouble-free transport

- Extensive accessories package
- Working noise of 82 dB (A)

SET INCLUDES:

- HYDRA-BOY vacuum cleaner for fire departments
- Suction pipe, 4-piece, ø 38 mm
- 10 m suction hose
- 10 m drain hose
- Transparent nozzle
- Aluminium floor nozzle
- Joint nozzle
- Suction brush

TECHNICAL DATA	Item No. HYD1001
SUCTION CAPACITY	8000 l/h
TURBINE	1200 watt
SEWAGE PUMP	900 watt
WEIGHT	18 kg (without accessories)
SUCTION HOSE AND DRAIN HOSE	10 m each, ø 38 mm
SIZE WITH FOLDED HANDLE	46 x 49 x 63.5 cm (W x L x H)
SIZE WITH HANDLE	46 x 66 x 85 cm (W x L x H)



HYDRA-Z



HYDRA-Z - BE READY FOR SPECIAL OPERATIONS

Rössle has developed an additional package for the HYDRA especially for the needs of company and plant fire department: HYDRA-Z. The accessories, mounted in a removable box on top of the HYDRA, include nozzles, a hose and stainless steel suction pipes in oil-resistant quality. In addition, the Storz couplings can be closed with the blind coupling and the ball valve to allow the safe transport of small quantities of absorbed liquid inside the unit. With the blank plugs the tank, which holds approx. 70 litres, is tightly sealed. Spills of coolants or hydraulic oil are

a frequent occurrence, especially in industrial production facilities. With the HYDRA-Z you are fully prepared for these cases.

SET INCLUDES:

- HYDRA
- Storage box with cover
- Oil-resistant suction hose with C-coupling, length 4 m
- Stainless steel suction tube \varnothing 40 mm
- Mobile floor nozzle \varnothing 40 mm
- Plastic joint nozzle
- Blank coupling and ball valve for closing the suction and pressure coupling



Oil-resistant suction hose with C-coupling



Stainless steel suction tube \varnothing 40 mm



Mobile floor nozzle \varnothing 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)	46.5 kg
SIZE (INCL. BOX AND MOUNT)	60 x 66 x 108 cm (W x L x H)

The additional package consisting of storage box and equipment is also available separately without the HDYRA vacuum cleaner for fire departments. Due to the handy, standardised dimensions of the storage box, it can be easily accommodated in emergency vehicles. Roll containers can also be equipped with the box accordingly. For operations involving oil spills, the additional package is the one and only supplement to the HDYRA FD vacuum cleaner.

SET INCLUDES:

- Storage box with cover
- Oil-resistant suction hose with C-coupling, length 4 m
- Stainless steel suction tube \varnothing 40 mm
- Mobile floor nozzle \varnothing 40 mm
- Plastic joint nozzle
- Blank coupling and ball valve for closing the suction and pressure coupling

ADDITIONAL PACKAGE WITH BOX (WITHOUT VACUUM CLEANER AND MOUNT)

TECHNICAL DATA	Item No. HYD1005
WEIGHT	10.8 kg
SIZE STORAGE BOX	60 x 40 x 22 cm (W x L x H)



HARD FACTS



HYDRA



HYDRA-BOY



HYDRA-Z

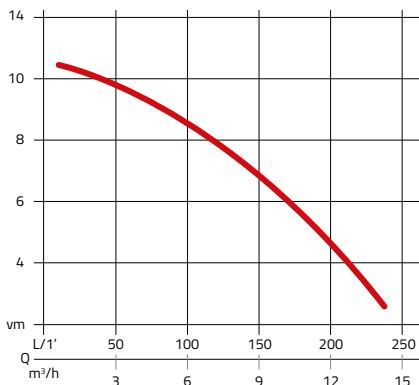
DIMENSIONS

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

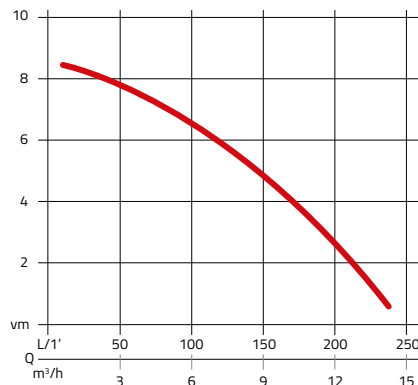
devices. Please note that the wheels are integrated into the tank body so that the vacuum cleaner is as slim as possible. The height of the HYDRA

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

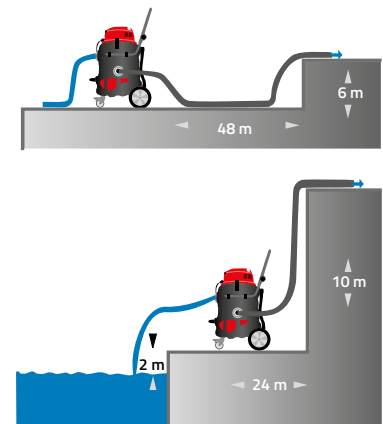
PUMP CHART HYDRA



PUMP CHART HYDRA-BOY



PUMP PARAMETERS HYDRA



HYDRA and HYDRA-BOY are also characterised by enormous pumping capacities. The diagrams show you the litre capacity per hour, depending on the pumping height from the vacuum cleaner upwards.

These specifications make it clear that the HYDRA-BOY, with the right power, can even pump up from an underground car park with ease. Power is important and sufficiently available. 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



IP 68 plug and safety switch



Check valve RSK and drain pump



C-coupling suitable for fire hoses



Electrical testing according to DIN



Two-piece, space-saving suction tube \varnothing 50 mm



Mechanical suction power regulation

The HYDRA series is characterised by many clever and useful details that facilitate transport and use. At the same time, the HYDRA is completely free of electronics. During the designing process, the focus was placed on the functional and safety-relevant parts, which can be seen in the pictures.

You will receive the HYDRA with the electrical test for 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
Version / equipment
combination HYDRA
and HYDRA-BOY

HYDRA-BOY

Strong technic for your missions!

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 our customers.

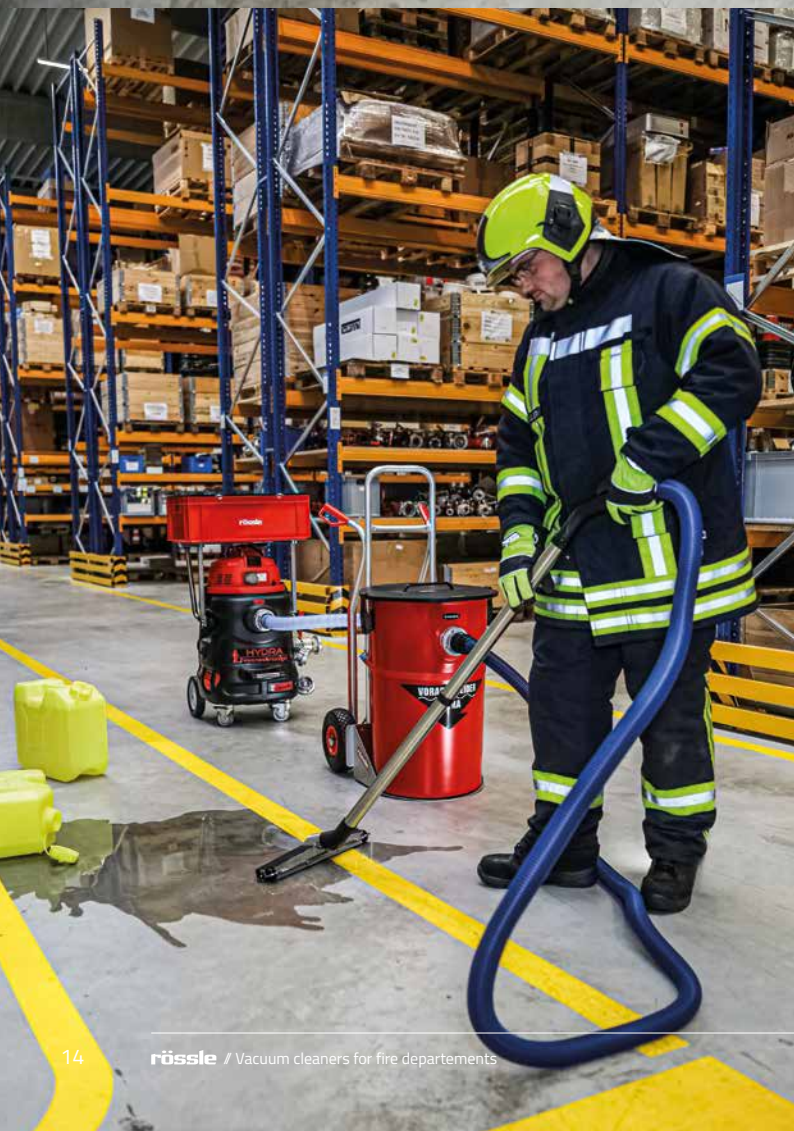


HYDRA

GRP PRE-SEPARATOR
with optional
pneumatic chassis

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

PRE-SEPARATOR

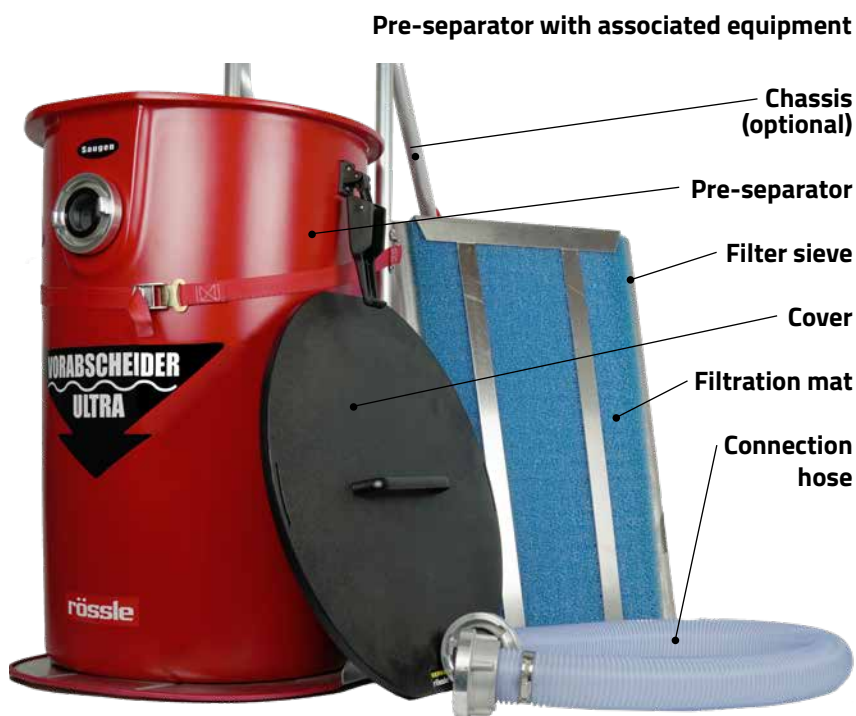


RÖSSLE PRE-SEPARATOR - THE UNIVERSAL OPERATION AID

The pre-separator is used in all types of operations where materials and liquids need to be cleaned and filtered before being discharged into sewer systems or waters.

Mounted in front of the HYDRA or HYDRA-BOY vacuum cleaners for fire departments, the Rössle pre-separator separates whatever needs to be filtered during floodings, water pipe bursts or other operations. The separation of large particles is done by gravity, which means that the suspended particles that are sucked in sink down in the tank and remain at the bottom. By filtration with the perforated aluminium sieve or the so-called sponge filter, coarse particles are stopped before they can reach the vacuum cleaner, thus avoiding blockages in the suction system.

The pre-separator is also ideal to be used in the event of oil accidents. Applied oil sorbent agents, e.g. in accidents or on waters, can be removed excellently. The spread granules or other sorbent agents are simply sucked off the water surface via the pre-separator. After use, the contaminated material in the container can be dumped at appropriate collection points. 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 can optionally be equipped with a pneumatic chassis, which not only significantly improves its mobility, but also facilitates an 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 pneumatic chassis



GRP PRE-SEPARATOR

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

OPTIONAL CHASSIS FOR THE GRP PRE-SEPARATOR

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



MOBILE CONTAINER



rössle

Vacuum cleaners for fire departments



**NEW - THE MOBILE CONTAINER
WITH CUSTOM SOLUTIONS**

The mobile container for water damage can be flexibly equipped and enables rapid preparation for use according to the specific needs of the operation.

By means of individually adjustable guide rails, the mobile container can be equipped with various combinations of products from the HYDRA series.



* Reference model

NEW - THE MOBILE CONTAINER WITH CUSTOM SOLUTIONS

With the new mobile container designed for vacuum cleaners for fire departments, Rösle has created a product that can be flexibly equipped and perfectly adapted to your operational needs in no time at all.

The mobile container persuades with individually adjustable guard rails, which enable you to equip it with various combinations, e.g. of the HYDRA and HYDRA-BOY FD vacuum cleaners as well as the

pre-separator (see p. 19: Reference model with various options).

To ensure safe handling while maximising mobility, the mobile container fabricated from aluminium profiles is equipped with two ball-bearing swivel castors and two ball-bearing fixed castors with drum brakes and dead man's function. Furthermore, it has a foot-operated parking brake.

- Individually customised manufacturing
- Sturdy and durable construction made of high-strength aluminium profiles
- Platforms made of weatherproof plywood
- Ergonomic operation via an end-to-end handle bar with slip-resistant and cold-insulating soft-grip coating
- Two ø 200 mm swivel castors with ball bearings and central wheel and slewing ring lock for optimum manoeuvrability
- Two ø 200 mm fixed castors with ball bearings with drum brake and dead man's function, resistant to dust, moisture and oil
- Foot-operated parking brake

TECHNICAL DATA	Item No. HYDRC (INDIVIDUALLY EQUIPPED)
MAX. LOADING CAPACITY	500 kg
NUMBER OF TIERS	3
WEIGHT	112 kg
SIZE	80 x 120 x 170 cm (W x L x H)



Option
HYDRA and HYDRA



Option
HYDRA and HYDRA-BOY



Option
HYDRA-BOY and HYDRA-BOY



Option
HYDRA and pre-separator










Option
HYDRA-BOY and pre-separator





Blank view of the mobile container

All options are reference models.
The equipment of the mobile container can be individually adapted to your needs.

OPTIONAL ACCESSORIES

HYDRA		
Item No.	Product name	Product description
HYDRED113 	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 is firmly connected to the carcass by using a 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 BOX FOR HYDRA-Z

Item No.	Product name	Product description
<p>HYDRED117</p> 	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.
<p>HYDRED131</p> 	Blind coupling	The HYDRA blind coupling in size C is oil and petrol resistant. The coupling is firmly connected to the carcass by using a chain.
<p>HYDTOR131-B</p> 	Floor nozzle	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>HYDTOR143</p> 	Suction hose	The oil-resistant, 4 m long HYDRA suction hose with a diameter of 40 mm is especially suitable for use in oil spills.
<p>HYDTOR145</p> 	Suction pipe	The oil-resistant, 0.5 m long HYDRA suction pipe made of stainless steel with a diameter of 40 mm is especially suitable for use in oil spills.
<p>HYDTOR147</p> 	Joint nozzle	The HYDRA joint nozzle enables you to suck up liquids in joints.

OPTIONAL ACCESSORIES



HYDRA-BOY

Item No.	Product name	Product description
<p>HYDBOY162</p> 	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.
<p>HYDBOY163</p> 	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.
<p>HYDBOY168</p> 	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 	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.



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fire departments

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