145 YEARS
1879–2024

SARATOOLS.com
POWER TO PRODUCE
A BRAND OF SARTORIUS WERKZEUGE

01.07.2026

TOOL CATALOGUE

THAT'S POWER TO PRODUCE





Dear Customer,

The new SARTORIUS Tools Catalog 2026 has arrived: compact, practical, and consistently tailored to the requirements of your daily work.

Since our foundation in 1879, we have stood for reliability, quality, and strong partnerships. As a machining specialist, we understand the day-to-day challenges of manufacturing and know what truly matters in practice: precise results, efficient processes, and dependable solutions.

With more than 45,000 products, our own brands ATORN and ORION, and a comprehensive range of services, we offer you a powerful all-in-one solution. While ATORN represents the highest standards of quality and performance, we are gradually transforming our previous brand SARA into our new entry-level value brand, ORION.

We offer particular expertise in the fields of machining, workholding, metrology, and environmental technology. These areas are complemented by services such as calibration, regrinding, and repairs, ensuring you can rely on maximum support in your daily operations.

A special highlight is our SARABOT, our smart automation solution for part loading. It helps you streamline processes, save valuable time, and sustainably increase productivity.

We sincerely thank you for your trust and look forward to continuing to support you as a reliable partner, with expert knowledge, a strong product portfolio, and solutions that truly add value to your daily work.

SARTORIUS Werkzeuge GmbH & Co. KG

Özcan Esen
Managing Director

Karsten Bloch
Managing Director



WE ARE GLOBAL. BUT WE'RE LOCAL TOO.

POWER TO PRODUCE is for everyone. That is why we have built up a large network of sales partners throughout Europe, so that you can always rely on SARTORIUS. No matter where you are. No matter where you work.

OUR DISTRIBUTION PARTNERS:

Austria
Bosnia and Herzegovina
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Czech Republic
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Estonia
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Lithuania
Macedonia
Netherlands
Norway
Poland
Portugal
Romania
Serbia
Slovakia
Slovenia
Spain
Sweden
Switzerland
Ukraine
Uzbekistan



OUR PRODUCT PARTNERS

Professional products for almost any application. It's no coincidence – and it's all down to our many partners. Partners with high-quality, innovative products. Partners like:

Mahr · GG · palbit CUTTING TOOLS SOLUTIONS · VAN HOORN CARBIDE · Mitutoyo

kitagawa EUROPE · ARIANA · BAUER SÜDLOHN · SAUTER · PFERD

RÖHM · Dümmel WERKZEUGFABRIK · FAHRION PRÄZISION · bedrunka+hirth

MAPAL · EPPINGER SMARTER TOOLING SOLUTIONS · diebold Goldring-Werkzeuge · amf

pig · FILTERMIST · IMC · NOGA · REVENDO



PERFECT FOR PROFESSIONALS: OUR POWER BRANDS

Because we are always working closely with the pros, we know what professionals want. So what could be more obvious than utilising our accumulated knowledge and providing you with the perfect tool? Precisely. That's why SARTORIUS have created the SARA and ATORN power brands.

MADE TO CREATE.

We know that professionals don't just want good tools – they want the best. That's why we created ATORN. All ATORN tools incorporate our accumulated manufacturing expertise so that you can produce better. The ATORN brand uses only high-quality materials and first-class processing techniques – and all this at an unbeatable price-performance ratio.

At ATORN you will find a range of strong products to handle any job:

- Machining
- Clamping
- Measuring and testing
- Grinding
- Hand tools
- Workshop equipment

STRONG ENTRY-LEVEL BRANDS.

With our own brands, you gain access to a wide range of products for your manufacturing operations: reliable, functional, and attractively priced. Whether you need tool holders, boring bars, clamping jaws, multifunction tools, or milling cutters of all kinds, our entry-level brands are the right choice. Built for professionals and optimized for everyday use.

- High quality
- Functional and safe to use
- Excellent price-performance ratio
- High availability
- Comprehensive product range



ORDER QUICKLY AND EASILY

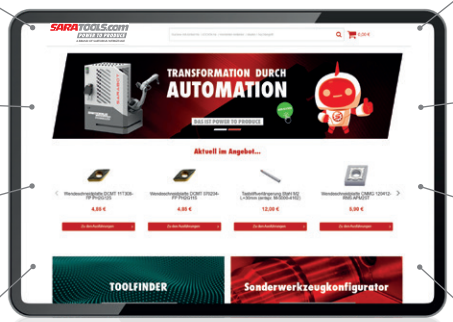
ONLINE-SHOP

Individual Pricing
When logged in, you will see your personalized prices based on your company's agreed purchasing conditions.

Order History
Transparent overview of all your orders at a glance.

Intelligent User Management
Smart user management with budget limits and approval workflows.

Everything at a Glance
Access product information, CAD data, cutting data, and technical data sheets in one place.



Intelligent Product Search
Search quickly and easily across multiple numbering systems, including Sartorius, ATORN, and manufacturer part numbers.

Sartorius Outlet
Discover all clearance and discontinued items at a glance.

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Browse our catalogs digitally on your PC, tablet, or smartphone. Simply click on an item number to go directly to the corresponding product in our online shop.

View and Order Quotations
Received a quotation? Simply add it to your shopping cart and place your order directly.
This makes your ordering process even faster and more efficient.

www.saratools.com



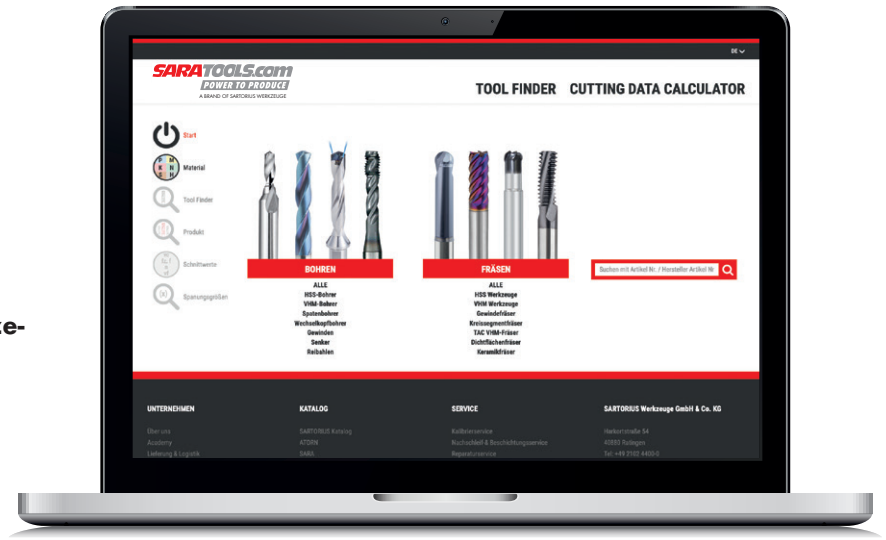
DON'T SEARCH – FIND

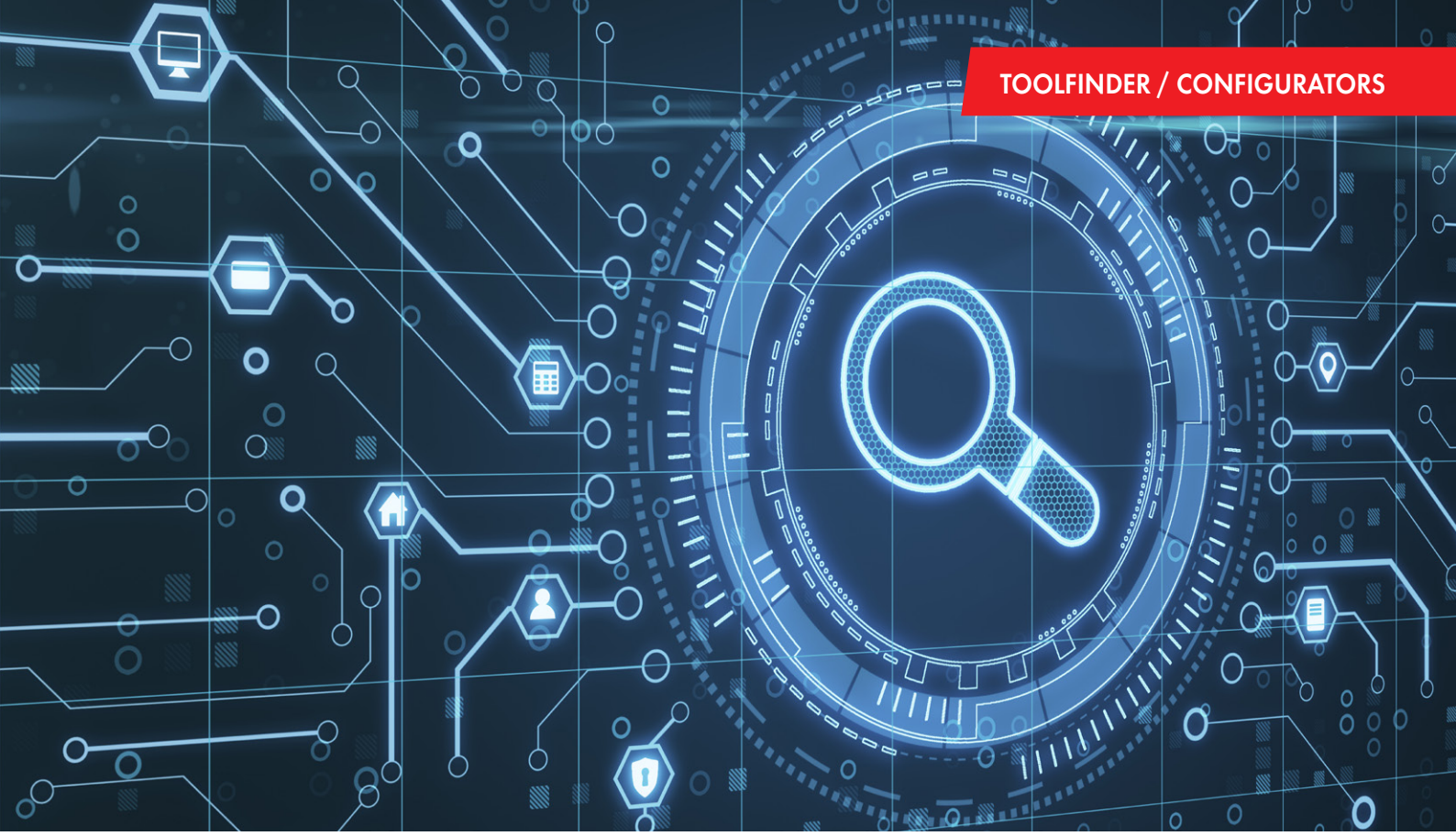
Want to find the right tool quickly and easily, including all product data? You can now do this online with the innovative Tool Finder. You now have the option of customising the search criteria for drilling and milling products. Click by click, you can select the area of application, material, diameter, chip sizes, etc. and find the right tool for your particular application in no time at all.

FIND THE RIGHT TOOL IN JUST A FEW CLICKS

- Download cutting data directly as a PDF
- Available DXF and STEP files can be downloaded directly

To the tool finder
toolfinder.sartorius-werkzeuge.de/?lang=en





TOOLFINDER

AGW-TOOLFINDER

JAW-FINDER

CLAMPING BENE-
FITS CALCULATOR

COOLSPEED-
CONFIGURATORS

SPECIAL TOOL
CONFIGURATOR

Safety & Environment

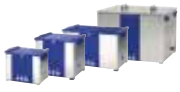
Aerosol filters

	Centrifugal separator	1586
	Monitoring system F-Monitor	1588
	Emulsion mist separator Smokebuster	1591
	Emulsion mist separator Ultra-Cleaner	1592
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Filter fleece

	Filter fleece for switch cabinets, compressors and motors	1605

Parts cleaning

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Cutting fluid

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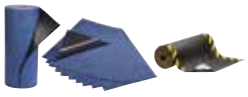
Drum emptying, machine filling, safety shield

	Filling level display	1620
	Mixers	1620
	Cooling lubricant table trolley	1620
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Emulsion treatment

	Cooling lubricant aerator	1621
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	Emulsion treatment case	1622
	Filter fleece for cooling lubricants	1623
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Leak repair and protection

	Mats	1629
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	Grippy mat with adhesive backing	1632
	Absorbent socks	1636
	Drain cover	1636
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Foot grilles and floor mats

	Wooden foot grating	1638
	Workplace mats	1639
	Flame-retardant workstation mat	1641

Chip tipper
Conveying equipment accessories

	Chip tippers, chip containers, tipping troughs	1642
	Load hooks	1645
	Collection trays	1645
	Chip hook, magnetic chip collector	1646

- Oil mist is harmful to health.
- Oil mist causes slippery floors and can cause damage to electrical switchgears.
- Oil mist can lead to deposits in ventilation pipes. This is a fire hazard.
- Laws and regulations are becoming more and more stringent.
- The recirculation of purified air reduces energy and heating costs.

▸ Centrifugal separators create cleaner, safer and more productive workplaces!

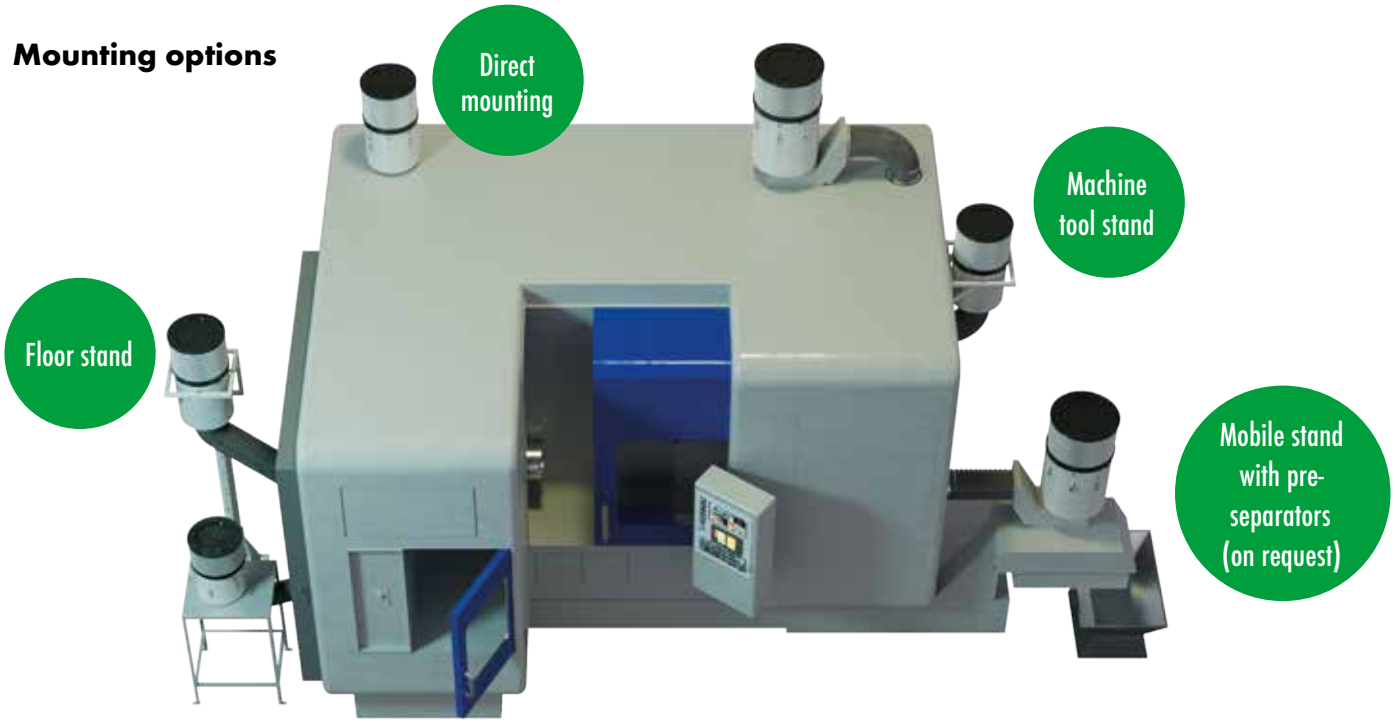
Function

1 Oil mist is eliminated at the source.
2 Oil mist is removed from the air using centrifugal force.
3 The separated oil is returned to the machine.
4 Clean air is released back into the workshop.
5 A special secondary filter allows for the removal of smoke and steam and increases the degree of separation.

A perforated drum with specially designed blades rotates at high speed. Oil mist is sucked into the device and bounces off the blades. Filter mats aid the process in which small droplets form larger ones and filter out swirling solid particles. Centrifugal force presses the oil into the housing wall of the device. From here it is fed back into the machine or collecting container.
What is left is cleaner air, which is returned to the factory floor.



Mounting options



FILTERMIST Centrifugal separator *S series* and *XCEL2*

- Efficiently removes oil and coolant mist, smoke and steam
- **Application:** Turning, milling, wet grinding, sawing, EDM / spark eroding, food processing and parts washing
- All versions comply with CE regulations.
- **Energy-efficient IE3 motors for models FX4002 - FX7002**
- **Test certificate available for IFA-tested smoke filter on request**
- Standard colour RAL 7035 (light grey), other RAL colours available on request
- **Stainless steel version:** For the removal of smoke and vapour when washing parts (parts washing machine / parts washer)
- **Supplied with:** highly efficient secondary filter (not for stainless steel version), oil return hose (S series 2 m, FX series 4 m), assembly and operating instructions, no appliance switch
- **Pricing:** ex works, including packaging

Free 5-year guarantee for all new filter systems www.filtermist.com/warranty/

YouTube user video



Basic unit including highly efficient secondary filter

Single units

- including highly efficient secondary filter and filter monitoring F-Monitor Essential

Model	Air supply quantity m³/h	Motor output kW	Nominal voltage / frequency V/Hz	Sound-pressure level dB	Hose connection diameter mm	External Ø mm	Height mm	Weight kg	art.no.	€
S200	180	0.18	200, 220, 380, 400 V / 50 Hz | 200, 220, 230, 440, 460, 480 V / 60 Hz	62	75	260	423.50	11.85	902015 0200	2.999,–
S400	425	0.55	200, 220, 380, 400 V / 50 Hz | 200, 220, 230, 440, 460, 480 V / 60 Hz	65	150	325	494.50	16.85	902015 0400	3.429,–
S800	800	0.55	200, 220, 380, 400 V / 50 Hz | 200, 220, 230, 440, 460, 480 V / 60 Hz	67	150	325	543.50	17.85	902015 0800	4.239,–
FX4002	1250	1.1	200, 220, 380, 400 V / 50 Hz | 200, 220, 230, 440, 460, 480 V / 60 Hz	70	150	357	682.5	28.8	902015 4002	4.869,–
FX5002	1675	1.5	200, 220, 380, 400 V / 50 Hz | 200, 220, 230, 440, 460, 480 V / 60 Hz	71	200	357	751.50	35.3	902015 5002	4.999,–
FX6002	2000	2.2	200, 220, 380, 400 V / 50 Hz | 200, 220, 230, 440, 460, 480 V / 60 Hz	73	200	438	805.50	41.4	902015 6002	5.499,–
FX7002	2750	2.2	200, 220, 380, 400 V / 50 Hz	73	200	438	805.50	41.4	902015 7002	6.999,–

9101



Stainless steel version

Stainless steel

- To remove smoke and steam when washing parts (parts washing machine / washing system)

Model	Air supply quantity m³/h	Motor output kW	Nominal voltage / frequency V/Hz	Sound-pressure level dB	Hose connection diameter mm	External Ø mm	Height mm	Weight kg	art.no.	€
S400	425	0.55	200, 220, 380, 400 V / 50 Hz | 200, 220, 230, 440, 460, 480 V / 60 Hz	65	150	325	381	14	902020 0400	4.179,–
S800	800	0.55	200, 220, 380, 400 V / 50 Hz | 200, 220, 230, 440, 460, 480 V / 60 Hz	67	150	325	435	15	902020 0800	5.309,–
FX4002	1250	1.1	200, 220, 380, 400 V / 50 Hz | 200, 220, 230, 440, 460, 480 V / 60 Hz	70	150	357	544	25.8	902020 4002	6.099,–
FX5002	1675	1.5	200, 220, 380, 400 V / 50 Hz | 200, 220, 230, 440, 460, 480 V / 60 Hz	71	200	357	634.5	31.8	902020 5002	6.419,–
FX6002	2000	2.2	200, 220, 380, 400 V / 50 Hz | 200, 220, 230, 440, 460, 480 V / 60 Hz	73	200	438	638.5	36.8	902020 6002	6.999,–
FX7002	2750	2.2	200, 220, 380, 400 V / 50 Hz	73	200	438	638.5	36.8	902020 7002	8.999,–

9101



Stand-mounted with side intake



Mounted directly on automatic lathes



Mounted on machine vices



Section view

FILTERMIST Accessories and spare parts

Smoke filter

- filters out smoke particulate that can occur during heavy machining
- for particle sizes < 1µm
- from S400 filter class H13 available on request

Designation	F series model 6 to 8	S series / X-CEL2	X-CEL	F8 art.no.	€
HEPA secondary filter	-	S200	-	902070 0002	659,–
HEPA secondary filter	F7	S400, S800, FX200, FX3002	FX2000	902070 0011	669,–
HEPA secondary filter	-	FX4002, FX5002	FX3000, FX4000, FX5000, FX6000	902070 0004	699,–
HEPA secondary filter	F13 to F34	FX6002, FX7002	FX7000	902070 0001	709,–

9102



Smoke filter with test certificate

Superfine particle filter

- **Compact and low-cost method to remove ultra-file oil mist particles from the workshop air**
- Synthetic high-tech filter material with a drainage effect
- Enables the recirculation of filtered oil through a patented Venturi suction system – extends the service life of the filter and lowers operating costs.
- Certified in accordance with EPA class E10

Ideal for chip removal processes with pure oil cooling and high-pressure pumps

Designation	suitable for model	art.no.	€
Post-filter S-Fusion	S200, S400, S800	902070 0200	1.729,–
Post-filter FX-Fusion	FX4002, FX5002, FX6002, FX7002	902070 4002	1.779,–
Adapter	FX6002, FX7002	902070 0230	699,–

9101



Monitoring system F-Monitor

- **measures the air flow and run time of the filter system**
- **F Monitor 2+ also measures the motor temperature and vibrations**
- An LED traffic-light system warns the machine operator or indicates when a service is required.
- App control via **Bluetooth interface**
- The optional sensor monitors the vibrations and the temperature (already included with F-Monitor 2+)

Model	art.no.	€
F-Monitor Essential incl. accessories	902011 0003	325,–

9102



902011 0003

Spare parts, consumables

- **Please note the serial number of the filter system!**

Description	S series / X-CEL2	X-CEL	F series model 6 to 8	art.no.	€
Discharge filter	S200	-	-	902070 0058	82,90
	S400, S800	-	-	902070 0059	82,90
	FX2002, FX3002	FX2000	F7 all series	902070 0021	92,50
	FX4002, FX5002	FX3000 to FX6000	-	902070 0025	157,50
	FX6002, FX7002	FX7000	F13, to F34 Series 7 and 8	902070 0020	128,50
Cover seal	S200	-	-	902070 0057	20,90
	S400, S800, FX2002, FX3002	FX2000	-	902070 0027	23,50
	FX4002, FX5002	FX3000 to FX6000	-	902070 0026	29,90
	FX6002, FX7002	FX7000	F13 to F34 Series 7 and 8	902070 0043	23,90
Filter inserts set	S200	-	-	902070 0054	45,90
	S400, FX2002	FX2000	F7 all series	902070 0055	52,–
	S800, FX3002		-	902070 0056	79,90
	FX4002	FX3000, FX4000	-	902070 0023	79,90
	FX5002	FX5000, FX6000	-	902070 0022	89,–
	FX6002, FX7002	FX7000	F28 Series 6 and 7, F34	902070 0010	78,90
	-	-	F13, F21 Series 6 and 7	902070 0014	64,–
	-	-	F14, F21 from Series 8	902070 0013	64,–
	-	-	F28 from Series 8	902070 0012	78,90
Motor 0.18 kW	S200	-	-	902070 0101	659,–
Motor 0.55kw incl. vibration damper	S400, S800	FX1000, FX2000	F7	902070 0120	789,–
Motor 1.1kw incl. vibration damper	FX4002	FX3000	F13, F14, F21	902070 0121	1.159,–
Motor 1.5kw incl. vibration damper	FX5002	FX5000	F28 Series 7 and 9	902070 0122	1.219,–
Motor 2.2kw incl. vibration damper	FX6002, FX7002	FX6000	F34	902070 0123	1.249,–
Barrel incl. filter mats	FX2002	FX2000	F7	902070 0035	599,–
	FX3002	-	-	902070 0046	799,–
	FX4002	FX3000, FX4000	-	902070 0034	1.019,–
	FX5002	FX5000	-	902070 0033	1.039,–
	FX6002	-	F34	902070 0048	1.089,–
	FX7002	FX7000	-	902070 0044	1.439,–
Vibration damper for motor fitting	S400, S800	FX2000	F7	902070 0037	99,90
	FX4002 to FX7002	FX3000 to FX7000	F13 to F34	902070 0036	143,50
Maintenance kit: filter mats, discharge filters, cover seals, vibration dampers	S200	-	-	902070 0060	142,50
	S400	-	-	902070 0061	239,–
	S800	-	-	902070 0062	259,–
	FX4002	FX3000, FX4000	-	902070 0040	350,–
	FX5002	FX5000, FX6000	-	902070 0039	350,–
	FX6002, FX7002	FX7000	-	902070 0047	350,–
	-	-	F7	902070 0053	249,–
	-	-	F14, F21 Series 8	902070 0051	350,–
	-	-	F28 Series 7, F34 Series 7 and 8	902070 0049	350,–
	-	-	F28 Series 8	902070 0050	350,–

9102

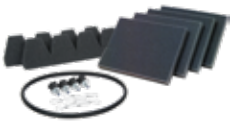

Discharge filter


Cover seal


Filter inserts

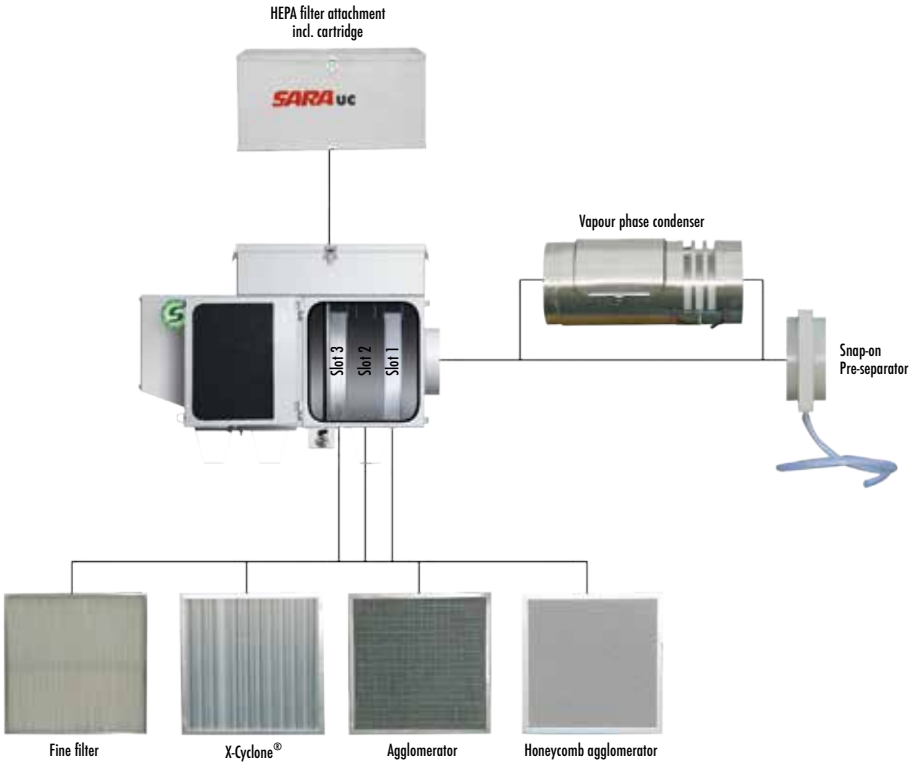

Motor


Vibration damper


Mainte-nance kit

SARA® Ultra-Cleaner modular emulsion mist separator

INFO



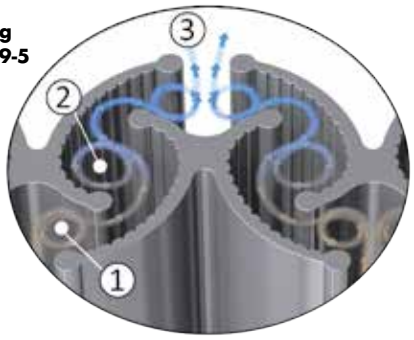


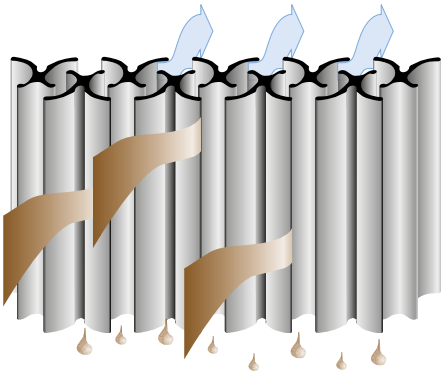
SARA® X-Cyclone® separator

INFO

Advantages:

- **Separation efficiency up to 99.999 %**
- **Completely maintenance-free and self-cleaning**
- **Flame retardant in accordance with DIN 18869-5 and DIN 16282-6**
- **Made of rust-resistant materials**
- **Not a disposable product**
- **Lifetime guarantee**

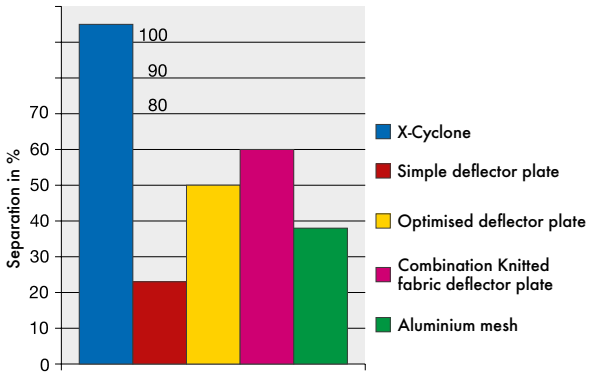




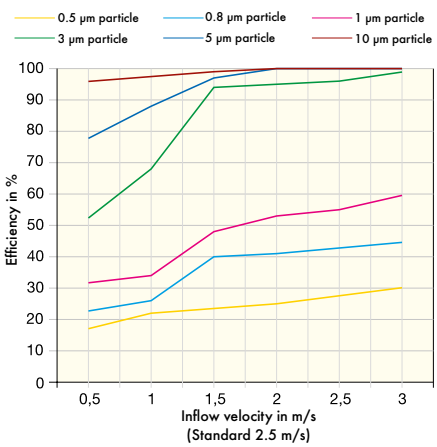
Technology and operating principle:
The aerosol-contaminated exhaust air flows into the X-CYCLONE® separator where it is accelerated to a high speed. This acceleration generates three rotating vortices which force the airborne aerosol particles against the profile, causing them to separate and run off as a liquid.

Flame exposure test according to DIN EN 16282
Air can flood the **X-Cyclone®** basic element, but the flames are blocked. Even in the event of an explosion in the workspace, the **X-Cyclone®** prevents any penetration of the flames and blast. Downstream equipment or drainage systems are thus protected.

Effectiveness of various pre-separators by comparison



Separation efficiency of various particle sizes



SARA® SMØKEBUSTER

EMULSION MIST SEPARATOR

Join the fight against aqueous aerosols. The Smokebuster is an invisible hero, removing dirt particles from the air in your processing machines (separation efficiency of up to 99.9999%) so that you can work with peace of mind. This high-performance separation system is compact, energy-efficient and a true miracle weapon against ultra-fine particles. In order to achieve optimum separation efficiency, the flow behaviour has been simulated on the computer and the design of the filter device repeatedly adapted.

Create a cleaner, more efficient working environment for your employees.

SARA® Emulsion mist separator *Smokebuster*

- **CFD optimised high-performance separation system with a separation efficiency of up to 99.9999%**.
- **Thanks to the European ErP Directive, energy savings of several thousand euros are possible compared to conventional air purifiers.**.
- **For processing machines up to approx. 2 m³ working area volume**
- Effective separation of liquid-containing aerosols
- Compact design, direct mounting on the machine
- Stable and torsion-free stainless steel housing
- Integrated long-term HEPA filter
- Designed, engineered and produced in Germany
- **Supplied with:** emulsion mist separator, Smokebuster, particulate filter and connection cable.
- **Pricing:** ex-works, including packaging



Model	Max. suction capacity m³/h	Length x width x height mm	Hose connection diameter mm	Weight kg	Sound-pressure level dB	Motor output kW	Current at 50 Hz A	Nominal voltage V	art.no.	€
Smoke-buster	1000	345 x 345 x 595	200	27	67	0.168	1.4	230	909090 0001	3.239,–
									9111	

SARA® Ultra-Cleaner modular emulsion mist separator

- **Mechanical, with patented X-Cyclone®agglomerator system**
- **Thanks to European ErP directives, energy savings of several thousand euros are possible compared to conventional air purifiers.**
- **Works without disposable filters – no subsequent costs!**
- Effective separation of oils, emulsions, other fluids and solid particles
- Complete unit as a recirculating device with an integrated ventilator
- Robust and torsion-free housing made of powder-coated stainless steel (RAL 7035, light grey), smooth internal surface and with service opening
- Bottom section formed as an oil and water-tight collection tray
- Collecting tray fitted with drain cock for emptying, optional siphon available
- Thanks to the diverse installation and assembly possibilities of the Ultra-Cleaner system, most extraction problems arising in connection with various machining processes and the use of different coolant lubricants and oils can be solved with a single appliance.
- Developed, designed and manufactured in conformity with the relevant EU directives
- Ultra-Cleaners are tested for flame resistance in accordance with DIN EN 16282
- Separation efficiencies tested and confirmed by the Fraunhofer Institute for Toxicology and Experimental Medicine
- Permissible ambient temperature for all models 0°C to 50°C
- **Supplied with:** Ultra-Cleaner with frequency converter and motor cover, agglomerator and X-Cyclone® filter insert
- **Pricing:** ex works, including packaging

Self-regulating separator



UC1SD
right-hand

Single units

- **Filter system automatically regulates the motor output according to the degree of contamination of the separator. This guarantees that the volume flow, inflow velocity and separation efficiency remain the same until complete contamination (red status indicator).**
- Digital wear indicator

Model	Min. suction capacity m³/h	Max. suction capacity m³/h	Length x width x height mm	Hose connection diameter mm	Weight kg	Sound-pressure level dB	Motor output kW	Current at 50 Hz A	Nominal voltage V	Right art.no.	Right €	Left art.no.	Left €
UCS-Mini	300	500	360 x 355 x 565	150	20	50	0.18	0.52	400	909100 0001	3.489,–	909105 0001	3.489,–
UC1SD	500	1000	865 x 360 x 640	200	44	67	0.65	1.6	400	909100 0010	5.585,–	909105 0010	5.585,–
UC2SD	1000	2000	900 x 440 x 720	200	62	69	1.4	3.1	400	909100 0020	7.710,–	909105 0020	7.710,–
UC3SD	2000	3000	945 x 520 x 800	300	93	69	1.55	4.4	400	909100 0030	9.125,–	909105 0030	9.125,–
										9103		9103	



Elma Ultrasonic cleaning

Elma ultrasonic cleaning devices are recommended for cleaning filter stages and collector cells.

Ultrasonic cleaning is one of the best cleaning methods around today. It is ecological, economical, intensive and gentle all at the same time.



Ideal for cleaning filter stages

Vapour phase condenser

- Increases the extraction efficiency of the filter
- For enlarging particles upstream of the filter system
- For machining with coolant pressures > 20 bar

Designation	Suitable for	art.no.	€
Vapour condenser 200 mm, L = 400 mm	UC1SD | UC2SD	909005 0037	2.099,–
Vapour condenser 300 mm, L = 400 mm	UC3SD	909005 0038	2.319,–
Stainless steel insert for vapour phase condenser	UC1SD | UC2SD	909005 0040	599,–
Stainless steel insert for vapour phase condenser	UC3SD	909005 0041	669,–

9104


Vapour phase condenser

HEPA filter attachment

- Filters out smoke particulate that can be generated during heavy machining
- For particle sizes < 1 µm

Designation	Suitable for	art.no.	€
HEPA filter attachment incl. cartridge	UCS-Mini	909005 0053	1.069,–
HEPA filter attachment incl. cartridge	UC1SD	909005 0030	1.179,–
HEPA filter attachment incl. cartridge	UC2SD	909005 0031	1.299,–
HEPA filter attachment incl. cartridge	UC3SD	909005 0032	1.450,–
Replacement cartridge DIN EN 60335-2-69:2008 H	UCS-Mini	984901 3335	569,–
Replacement cartridge DIN EN 60335-2-69:2008 H	UC1SD	909005 0007	739,–
Replacement cartridge DIN EN 60335-2-69:2008 H	UC2SD	909005 0017	799,–
Replacement cartridge DIN EN 60335-2-69:2008 H	UC3SD	909005 0008	909,–

9104


Spare cartridge

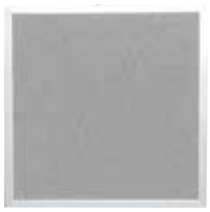


Honeycomb agglomerator

- For agglomerating very fine emulsion particles
- Honeycomb structure for an extremely large surface area
- Washable

Designation	Suitable for	art.no.	€
Honeycomb agglomerator 330 x 330 x 50	UCS-Mini | UC1SD	909005 0110	929,–
Honeycomb agglomerator 410 x 410 x 50	UC2SD	909005 0112	1.145,–
Honeycomb agglomerator 490 x 490 x 50	UC3SD	909005 0111	1.529,–

9104


Honeycomb agglomerator

Fine filter

- Extracts small smoke particulate and fine oil particles up to 1 µm
- For thin, resin-free oils
- Coated, partly washable

Designation	Suitable for	art.no.	€
Fine filter insert	UCS-Mini | UC1SD	984901 3333	460,–
Fine filter insert	UC2SD	984901 4141	443,–
Fine filter insert	UC3SD	984901 4949	540,–

9104


Fine filter, coated

Spare parts

Designation	Suitable for	art.no.	€
X-Cyclone 330 x 330 x 50	UCS-Mini | UC1SD	984900 3333	705,–
X-Cyclone 410 x 410 x 50	UC2SD	984900 4141	895,–
X-Cyclone 490 x 490 x 50	UC3SD	984900 4949	1.049,–
Agglomerator 330 x 330 x 30	UCS-Mini	909005 0013	725,–
Agglomerator 330 x 330 x 50	UC1SD	909005 0010	725,–
Agglomerator 410 x 410 x 50	UC2SD	909005 0012	915,–
Agglomerator 490 x 490 x 50	UC3SD	909005 0011	1.189,–
Silencer insert 440 x 315 x 65	UCS-Mini	909005 0025	107,–
Silencer insert 530 x 320 x 65	UC1SD	909005 0026	135,50
Silencer insert 575 x 400 x 65	UC2SD	909005 0027	169,50
Silencer insert 610 x 475 x 65	UC3SD	909005 0028	198,50

9104


Agglomerator


X-Cyclone


Silencer insert

SARA® *Ultra-Jet* emulsion mist separator

- **Mechanical, with patented X-Cyclone® agglomerator system**
- **Thanks to European ErP directives, energy savings of several thousand euros are possible compared to conventional air purifiers.**
- **No speed regulation**
- **No disposable filters**
- Depending on size, suitable for processing machines of approx. 1-3 m³ Suitable for internal chamber volume and light-duty chip-removal processes
- Compact design, direct mounting on the machine
- Up to four filter stages, can be retrofitted with a HEPA filter
- Dynamic-static combined filter system
- Dynamically balanced high-performance fan integrated into the filter unit
- Service opening with quick-release clamps
- ULTRA-JET is tested for flame resistance in accordance with DIN EN 16282
- Stainless steel housing powder-coated in RAL 7035 (light grey), high-performance X-Cyclone® separator profiles made of aluminium
- **Supplied with:** Ø 160/150 mm reducer with chip pre-filter insert, 3 m oil return hose
- **Pricing:** ex works, including packaging





Single units

Model	Max. suction capacity m³/h	Length x width x height mm	Hose connection diameter mm	Weight kg	Motor output kW	Current at 50 Hz A	Nominal voltage V	Sound-pressure level dB	art.no.	€
Ultra-Jet 1	1000	410 x 410 x 480	150	20	0.25	0.74	400	69	909016 0010	3.619,–
Ultra-Jet 2	1400	410 x 410 x 480	150	22	0.5	1.3	400	73	909016 0020	4.525,–

9103

HEPA filter attachment

- Filters out smoke particulate that can occur during heavy machining
- For particle sizes < 1 µm

Designation	Suitable for	art.no.	€
HEPA filter attachment incl. cartridge	Ultra-Jet 1 | Ultra-Jet 2	984901 3337	1.199,–
Replacement cartridge DIN EN 60335-2-69:2008 H	Ultra-Jet 1 | Ultra-Jet 2	984901 3338	569,–

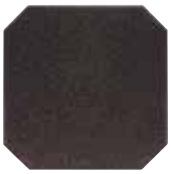
9104



Accessories

Designation	Suitable for	art.no.	€
Fine filter attachment incl. cartridge	Ultra-Jet 1 | Ultra-Jet 2	984902 0010	969,–
Silencer mat	Ultra-Jet 1 | Ultra-Jet 2	984901 0010	184,50

9104



984901 3338



SARA® Modular separator with spray system

- **Thanks to European ErP directives, energy savings of several thousand euros are possible compared to conventional air purifiers.**
- **Specially developed for use when machining dry cast iron, graphite and plastics, and for machining processes which generate extensive vapour and smoke.**
- **Water wall formed inside the appliance for pre-filtering**
- Aerosols, solid particles such as dust created by cast iron machining, and hazardous gas molecules are bound and washed out
- The filter system must be connected to the existing cooling circuit on the machine or alternatively to a separate tank and pump supplied by the customer.
- 1" hose connection for inlet and 2" thread for outlet
- Flow-optimised air duct inside the appliance ensures that the entire filter surface is sprayed while reducing water circulation volume.
- The service life of the recirculated coolant is extended as a result of oxygenation
- Separation of aerosols and liquid particles by the patented X-Cyclone® and agglomerator system
- Permissible ambient temperature 0°C to 50°C
- Stainless steel housing, powder-coated in RAL 7035 (light grey)
- other RAL colours available on request
- **Supplied with:** Spray mist separator with nozzles, agglomerator and X-Cyclone® filter insert
- **Pricing:** ex works, including packaging

Rost frei

Self-regulating separator



909140 2500

Single units

- **Filter system automatically regulates the motor output according to the degree of contamination of the separator. This guarantees that the volume flow, inflow velocity and separation efficiency remain the same until complete contamination (red status indicator).**
- Digital wear indicator

Model	Max. suction capacity m³/h	Length x width x height mm	Hose connection diameter mm	Weight kg	Sound-pressure level dB	Motor output kW	Current at 50 Hz A	Nominal voltage V	Right art.no.	Right €	Left art.no.	Left €
UCSD 800	800	1050 x 370 x 765	150	52	63	0.25	0.74	400	909140 0800	6.669,–	909145 0800	6.669,–
UCSD 1200	1200	1200 x 370 x 765	200	60	65	0.5	1.3	400	909140 1200	10.799,–	909145 1200	10.799,–
UCSD 2500	2500	1280 x 550 x 925	300	116	67	1.17	2.6	400	909140 2500	14.789,–	909145 2500	14.789,–
UCSD 4000	4000	1300 x 655 x 1045	300	158	72	1.6	3.55	400	909140 4000	21.599,–	909145 4000	21.599,–
									9103		9103	

Accessories

Designation	art.no.	€
Connection kit incl. magnetic valves, Siemens controller, installation material, without pump	909041 0010	4.225,–
	9104	

The spray system

Cleaning, increasing efficiency and air scrubbing

The spray system cleans the X-CYCLONE® aerosol separators in extraction systems, thus increasing separation efficiency, particularly for dusty exhaust air or sticky substances.
In addition, the spray system cleans the air in a similar way to air scrubbers in the chemical industry. The **permanent air scrubbing function** removes the smallest aerosols and harmful gases from the air.

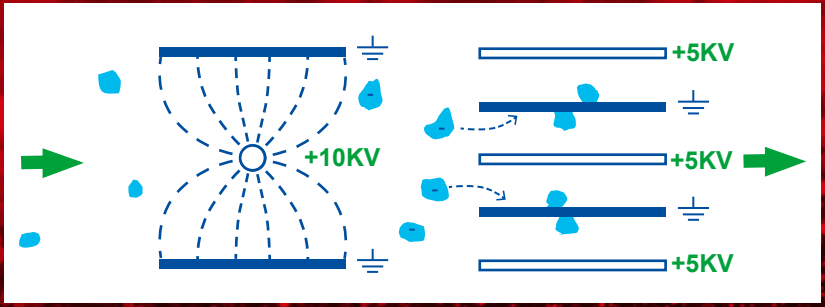


High extraction efficiency

ELECTROSTATIC SEPARATORS

The diagram shows a simple illustration of how an electrostatic separator works:
As the air flows into the combined ioniser/collector cell, the particles in the air stream are polarised.
Between the plates of the collector cell, the polarised particles are repelled by the positively charged plates and attracted by the earthed plates, to which they adhere and are thus filtered out of the air flow.

OPERATING PRINCIPLE





SMOKE OIL VAPOUR

SARA® Electrostatic oil mist separator

- **Thanks to European ErP directives, energy savings of several thousand euros are possible compared to conventional air purifiers.**
- Developed for extracting pure oil mists on cutting machines
- Pre-filtering of aerosols and liquid particles by the patented X-Cyclone® and agglomerator system
- Aerosols and particles measuring less than 1µm are separated in the electrostatic collector.
- **All filter elements can be cleaned and reused – no disposable filters.**
- The base of the housing is an oil and water-tight collection tray.
- TÜV-tested fire screen in accordance with DIN EN 16282
- Appliances comply with an ozone limit of 0.2mg/m³
- Permissible ambient temperature 0°C to 40°C
- Stainless steel housing, powder-coated in RAL 7035 (light grey)
- other RAL colours available on request
- Supplied ready to plug in (Harting HAN 10) with integrated fan
- **Supplied with:** Electrostat, glass fibre agglomerator and X-Cyclone® filter insert
- **Pricing:** ex works, including packaging

Rostfrei

erfüllt die ErP

Energiesparende Technologie, designed, konstruiert und produziert in Deutschland

Self-regulating separator



Single unit

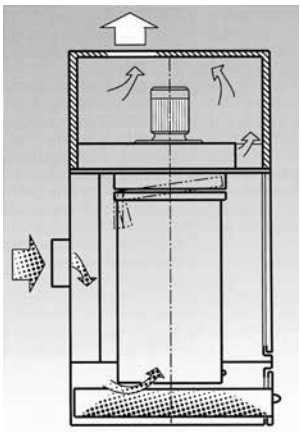
- **Filter system automatically regulates the motor output according to the degree of contamination of the separator. This guarantees that the volume flow, inflow velocity and separation efficiency remain the same until complete contamination (red status indicator).**
- Digital wear indicator
- **Model D** = 2 collector cells, **Model T** = 3 collector cells

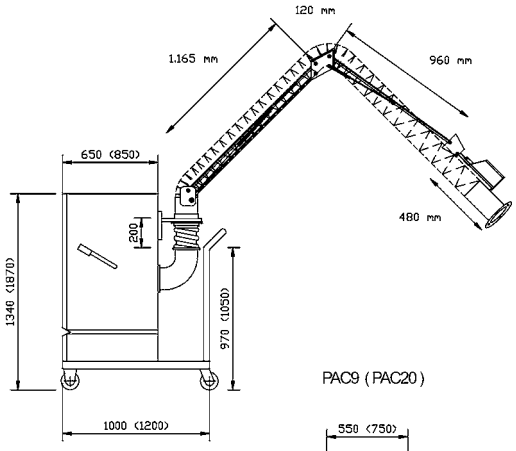
Model	Max. suction capacity m³/h	Length x width x height mm	Hose connection diameter mm	Weight kg	Sound-pressure level dB	Number of collector cells	Motor output kW	Current at 50 Hz A	Nominal voltage V	**Right** art.no.	€	**Left-hand** art.no.	€
SEF 1000	1000	1325 x 560 x 810	200	117	63	1	0.32	0.95	400	909120 1001	6.049,–	909125 1001	6.049,–
SEF 1000 D	1000	1540 x 560 x 810	200	143	63	2	0.32	0.95	400	909120 1002	8.129,–	909125 1002	8.129,–
SEF 1000 T	1000	1755 x 560 x 810	200	169	63	3	0.32	0.95	400	909120 1003	9.619,–	909125 1003	9.619,–
SEF 1700	1700	1375 x 525 x 900	200	121	65	1	0.59	1.53	400	909120 1701	9.649,–	909125 1701	9.649,–
SEF 1700 D	1700	1590 x 525 x 900	200	148	65	2	0.59	1.53	400	909120 1702	10.899,–	909125 1702	10.899,–
SEF 1700 T	1700	1800 x 525 x 900	200	175	65	3	0.59	1.53	400	909120 1703	11.619,–	909125 1703	11.619,–
SEF 2500	2500	1375 x 650 x 900	300	185	67	1	1.29	2.86	400	909120 2501	11.999,–	909125 2501	11.999,–
SEF 2500 D	2500	1590 x 650 x 900	300	190	67	2	1.29	2.86	400	909120 2502	15.589,–	909125 2502	15.589,–
SEF 2500 T	2500	1800 x 650 x 900	300	219	67	3	1.29	2.86	400	909120 2503	18.129,–	909125 2503	18.129,–
										9155		9155	

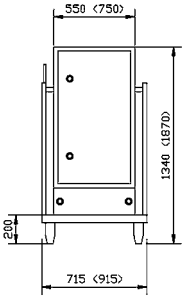


SARA SARA-PAC Power-Air-Cleaner dry dust filter system

- Separation system with air flow of 900 m^3/h or 2000 m^3/h
- For virtually all typical application problems in industrial and artisan manufacturing relating to the extraction of dry dust
- The basic unit is a pocket filtration device with polyester needle felt filter bags, which can be cleaned using either a vibrating roller or a pneumatic vibrator.
- Typical areas of application include the extraction of dust generated by polishing, cutting, sawing, milling as well as de-burring when machining metal, stone, wood and plastic
- Standard colour RAL 5007 (brilliant blue), other RAL colours available on request
- **Pricing:** ex works, including packaging









Ill. shows SARA-PAC 20 with dust container and secondary filter

Complete unit for stationary connection

Designation	Max. suction capacity m^3/h	Width mm	Depth mm	Height mm	Hose connection diameter mm	Sound-pressure level dB	Weight kg	Motor output kW	Nominal voltage / frequency V/Hz	Current at 50 Hz A	Container capacity l	art.no.	€
SARA-PAC 9 with dust drawer	900	550	650	1200	125	72	90	0.75	230 / 400	1.8	45	988102 0009	4.985,–
SARA-PAC 9 with dust container	900	550	650	2000	125	72	90	0.75	230/ 400	1.8	45	988102 1009	6.610,–
SARA-PAC 20 with dust drawer	2000	750	850	1650	200	75	220	2.2	230 / 400	4.7	120	988102 0020	5.289,–
SARA-PAC 20 with dust container	2000	750	850	2400	200	75	220	2.2	230 / 400	4.7	120	988102 1020	7.119,–

9108

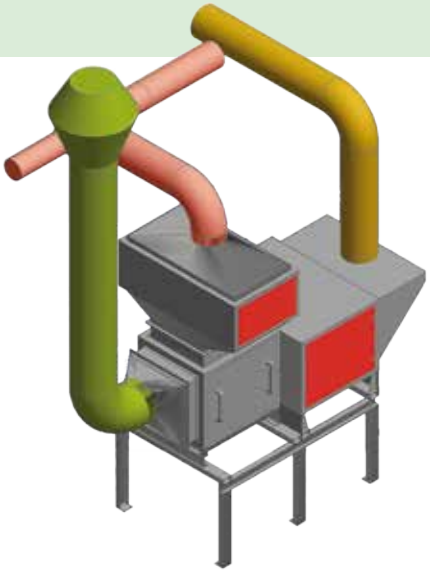
Accessories and consumables

Designation	For SARA-PAC 9 art.no.	€	For SARA-PAC 20 art.no.	€
Chassis	988106 0001	739,–	988107 0001	1.085,–
Suction arm, DN 125 mm, or DN 200 mm, length 3 m	988106 0002	2.470,–	988107 0002	2.310,–
Pneumatic filter cleaning	988106 0003	3.259,–	988107 0003	3.459,–
Secondary filter unit EU 12	988106 0004	2.430,–	988107 0004	4.019,–
Secondary filter unit, active carbon	988106 0005	2.430,–	988107 0005	4.019,–
Spare filter insert EU 12	988106 0006	765,–	988107 0006	1.525,–
Spare filter insert, active carbon	988106 0007	945,–	988107 0007	1.890,–
Spare filter bag, standard	988106 0008	290,–	988107 0008	442,–
Spare filter bag, anti-static	988106 0009	305,–	988107 0009	478,–
Spare filter bag, coated	988106 0010	385,–	988107 0010	529,–
Water pre-separator	988106 0011	3.359,–	988107 0011	6.149,–
	9108		9108	



Centralised extraction systems for cutting machines

INFO



Centralised extraction systems can reduce cleaning, energy and maintenance costs. Production residues such as smoke, dust and vapour are removed immediately and reliably.

Contaminated machines can result in production downtime. The central extraction system ensures a smooth production process and clean working conditions for your employees. Take advantage of the time and cost-saving potential offered by centralised extraction systems.

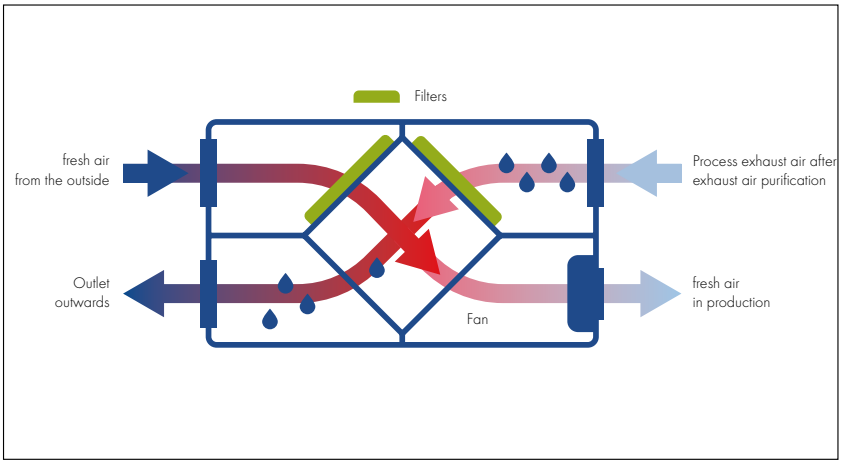
Tip: Additional benefits of your central extraction system – Heat recovery from purified exhaust air

The most practical option for **heat recovery** in centralised extraction systems is probably an infinitely variable summer/winter switchover. To save energy, the exhaust air from the production processes is cleaned to such an extent that it can be fed directly back into the production room. Infinitely variable adjustment of the recirculated air and exhaust air volume enables customised adaptation to the room conditions.

In contrast to individual extraction systems installed directly on the machines, the cleaned and possibly still contaminated and warm exhaust air can be continuously discharged outdoors during the **summer months**. Appropriate supply air systems can be implemented for the flow of fresh air.

Another option is the use of **highly efficient heat exchangers** as air/air or air/water systems in central systems for the discharge of harmful exhaust air constituents that should not or cannot be returned via high-quality filtration, e.g. welding fumes from highly refined steels or heavily odour-contaminated exhaust air. Here, the warm, purified exhaust air is channelled through plate or tube exchangers and secondary air or water is heated. A combination with **heat pumps** is possible and sensible in terms of the overall concept. Such systems are mandatory for new production rooms if direct air recirculation cannot be achieved in winter operation and are eligible for funding in accordance with the respective regional regulations.

Your regional energy consultancy is your point of contact for all matters relating to subsidy programmes.



Schematic representation of an air/air heat recovery system by means of a cross-flow plate heat exchanger



Exhaust air purification with direct heat recovery by means of a cross-flow plate heat exchanger

QleanAir Air Purifier *FS 70*

Freestanding air purifiers for professional environments



Few things have as significant an impact on health, performance, and quality as clean air. Every day, we breathe around 11,000 liters of air and take over 20,000 breaths. We spend about 90% of our time indoors, mainly at home and at work. In some indoor environments, the air can be up to 50 times more polluted than outdoor air. Therefore, air quality in our workplaces has a considerable impact on our health.

In the manufacturing industry, air quality is a key issue, as many production companies struggle with poor or harmful indoor air. In addition to creating a healthier work environment, air quality also significantly affects the quality and purity of products as well as the efficiency of processes. Striving for good air quality should therefore be a strategic priority for manufacturing companies and can ultimately influence their overall performance.

Independent air purifiers can help improve air quality by reducing welding fumes, grinding dust, and other harmful pollutants generated in production facilities.

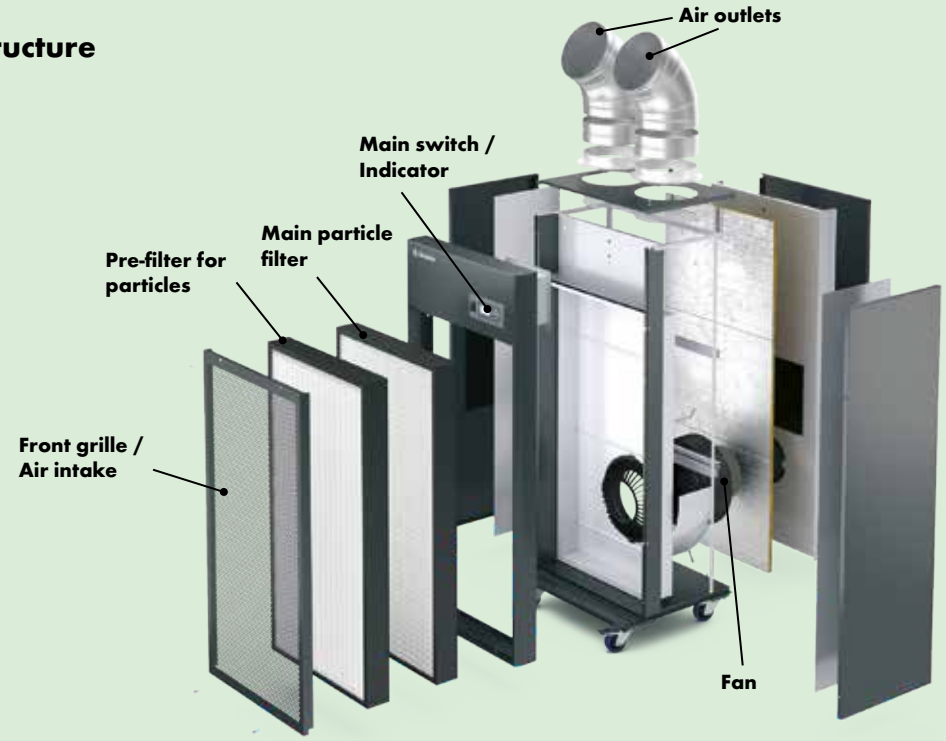
Reliable technology that guarantees consistently high efficiency
We set high standards to provide the best solutions for our customers. That's why all our air purifiers are developed with mechanical multi-stage filtration, which can be adapted to the environment and the customer's specific challenges–using particle and/or gas filters. To ensure our solution performs as promised, our products are certified by third-party organizations.

It is important to us that our solutions deliver a consistently stable airflow–not just at installation. Our products achieve this through automatic airflow volume control. We also avoid technologies that emit harmful particles, lose efficiency over time, or are difficult to measure. Therefore, we do not use ozone, ionization, or other techniques where these issues may arise.

Freestanding units – easy to install and use
QleanAir air purifiers are modular units that are easy to install and operate. They are completely self-contained, independent of the facility's structure or layout, and are powered via a standard electrical outlet.

Energy-efficient solutions to reduce energy costs
QleanAir air purifiers are highly energy-efficient. Tailored for production environments, our two most popular models have an average power consumption comparable to that of a household blender or coffee machine, depending on the airflow (325 W for an airflow of 3,000 m³/h).

Schematic structure



QleanAir **Air purifier *FS 70***

- Multi-stage mechanical filtration, certified to ISO 16890
- Generates large volumes of air, up to 4000 m^3/h
- Constant air flow, irrespective of filter saturation
- **Reduces the number of particles in the air and thus creates a cleaner, healthier environment**
- **Reduces the risk of particles contaminating products**
- Integrated filter alarm indicates when the filter requires changing
- Quiet running, < 30-63 dB(A)
- Sturdy wheels for ease of mobility
- **Works independently, separate from heating, ventilation and air conditioning**
- Optional: hoods, ventilation openings, ducts and outlets
- **Pricing:** ex works, including packaging

Air purifier FS 70 Go

Improves the room air quality in production facilities and logistics centres



- Versatile use, adaptable to the specific requirements of your equipment thanks to filter configuration and the available accessories
- **Improvement in room air in relation to dust, incineration particles, fibres and powdered materials**
- **Scope of delivery:** Air purifier FS 70 Go, fitted with F7 particle pre-filter 640 x 1200 x 90 mm and main particle filter 640 x 1200 x 96 mm

Model	Max. suction capacity m^3/h	Length x width x height mm	Weight kg	Sound-pressure level dB	Motor output W	Current at 50 Hz A	Nominal voltage V	art.no.	€
FS 70 Go	4000	580 x 692 x 1652	124	< 30 - 63	9 - 730	3.3	200 - 240, ~50-60 Hz	909710 0001	8.799,–

9154

Air purifier FS 70 Oil Mist

Specifically for environments with oil mist and smoke



- Separates oil mist and smoke from the air in production halls
- Metal mesh oil mist filter with drainage function in combination with multi-stage mechanical filtration
- **Scope of delivery:** Air purifier FS 70 Oil Mist, fitted with oil mist pre-filter 1200 x 600 x 16 mm, F7 particle pre-filter 640 x 1200 x 90 mm and main particle filter 640 x 1200 x 96 mm

Model	Max. suction capacity m^3/h	Length x width x height mm	Weight kg	Sound-pressure level dB	Motor output W	Current at 50 Hz A	Nominal voltage V	art.no.	€
FS 70 Oil Mist	4000	615 x 692 x 1652	136	< 30 - 63	9 - 730	3.3	200 - 240, ~50-60 Hz	909720 0001	9.539,–

9154

Air purifier FS 70 Heavy Duty

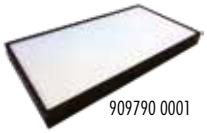
For requirements in heavy industry



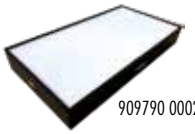
- Features a large dust collection capacity
- Uses high-performance mechanical filtration and a constant air flow to ensure efficient air purification over an extended period
- **Scope of delivery:** Air purifier FS 70 Heavy Duty, fitted with F7 particle pre-filter 640 x 1200 x 150 mm and main particle filter 640 x 1200 x 96 mm

Model	Max. suction capacity m^3/h	Length x width x height mm	Weight kg	Sound-pressure level dB	Motor output W	Current at 50 Hz A	Nominal voltage V	art.no.	€
FS 70 Heavy Duty	4000	630 x 692 x 1652	130	< 30 - 63	9 - 730	3.3	200 - 240, ~50-60 Hz	909730 0001	9.349,–

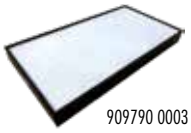
9154



909790 0001



909790 0002



909790 0003



909790 0006

Filter material, installation accessories

Designation	Suitable for	art.no.	€
Particle pre-filter F7 640 x 1200 x 90 mm	FS 70 Go, Oil Mist	909790 0001	255,–
Particle pre-filter F7 640 x 1200 x 150 mm	FS 70 Heavy Duty	909790 0002	430,–
Main particle filter F7 640 x 1200 x 96 mm	FS 70 Go, Heavy Duty & Oil Mist	909790 0003	320,–
Oil mist pre-filter 1200 x 600 x 16 mm	FS 70 Oil Mist	909790 0006	380,–
Wrap-around coupling NW 200 mm	FS 70 Go, Heavy Duty & Oil Mist	909790 0009	9,95
60° corrugated pipe bend NW 200 mm	FS 70 Go, Heavy Duty & Oil Mist	909790 0010	73,90

9154



909790 0009



909790 0010

SARA®

CLEAN INDOOR AIR



There are a large number of pollutants in the air that can lead to illness, poor concentration, allergic reactions and even serious disease. The compact SARA air purifier improves indoor air quality in a wide variety of areas:

Air purifiers in the workplace
Clean, fresh air is a necessity when it comes to optimising performance and efficiency in the workplace. Operating a laser printer in the office, for example, can produce a particle concentration in the indoor air as high as that caused by smoking. Scientists have found that the air pollution in an office building during working hours can be up to five times higher than that of the air outside next to a busy road.

Air purifiers in the catering industry
Fine dust particles and kitchen odours can result in very poor air quality in hotels and restaurants. Guests feel more comfortable in a fresh ambience with clean air, making them want to stay longer.

Air purifiers at home
Fungal spores, fine dust, germs, pollen and allergens reduce the air quality in our homes. Secure a sense of well-being for the whole family by ensuring the indoor air conditions in your home are optimal and meet air purity standards.

Air purifiers for allergies
The quality of life of asthmatics and allergy sufferers depends crucially on air purity. Airborne allergens such as pollen, mould spores, dog and cat dander, and dust mites can greatly affect the air quality for allergy sufferers.

SARA® Indoor air filter *UCS-OH²*

- Compact air purifier to improve indoor air quality
- Elimination of fungal spores, fine dust, pollen, allergens and odour particles (e.g. cigarette smoke)
- **Reduction of airborne viruses (e.g. SARS-CoV-2)**
- **Filter stages:** ePM1 85 % pre-filter, gas filter, HEPA® H13 high-performance particle and fine dust filter
- Separation efficiency of 99.95 % in accordance with EN1822-12009 for particles > 0.3 µm
- Air output adjustable in 10 steps
- Sustainable air purification concept thanks to the use of cleanable separators and filters with very long service lives.
- Stainless steel housing, powder-coated in RAL 9005 (deep black)
- **Application area:** Offices, conference rooms, lounges and break rooms, canteens, hotel rooms, schools, nurseries, supermarkets and much more.
- Designed, constructed and produced in Germany
- **Supplied with:** Air purifier, EUREVEN® F2011 pre-filter, gas filter, HEPA H13 high-performance particle filter
- **Pricing:** ex works, including packaging





Model	Min. suction capacity m³/h	Max. suction capacity m³/h	Length x width x height mm	Weight kg	Sound-pressure level dB	Output kW	Current at 50 Hz A	Nominal voltage V	art.no.	€
UCS-OH²	0	500	455 x 400 x 690	30	0 - 50	168	1.4	230	909160 0001	3.549,–

9154

FILTERMIST Installation accessories for filter systems



Pre-filter for liquids and rough particles

Designation	art.no.	€
Pre-filter 150 mm	902050 1150	525,–
Pre-filter 200 mm	902050 1200	525,–
Pre-filter 300 mm	902050 1300	525,–
Filter insert, fine, 150 / 200 mm, white	902051 1520	14,65
Filter insert, fine, 300 mm, white	902051 0300	27,30
Filter insert, coarse, 150/200 mm, black	902052 1520	14,60
Filter insert, coarse, 300 mm, black	902052 0300	27,–

9102



Suction hose

Designation	art.no.	€
Hose NW 75 mm, per metre	900150 0118	67,40
Hose NW 100 mm, per meter	902050 0001	71,60
Hose NW 150 mm, per meter	900150 0002	91,50
Hose NW 200 mm, per meter	900150 0001	116,–
Hose NW 300 mm, per meter	900150 0014	167,–

9102



Reducer

Designation	art.no.	€
Reducer: 100 mm to 75 mm	902055 1075	105,–
wReducer: 150 mm to 100 mm	902055 1510	142,50
Reducer: 200 mm to 100 mm	902055 2010	142,50
Reducer: 200 mm to 150 mm	902055 2015	142,50
Reducer: 300 mm to 200 mm	902050 0016	139,–

9102



Fish-mouth nozzle

Designation	art.no.	€
Fish-mouth nozzle 100 mm, suction opening 210 x 95 mm	902059 0100	175,–
Fish-mouth nozzle 150 mm, suction opening 130 x 90 mm	902059 0150	239,–
Fish-mouth nozzle 150 mm, suction opening 265 x 120 mm	902059 0151	175,–
Fish-mouth nozzle 200 mm, suction opening 315 x 130 mm	902059 0200	239,–
Fish-mouth nozzle 200 mm, suction opening 340 x 150 mm	902059 0201	269,–
Universal holder for fish-mouth nozzles	902059 0001	165,–

9102



Flange joint

Designation	art.no.	€
Flange joint 75 mm	902053 0075	100,–
Flange joint 100 mm	902053 0100	100,–
Flange joint 150 mm	902053 0150	100,–
Flange joint 300 mm	900150 0015	133,–
Flange joint 100 mm, 90° angled	900150 0018	219,–
Flange joint 150 mm, 90° angled	900150 0017	219,–
Flange joint 200 mm, 90° angled	900150 0016	219,–
	902053 0200	119,–

9102



Hose clamp

Designation	art.no.	€
Hose clamp 70-90 mm	900160 0001	7,40
Hose clamp 100-120 mm	900160 0002	8,10
Hose clamp 120-140 mm	900160 0003	8,60
Hose clamp 150-170 mm	900160 0004	9,95
Hose clamp 200-220 mm	900160 0005	12,10
Hose clamp 300-320 mm	900160 0006	16,10

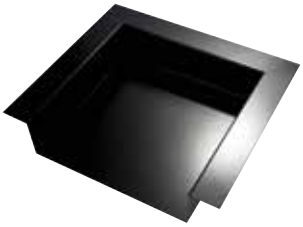
9102



Y-connector

Designation	art.no.	€
Y-connector 100 mm to 2 x 100 mm	902058 0100	375,–
Y-connector 150 mm to 2 x 100 mm	902058 0150	375,–
Y-connector 200 mm to 2 x 100 mm	902058 0200	415,–
Y-connector 200 mm to 2 x 150 mm	902058 0201	375,–
Y-connector 300 mm to 2 x 200 mm	902050 0008	599,–

9102



Splash guard for suction opening

Designation	art.no.	€
Splash guard for suction opening 200 x 200 mm	902050 0201	265,–
Splash guard for suction opening 250 x 250 mm	902050 0202	279,–
Splash guard for suction opening 300 x 300 mm	902050 0203	310,–

9102


Air flow regulator


T-piece with air flow regulator


T-piece with two air flow regulators


Stand for direct mounting


Ultra-Cleaner stands

Stand, extendible

Air flow regulator

Description	art.no.	€
Air flow regulator 100 mm	902057 0100	225,–
Air flow regulator 150 mm	902057 0150	239,–
Air flow regulator 200 mm	902057 0200	245,–
T-piece with air flow regulator 100 mm	902056 0100	350,–
T-piece with two air flow regulators 100 mm	902056 0102	520,–
T-piece with air flow regulator 150 mm	902056 0150	350,–
T-piece with two air flow regulators 150 mm	902056 0152	605,–
T-piece with air flow regulator 200 mm	902056 0200	415,–
T-piece with two air flow regulators 200 mm	902056 0202	605,–

9102



Gasket for inlet opening

Designation	suitable for	art.no.	€
Gasket 75 mm for inlet opening	S 200	902050 0062	39,90
Gasket 150 mm for inlet opening	S 400, S 800	902050 0063	39,90
Gasket 150 mm for inlet opening	FX4002	902050 0061	39,90
Gasket 200 mm for inlet opening	FX5002, FX6002, FX7002, Ultra-Eco compact	902050 0060	44,50

9102

Stands, wall bracket

Designation	suitable for	art.no.	€
Stands 2000 mm	Ultra-Cleaner filter systems	909005 0023	1.249,–
Stand, extendible 1525-2740 mm	S400, S800	902050 0028	1.289,–
Stand, extendible 1525-2740 mm	FX4002, FX5002	902050 0023	1.289,–
Stand, extendible 1525-2740 mm	FX6002, FX7002	902050 0031	1.289,–
Upper stand section with rod	S400, S800	902050 0046	499,–
Upper stand section with rod	FX4002, FX5002	902050 0034	659,–
Upper stand section with rod	FX6002, FX7002	902050 0047	669,–
Stand for mounting directly on the machine	FX4002, FX5002	902050 0025	879,–
Stand for mounting directly on the machine	FX6002, FX7002	902050 0039	1.159,–
Wall bracket	S200, S400, S800	902050 0032	360,–
Wall bracket	FX4002, FX5002	902050 0036	509,–
Wall bracket	FX6002, FX7002	902050 0040	509,–

9102


Return hose


Hose connector

Oil return

Designation	Suitable for	art.no.	€
Oil return hose, per metre	All filter systems	902050 0005	14,40
Connection for oil return hose	SARA filter systems	909005 0016	3,51
Siphon	SARA filter systems	909005 0002	290,–

9102

Suction hose *Flexi 75*

Precision extraction

- Flexible, pliable segment hose made of acetal copolymer
- Specially developed to extract chips, smoke, vapour, gas, lubricant mist and other media.
- **Outer diameter 75 mm**
- Individual hose segments can be joined to any desired length and combined with any nozzles and accessories.
- Can be accurately set-up with just one hand.




900170 0150


900170 0250


900170 0200


900170 0300


900170 1000

Individual components

Designation	art.no.	€
Square nozzle 150 x 90 mm	900170 0150	10,20
Adapter for metal pipe	900170 0200	8,05
Slider valve	900170 0250	26,80
300 mm segment hose	900170 0300	28,70
Two 300 mm segment hoses	900170 0600	53,40

9104

Sets

- Each set contains segment hoses, adapter for metal pipe, slider valve and square nozzle 150 x 90 mm

L mm	art.no.	€
1000	900170 1000	106,50
2200	900170 2000	197,–
3100	900170 3000	265,–

9104

SARA® Filter fleece

INFO



Save 30% on maintenance costs | No downtime | 2 years' protection with one roll | No opening the switch cabinets | Replace in just 5 seconds | Protect valuable installations for just 5 cents | Prevent the spread of harmful particles | Visual check: filter is replaced in good time

SARA® Filter fleece

- Filter fleece to protect electrical and electronic equipment for industrial manufacturing plants and electric motors against oil mist and dust.
- Heavily contaminated filters can reduce the airflow and cause the device to overheat.
- The inspection for replacing the filter fleece is visual. If the filter is covered in impurities, it must be replaced.

Up to 30 % savings in maintenance costs!



Filter fleece for switch cabinets

- Each roll contains 110 sheets
- Sheet length 200mm
- Magnetic holder
- **Suitable for machine tools, cooling systems, control cabinets, robots, CNC machines**



Width mm	art.no.	€
200	991001 2012	56,90
300	991001 3012	99,90
400	991001 4006	116,–
500	991001 5006	132,–
600	991001 6006	146,50

9112



Filter fleece for compressors

- Each roll contains 60 sheets
- Sheet length 200mm
- **Other lengths up to 1500mm available on request**
- Magnetic holder
- **Suitable for compressors, heat exchangers, air-conditioning units**



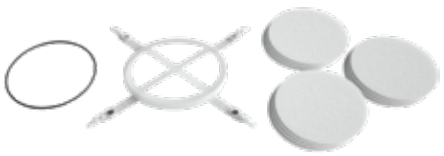
Width mm	art.no.	€
200	991003 2012	59,50
300	991003 3012	105,50
400	991003 4006	121,–
500	991003 5006	138,–
600	991003 6006	154,50

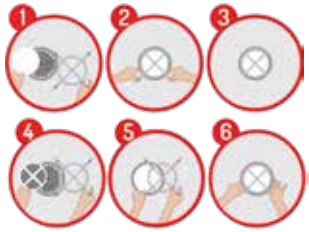
9112



Filter fleece for electric motors

- Suitable for electric motors
- **Supplied with:** 12 filter fleeces, 10 clamping rings, 1 plastic fastening system with magnet





D mm	art.no.	€
100	991005 1036	64,50
120	991005 1236	67,90
150	991005 1518	78,–
175	991005 1718	84,50
200	991005 2008	91,50
230	991005 2308	105,50
260	991005 2605	116,–
300	991005 3005	125,50

9112

Cleaning with ultrasonics

INFO

Ultrasonics
Tiny imploding vacuum bubbles have an intense yet gentle cleaning effect.

Temperature
In most cases, the cleaning effect is greatly enhanced by heat.



Chemistry
The right cleaning chemistry reduces surface tension and loosens and binds particles of dirt.

Time
The use of coordinated chemistry during ultrasonic cleaning significantly shortens the cleaning time.

The Sinner's Circle – the four influencing factors in the ultrasonic cleaning process

Classic fields of application
Surface technology, optics, laboratory, mechanical and plant engineering, watch and jewellery technology, medicine, dental, hygiene, medical engineering, aviation, electronics, automobile industry, textile industry, food processing industry and much more besides

Ultrasonic cleaning – one of the best procedures around today
Ecological, economical, intense and gentle at the same time.

Ultrasonics shorten the cleaning time

"Ultrasonics" is used to refer to vibrations above the range audible to the human ear (> 20 kHz). Vibrations of between 20 and 130 kHz are used for cleaning. Using vibrating elements attached to the tray shelf of a cleaning tray, underpressure and overpressure waves ripple through the liquid. From a particular vibration power



density, the liquid compound ruptures and tiny, nanometre-sized vacuum bubbles are created. These tiny bubbles implode near the surface of the cleaning agent and create a pressure jet directed at the surface. This process is known as cavitation. It ensures intense yet gentle removal of particles of dirt. This happens in all places covered with liquid – in the narrowest of joints and blind holes too. Parts and inner areas which are particularly complicated from a geometric



standpoint – including areas where spray jets or manual cleaning methods fall short – are thoroughly cleaned.

Ultrasonic cleaning equipment *Elmasonic EASY*

- 37 kHz ultrasonic frequency (control range -2.5 / +5.5 kHz)
- 2 ultrasonic modes for needs-based sound field distribution in the ultrasonic bath (dynamic mode / eco mode)
- Electronic selector switch on wipeable membrane keypad and LED display of all operating states
- Pre-set cleaning time: Cleaning time adjustable between 1 minute and 30 minutes or continuous operation (ultrasonic continuous operation max. 6 hours)
- Temperature control adjustable in steps of 5 °C from 30 - 80 °C for units with heating (temperature tolerance -5 / +8 °C)
- Automatic safety switch-off with wake-up function (after 8 hours of non-use)
- Automatic switch-off of ultrasonic operation at a bath temperature of > 90 °C
- Splash-proof housing and cleaning tray made of stainless steel
- Shut-off valve on the side for emptying the cleaning tray via the drain on the rear of the unit (from Elmasonic Easy 60H)
- **Supplied with:** cover and without basket







Basic unit without cover and without basket

Type	Dimensions W x D x H mm	Weight kg	Head output kW	Basket load kg	Basket interior dimensions mm	Basket meshes mm	Total power consumption W	Discharge diameter mm	Hand-les	Tray content l	art.no.	€
EASY 10/H	206 x 133 x 182	2.0	0/0.06	1	177 x 73 x 30	7x1	30	-	-	0.8	986011 1080	389,–
EASY 20/H	176 x 189 x 218	2.1	0/0.12	1	112 x 103 x 49	7x1	35	-	2	1.75	986011 0175	459,–
EASY 30/H	301 x 189 x 218	3.3	0/0.02	1	198 x 106 x 49	7x1	80	-	2	2.75	986011 0275	489,–
EASY 40/H	301 x 189 x 268	4.0	0/0.2	3	190 x 105 x 74	7x1	140	-	2	4.25	986011 1425	725,–
EASY 60/H	362 x 201 x 269	5.1	0/0.4	5	255 x 115 x 74	9x1	150	3/8	2	5.75	986011 1575	845,–
EASY 100/H	363 x 289 x 272	5.9	0/0.4	6	255 x 200 x 73	9x1	150	3/8	2	9.5	986011 1950	1.009,–
EASY 120/H	363 x 289 x 272	7.5	0/0.8	6	250 x 190 x 113	9x1	200	3/8	2	12.75	986011 1275	1.310,–
EASY 180/H	393 x 352 x 322	8.5	0/0.8	8	280 x 250 x 113	9x1	200	3/8	2	18	986011 1800	1.425,–
EASY 300/H	566 x 352 x 322	11.0	0/1.2	10	455 x 250 x 112	9x1	300	3/8	2	28	986011 2800	1.790,–

9154

Ultrasonic cleaning equipment *Elmasonic Select*

- **Splash-proof housing and cleaning tray made of stainless steel**
- Eleven different sizes with tray capacity 3 to 90 litres
- Noise-insulating plastic lid which also functions as a drip tray for basket and parts
- 37 kHz ultrasonic frequency (control range -2.5/+5.5 kHz)
- Five ultrasonic modes for needs-based sound field distribution in the ultrasonic bath
- **Four memory slots for individual cleaning programmes**
- Digital control unit with easy-to-read display for indication of operating states
- Electronic temperature control adjustable in steps of 5 °C from 25-80 °C (switchable to °F, temperature tolerance -5/+8 °C)
- Optical and acoustic feedback signals, e.g. when cleaning is finished or the limit temperature is reached
- Dry-running protection (not with Elmasonic Select 500 / 900)
- Automatic safety shut-off after 8 hours
- **Contents:** with cover and without basket
- **Pricing:** ex works, including packaging





Basic unit without cover and without basket

Type	Width x height x depth mm	Weight kg	Head output kW	Max. tray contents	Tray width (inner)	Tray height (inner)	Tray depth (inner)	Output kW	Outlet connection	art.no.	€
Select 30	305 x 230 x 170	3.6	0.2	2.7	220	95	120	0.32	12	986016 0030	690,–
Select 40	305 x 170 x 280	3.8	0.2	3.9	220	95	120	0.32	12	986016 0040	1.030,–
Select 60	370 x 210 x 275	5.2	0.4	5.9	275	145	125	0.55	12	986016 0060	1.220,–
Select 80	570 x 195 x 280	6.9	0.6	9.3	475	145	110	0.75	12	986016 0080	1.415,–
Select 100	380 x 300 x 280	6.2	0.4	9.5	280	145	220	0.55	12	986016 0100	1.445,–
Select 120	380 x 300 x 330	7.7	0.8	12.9	300	195	215	1.0	12	986016 0120	1.860,–
Select 150	575 x 360 x 230	8.8	0.8	14.6	485	95	280	1.1	12	986016 0150	1.965,–
Select 180	405 x 360 x 330	10.2	0.8	17.8	300	195	370	1.0	12	986016 0180	2.035,–
Select 300	575 x 360 x 330	12.2	1.2	27.5	475	195	270	1.5	12	986016 0300	2.530,–
Select 500	775 x 425 x 505	30.4	1.6	49.7	500	290	330	2.14	19	986016 0500	3.349,–
Select 900	875 x 595 x 505	43.4	2.0	89.0	600	285	500	2.96	19	986016 0900	5.129,–

9154

Ultrasonic cleaning agent *tec clean*

- Highly efficient concentrates for preparation with water
- Application dose 1 - 10 % depending on cleaning agent



Designation	Contents	art.no.	€
tec clean A3	2.5	986010 0325	34,60
tec clean A3	10	986010 0310	100,–
tec clean A4	2.5	986010 0425	36,60
tec clean A4	10	986010 0410	102,–
tec clean S1	2.5	986010 0125	35,60
tec clean S1	10	986010 0110	102,–
tec clean S2	2.5	986010 0225	58,–
tec clean S2	10	986010 0210	173,–

9154



	Main contaminant	Haupt-Main surfaces	Properties	pH value	Amount
tec clean A3 Iron & high-grade steel cleaner	cutting oils, drawing grease, soot, cinders Check grinding, polishes, not for aluminium or light metals!	high-grade steel, steel and other iron-based materials, titanium and precious metals, cast iron, non-ferrous metal, brass, glass and quartz! alkaline	liquid, emulsifying contains silicates and phosphates,	12.0	3 - 6 %
tec clean A4 All-purpose cleaner	Oils, grease, soot, coking cinders, dust, fingerprints	high-grade steel, steel, iron, cast iron, aluminium and light metals nickel, zinc, plastic, ceramic, glass, quartz, rubber	liquid, usually de-emulsifying contains silicates and phosphates, alkaline	13.4	1 - 5 %
tec clean A5 power cleaner for iron and light metals	scaled and resinified oils and greases grinding and polishing agent, paint residues, wax	high-grade steel, steel, iron, cast iron, aluminium and light metals nickel, high-grade steel, steel, zinc	powdered, emulsifying contains silicates and phosphates, alkaline	11.5	1 - 4 %
tec clean S1 weakly acidic cleaning agent	rust, limescale, oxidation layers (e.g. copper rust), greases, oils	non-ferrous metal, high-grade steel, aluminium and light metals, brass remove steel, plastic, glass, steel immediately after rust removal from bath and rinse with anti-corrosive agent!	liquid, emulsifying acidic	1.6	1 - 5 %
tec clean S2 highly acidic cleaning agent	mineral contaminants such as limescale, rust and other oxides, strippable coverings	high-grade steel, steel, iron, cast iron, carbide, brass, nickel, non-ferrous and high-grade metals, remove steel, iron, cast iron immediately after rust removal and rinse with anti-corrosive agent!	liquid, emulsifying acidic	< 1.0	1 - 10 %

Elma Accessories for ultrasonic cleaning equipment



Cover

suitable for	art.no.	€
Type EASY 10/H, S 10/H	986013 1080	15,30
Type EASY 20/H	986013 0175	21,40
Type EASY 30/H, Select 30	986013 0275	24,40
Type EASY 40/H, Select 40	986013 1425	24,40
Type EASY 60/H, Select 60	986013 1575	29,50
Type Select 80	986013 0080	38,70
Type EASY 100/H, Select 100	986013 1950	38,70
Type EASY 120/H, Select 120	986013 1275	38,70
Type EASY 180/H, Select 180	986013 1800	40,70
Type EASY 300/H, Select 150 / 300	986013 2800	47,80
Type Select 900	986013 9000	163,–

9154



Basket inserts

suitable for	art.no.	€
EASY 10/H	986014 0010	46,80
EASY 20/H	986014 0020	49,80
EASY 30/H, Select 30	986014 0275	51,90
EASY 40/H, Select 40	986014 0040	61,–
EASY 60/H, Select 60	986014 0060	73,20
Select 80	986014 0800	137,50
EASY 100/H, Select 100	986014 0100	157,50
EASY 120/H, Select 120	986014 0120	157,50
Select 150	986014 1500	203,–
EASY 180/H, Select 180	986014 0180	183,–
EASY 300/H, Select 300	986014 0300	203,–
Select 500	986014 0500	320,–

9154

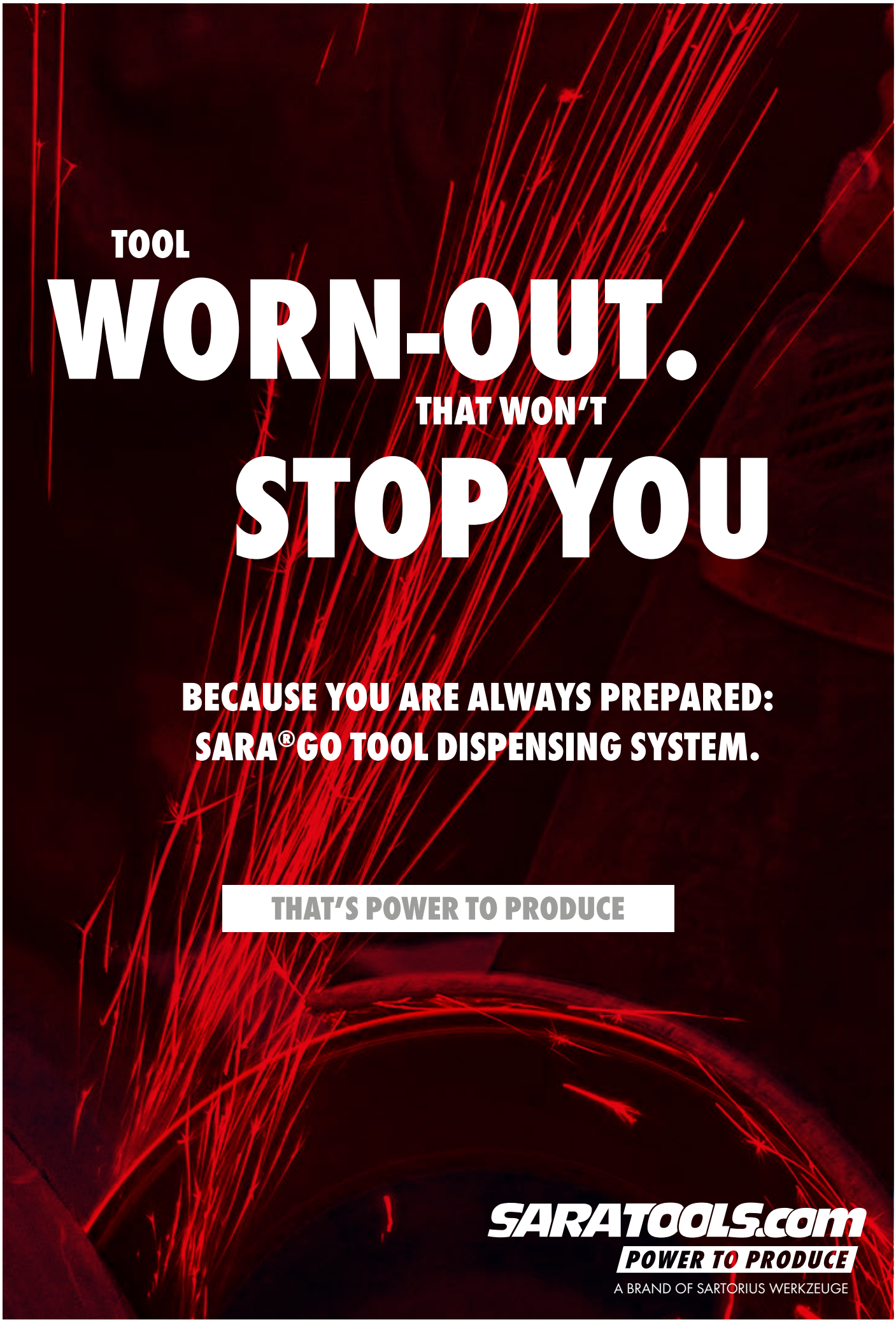
SARA® Venturi cleaner table

- **Mobile cleaning table for parts and machinery**
- The pneumatic blow gun is continuously supplied with compressed air independently of the foot pedal so that the gun can also be used to clean the machine cabin.
- **Filterless operation, completely maintenance-free**
- **Stainless steel housing** with integrated transport castors
- Equipped with patented X-Cyclone® filter element to prevent aerosol discharge
- Quick connection to the existing pneumatic system
- Negative pressure nozzle for extracting solid particles and liquid mists
- Developed, designed and manufactured in conformity with the relevant EU directives
- Also available with integrated washing table on request
- **Supplied with:** Supplied ready for connection to quick-action pneumatic couplings, including pneumatic blow gun, Y connector, safety screen and operating manual
- **Pricing:** ex works, including packaging



Width x height x depth mm	Compressed air connection bar	Weight kg	Sound-pressure level dB	Working height mm	art.no.	€
300 x 1300 x 300	5 - 10	26	64 - 70	900	908500 0300	2.469,–
400 x 1300 x 500	5 - 10	40	64 - 70	900	908500 0400	2.969,–
500 x 1300 x 500	5 - 10	45	64 - 70	900	908500 0500	3.029,–
1000 x 1300 x 500	5 - 10	82	64 - 70	900	908500 1000	5.349,–

9111


TOOL
WORN-OUT.
THAT WON'T
STOP YOU
BECAUSE YOU ARE ALWAYS PREPARED:
SARA® GO TOOL DISPENSING SYSTEM.
THAT'S POWER TO PRODUCE
SARATOOLS.com
POWER TO PRODUCE
A BRAND OF SARTORIUS WERKZEUGE

SARA® Bio-industrial cleaner *Oil Free*

- **Bio-industrial cleaners provide support in the areas of occupational safety and employee protection and help to reduce operating costs in the medium term**
- Sustainable ingredients
- Reduced solvents
- For different materials and soiling

Bio-industrial cleaner *Oil Free*

- **Effortlessly removes burnt-in dirt, special greases, oils, soot, rubber residues, bitumen, waxes and pastes**
- Soiling is easily loosened and quickly removed from the surface with the help of **the latest surfactant technology**
- Water-based, low-foaming cleaner which is based on renewable raw materials
- Dirt is powerfully dissolved **without** damaging the surfaces.
- **Quick-drying, with reduced residue and streaking compared to common solvents**
- For stainless steel, steel and non-ferrous metals
- Long service life, recyclable, demulsifying
- **Free from volatile organic compounds (VOC), non-hazardous**
- **Perfect for mechanical use in ultrasonic baths, automatic washing machines, immersion baths, high-pressure cleaners and parts cleaners**



VOC frei!

Container capacity l	Designation	art.no.	€
0.5	Spray bottle	923003 0005	13,95
6 x 0.5	Spray bottle	923003 0605	81,90
20.0	Canister	923003 0020	355,–

9128

Bio-industrial cleaner *Oil Free Final Clean*

- **Degreaser and final cleaner for fast daily removal of machining oils, anti-corrosion oils, light waxes, emulsions, adhesive residues and other contaminants from tools, components, machines and semi-finished products**
- Meets the highest cleanliness requirements especially before quality control, painting, coating and gluing.
- Quick-drying, virtually no residue or streaking
- **Reduces solvent consumption compared to conventional solvents such as acetone**
- Highest yield with consistently strong action
- Temporary corrosion protection
- **Reduced volatile organic compounds (VOC), non-hazardous, phosphate-free**



VOC reduziert!

Container capacity l	Designation	art.no.	€
0.5	Spray bottle	923004 0005	13,95
6 x 0.5	Spray bottle	923004 0605	81,90
20.0	Canister	923004 0020	355,–

9128

Over 200,000 tools available online!

Advantages:
- convenient, clear and fast
- order by 19:30 for next-day delivery
- order measuring instruments including calibration
- available in real time
- in 8 languages



Register online now!

www.saratools.com

The SARA® cutting fluids product range is the latest generation of high-performance cutting fluids. These have been developed for high demands on product quality and manufacturing reliability in the machining process.
Thanks to the latest technologies, the cutting fluids offer a long service life, high lubricating and cooling performance, and low consumption. In addition, they are particularly user-friendly thanks to their environmentally friendly ingredients.



Advantages
- Very good lubricating and cooling performance
- Low consumption and low odour
- For a long machine service life
- Low foaming in soft water or under high mechanical load
- Biostable against microorganisms
- High user-friendliness thanks to environmentally friendly ingredients (formaldehyde-free)

Product overview/selection guide

	Ingredients				Materials										Machining				
	Contains boron	Contains amines	Contains form aldehyde	Mineral oil content in %	Steel	Stainless steel	Cast iron	Titanium alloys	Super alloys Fe/NiCo-based	Aluminium	Non-ferrous metals	Non-ferrous metals	Carbide metals	Plastics	Drilling, milling, turning	Threads	Deep-hole drilling	Grinding	Punching
Water-miscible cutting fluids																			
UNI SC 150				20	●		●			○					●	○		●	
UNI SC 101	●	●		30	●	○	●			○	○			○	●	●	○	○	
HEAVY SC 201				55	●	●	○	●	●	●	●	●		○	●	●	●	○	
HPC SC 302	●	●		30	●	●	●	●	●	●	●	●		○	●	●	○	○	
HI-GRIND SC 401		●		0	●	○	●			○	○			○				●	
E10				0	●	●	●	●		○		○			●	●	○		
E20				0	●	●	●	●		●		○			●	●	○		
E25				0	●	●	●	●	●	●		●			●	●	●		
Cutting oils																			
UNI SC C0101				80	●	○	●			●	●	●		○	●	●	●	○	●
HEAVY SC C0201				0	●	●	●	●	●	●	●	●		○	●	●	●	○	●
UNI VISC SC C0301				91	●	○	○			●	○		○	○	●	●	●	○	●

● very well suited ○ well suited

Other lubricants available on request:

- **Cutting fluid additives**
- **Hydraulic oils**
- **Track oils**
- **Industrial oils**
- **Corrosion protection**
- **Greases**
- **Industrial cleaners**

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SARA® Cutting wax pen

- **Universal high-performance mineral oil-based cutting wax pen**
- Excellent lubricating properties ensure optimum machining results while also increasing tool service life.
- Ideal for easy and targeted application on the tool cutting edge
- Can be used for sawing with circular saw blades, band saws and thread cutting
- Economical to use, very good adhesive properties
- **Chlorine, silicone and solvent-free**



Designation	Container capacity l	art.no.	€
Lubrication pin	400	946001 0400	14,95

9156

SARA® Thread-cutting paste

Soft thread-cutting paste

- **Universal high-performance water/soap-based thread cutting paste**
- Semi-pasty grease
- Latest generation multi-purpose cutting paste
- For universal applications, also for difficult-to-machine materials such as stainless and heat-resistant steels, titanium, manganese, cast steel, chrome-nickel, etc.
- Ideally suited to thread cutting, centring, broaching and milling
- Medium is applied directly from the squeeze bottle onto the metal surface in need of treatment.
- Light blue colour, odourless
- Flash point > 225°C, melting point 32°C
- **Free of petroleum, chlorine and sulphur**
- **Not a hazardous substance**





946002 0250

Container	Container capacity l	art.no.	€
Sputtering bottle	0.1	946002 0100	8,95
Sputtering bottle	0.25	946002 0250	16,90
Sputtering bottle	0.5	946002 0500	31,–
Sputtering bottle	1.0	946002 1000	46,10
Canister	5.0	946002 0005	192,–

9156

Firm thread-cutting paste

- **Universal high-performance thread cutting paste**
- Excellent lubricating properties ensure optimum machining results while also increasing tool service life
- For thread cutting, milling, reaming, etc.
- Ideal for easy and targeted dipping of cutting tools
- Especially for machining difficult-to-machine materials such as stainless and heat-resistant steels, titanium, manganese, cast steel, chrome-nickel, etc.
- Economical to use, very good adhesive properties
- **Chlorine-free**
- **Not a hazardous substance**



Container	Container capacity l	art.no.	€
Can	120	946003 0100	12,40
Can	750	946003 0250	33,30

9156



SARA® Cutting oil

- **Non-water-soluble heavy-duty cutting oil**



UNI SC CO 101

- **Mineral oil-based**
- Universal application for all materials such as alloyed and unalloyed steels, cast iron, non-ferrous metals and aluminium
- Applied with a squeeze bottle, sprayer or lubricating device
- Massive increase in tool endurance
- **Chlorine-free**

Container	Container capacity l	art.no.	€
Sputtering bottle	0.25	944001 0250	11,80
Spray can	0.4	944001 0300	14,60
Sputtering bottle	0.5	944001 0500	17,10
Sputtering bottle	1.0	944001 1000	32,80
Canister	5.0	944001 0005	124,50
Canister	10.0	944001 0010	213,–
Canister	25.0	944001 0025	440,–

9156

HEAVY SC CO201

- **Ester-based**
- Especially for machining chrome-nickel, titanium, manganese, copper and its alloys, high-alloy and stainless steels.
- **Chlorine and mineral oil-free**

Container	Container capacity l	art.no.	€
Sputtering bottle	0.25	944002 0250	14,80
Spray can	0.4	944002 0300	15,80
Sputtering bottle	0.5	944002 0500	27,–
Sputtering bottle	1.0	944002 1000	49,10
Canister	5.0	944002 0005	193,50
Canister	10.0	944002 0010	337,–
Canister	25.0	944002 0025	689,–

9156

MQL minimum volume lubrication suitable

UNI VISC SC CO301

- **Viscous**
- **Mineral oil-based**
- Universal for all materials
- Very good adhesive properties
- The cutting oil can be applied to the workpiece and tool by dipping, spraying, by roller or by hand.
- High lubricating performance
- Remaining oil film serves as corrosion protection
- **Chlorine-free**

Container	Container capacity l	art.no.	€
Sputtering bottle	0.25	944004 0250	14,80
Spray can	0.4	944004 0300	15,80
Sputtering bottle	0.5	944004 0500	27,–
Sputtering bottle	1.0	944004 1000	49,10
Canister	5.0	944004 0005	195,–
Canister	10.0	944004 0010	337,–
Canister	25.0	944004 0025	689,–

9156

Ideal for thread cutting

High-performance cutting oil foam

- **High-performance cutting oil foam**
- For targeted application to the machining area
- Low consumption, fine dosing
- Very good cooling performance
- Highly adhesive
- Water washable
- **Sulphur and mineral oil-free**

Container	Container capacity l	art.no.	€
Spray can	0.4	944003 0400	17,95

9156

If you want to change your cutting fluid, scan the QR code and create your requirement profile.

SARA® High-performance lubricating coolant concentrate

- **Water-miscible**



Water-miscible



UNI SC150

- **Semi-synthetic,** for light to medium machining
- High stability in hard and soft water
- For high-pressure applications
- Good run-off behaviour
- **Boron and formaldehyde-free**
- Use concentration 5 - 10 %
- pH value at 5 % approx. 9.5
- Refractometer value 1.8

Container	Container capacity l	art.no.	€
Canister	5.0	943007 0005	34,80
Canister	10.0	943007 0010	69,–
Canister	25.0	943007 0025	169,–
Canister	60.0	943007 0060	400,–
Barrel	200.0	943007 0200	1.299,–

9154

High long-term stability and good corrosion protection

UNI SC101

- With high additivation
- Universal for all materials
- Suitable for internal coolant supply and high pressure
- **Chlorine and formaldehyde-free**
- Application concentration 5 - 9 %
- pH value at 5 % approx. 9.2
- Refractometer reading 1.6

Container	Container capacity l	art.no.	€
Canister	5.0	943001 0005	85,10
Canister	10.0	943001 0010	158,–
Canister	25.0	943001 0025	270,–
Canister	60.0	943001 0060	649,–
Barrel	200.0	943001 0200	1.969,–

9156

Particularly suitable for NC and CNC centres

HEAVY SC201

- Especially suited for difficult-to-machine and high-strength materials, difficult aluminium alloys and non-ferrous metals
- **Chlorine, boric acid and formaldehyde free**
- Application concentration 5 - 9 %
- pH value at 5 % approx. 9.2
- Refractometer reading 1.0

Container	Container capacity l	art.no.	€
Canister	5.0	943002 0005	112,–
Canister	10.0	943002 0010	203,–
Canister	25.0	943002 0025	349,–
Canister	60.0	943002 0060	799,–
Barrel	200.0	943002 0200	2.609,–

9156

Specialist for the processing of aluminium

HPC SC302

- **High-performance all-rounder ideal for mixed used**
- Especially suited for high-performance machining (HPC)
- Versatile application for aluminium, steel and stainless steel
- Suitable for internal coolant supply and high pressure
- **Formaldehyde-free**
- Application concentration 5 - 9 %
- pH value at 5 % approx. 9.0
- Refractometer value 1.2

Container	Container capacity l	art.no.	€
Canister	5.0	943005 0005	112,–
Canister	10.0	943005 0010	209,–
Canister	25.0	943005 0025	349,–
Canister	60.0	943005 0060	839,–
Barrel	200.0	943005 0200	2.569,–

9156

If you want to change your cutting fluid, scan the QR code and create your requirement profile.

HI-GRIND SC402

- **Fully synthetic**,
- very good corrosion protection,
- high stability in hard and soft water,
- Low redosing,
- **Formaldehyde- and boric acid-free,**
- Application concentration: 3 - 6 %
- pH value at 5 %, approx. 9.5,
- refractometer value: 1.7

especially for grinding a wide variety of materials

Container	Container capacity l	art.no.	€
Canister	5.0	943006 0005	95,30
Canister	10.0	943006 0010	177,–
Canister	25.0	943006 0025	304,–
Canister	60.0	943006 0060	699,–
Barrel	200.0	943006 0200	2.199,–

9156

SARA® High-performance cooling lubricant concentrate, mineral oil-free

- **Water miscible**

E10

- Mineral oil-free, translucent, semi-synthetic high-performance cooling lubricant
- High cutting performance due to EP additives
- High stability in hard and soft water
- Solid run-off behaviour
- **Boron and formaldehyde-free**
- Keeps the machines clean and leaves a thin film that reduces cleaning and maintenance.
- Application concentration 5 - 10 %
- pH value at 5 % approx. 9.2
- Refractometer value 2.5

Entry-level all-rounder

Container	Container capacity l	art.no.	€
Canister	5.0	941101 0005	49,90
Canister	10.0	941101 0010	99,–
Canister	25.0	941101 0025	240,–
Canister	60.0	941101 0060	569,–
Barrel	200.0	941101 0200	1.869,–

9156

E20

- Mineral oil-free, translucent, semi-synthetic high-performance cooling lubricant
- for high-pressure applications
- High cutting performance due to EP additives
- High stability in hard and soft water
- Solid run-off behaviour
- **Boron and formaldehyde-free**
- Keeps the machines clean and leaves a thin film that reduces cleaning and maintenance.
- Application concentration 5 - 10 %
- pH value at 5 % approx. 9.7
- Refractometer value 1.8

Container	Container capacity l	art.no.	€
Canister	5.0	941102 0005	61,–
Canister	10.0	941102 0010	119,–
Canister	25.0	941102 0025	292,–
Canister	60.0	941102 0060	689,–
Barrel	200.0	941102 0200	2.279,–

9156

E25

- Mineral oil-free, translucent, semi-synthetic high-performance cooling lubricant
- High cutting performance due to EP additives
- High stability in hard and soft water
- Solid run-off behaviour
- Non-ferrous metal inhibited - for all copper-based alloys
- **Boron and formaldehyde-free**
- Keeps the machines clean and leaves a thin film that reduces cleaning and maintenance.
- Application concentration 5 - 10 %
- pH value at 5 % approx. 9.7
- Refractometer value 1.8

Especially for difficult-to-machine and high-strength materials, difficult aluminium alloys and non-ferrous metals

Container	Container capacity l	art.no.	€
Canister	5.0	941103 0005	69,50
Canister	10.0	941103 0010	135,–
	25.0	941103 0025	330,–
Canister	60.0	941103 0060	789,–
Barrel	200.0	941103 0200	2.599,–

9156

SARA® System cleaner

- **High-performance cleaning agent with corrosion protection**
- For quick and careful removal of contamination caused by microorganism infestation on machine tools and in coolant tanks and lines



Water-miscible



Container	Container capacity l	art.no.	€
Canister	10.0	945001 0010	169,–

9156

SARA® Glass and window cleaner *HI-CLEAN Performance*

- **For internal and external cleaning of viewing panels on machine tools and machining centres**
- Removes hardened cutting fluid
- Cleaning without foaming when in contact with cutting fluids.
- Contains no corrosion inhibitors, 100 % surfactant-free
- Fast and residue-free drying
- **Non-hazardous**







Container	Container capacity l	art.no.	€
Pump spray bottle	0.5	945002 0500	11,95
Pump spray bottle	1.0	945002 1000	21,90
Canister	5.0	945002 0005	99,–
Canister	10.0	945002 0010	159,–

9156

Over 200,000 tools available online!
Register online now!



www.saratools.com

KÜMI coolant supply system

- Adjustable coolant hose, comprising individual plastic elements
- For use on all machine tools
- Replacement for conventional systems, plastic elements can be flexibly adjusted which allows coolant to reach any desired position
- Non-conducting and resistant to most chemicals and solvents
- Also suitable for blowing out workpieces, clamping equipment and machine tables
- Complete systems with magnetic anchoring bases and individual elements allow for a large number of possible combinations
- Operating pressure max. 6 bar
- **Operating pressure up to max. 60 bar is possible by attaching band clamps 7630104001 or 7630204001**
- Compatible with the following systems: FLEXOLINE, OSSMANN, LOC-LINE, HYDRA, SNAPLOC, LUBE-COOL, VARIO, MAXIFLEXI
- Systems benefit from closer-fitting modules. This improves their ability to withstand higher pressures and ensures that the fluid stream remains directionally stable.





1/4" sets

Contents	art.no.	€
Articulated hose (16 modules), round nozzle ID 6.4 mm, threaded connector 1/4 inch, metal ball valve IT-ET 1/4 inch, round magnetic foot 2 IT 90°, threaded nozzle 1/4 inch for 13 mm fabric hose	763010 0000	79,–
Articulated hose (2 x 13 modules), 2 flat nozzles, 24 mm Y-distributor, threaded connector 1/4 inch, metal ball valve IT-ET 1/4 inch, round magnetic foot 2 IT 90°, threaded nozzle 1/4 inch for 13 mm fabric hose	763010 1000	129,–
Articulated hose set 1/4 inch, articulated hose (2 x 10 modules), 3 round nozzles ID 1.6 / 3.2 / 6.4 mm, 2 threaded connectors 1/4 inch + 1/8 inch NPT	763010 0001	14,95
Articulated hose (2 x 10 modules), approx. 31 cm long	763010 0002	12,50
	7147	


763010 0000


763010 1000


763010 0001


763010 0002

1/4" nozzles

Contents	art.no.	€
4 round nozzles, ID = 1.6 mm	763010 1001	10,30
4 round nozzles, ID = 3.2 mm	763010 1002	10,30
4 round nozzles, ID = 6.4 mm	763010 1003	10,30
2 flat nozzles, 24 mm wide	763010 1021	10,30
2 flat nozzles, 30 mm wide	763010 1022	17,40
	7147	


763010 1001


763010 1002


763010 1003


763010 1021

1/4" other accessories

Contents	art.no.	€
4 threaded connectors, 1/8 inch NPT	763010 1011	10,30
4 threaded connectors, 1/4 inch NPT	763010 1012	10,30
2 Y-distributors	763010 1031	10,60
2 elbow connectors, 90°	763010 1051	10,60
2 T-distributors	763010 1061	12,40
2 shut-off valves, for articulated hose	763010 1071	20,40
2 shut-off valves for 1/4 inch articulated hose	763010 1081	20,40
2 shut-off valves, external thread 1/4 inch NPT	763010 1091	20,40
1 triple holder for 1/4 T-distributor"	763010 2003	15,95
1 magnetic foot with ball valve (internal thread 1/4 inch) and threaded nozzle for 13 mm fabric hose	763010 2004	42,90
1 monoblock distributor 4 outlets 1/4 inch and IT 3/8 inch	763010 2005	63,50
2 band clamps 1/4 inch for retroactive fixing up to 60 bar	763010 4001	6,75
	7147	


763010 1011


763010 1031


763010 1061


763010 1071


763010 1081


763010 1091


763010 2003


763010 2004


763010 2005

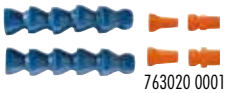
1/4" assembly pliers

Contents	art.no.	€
1 assembly pliers for attaching and releasing joint components 1/4	763010 3014	36,30
	7147	



1/2" sets

Contents	art.no.	€
Articulated hose (2 x 5 modules), 2 round nozzles ID 9.5 / 12.7 mm, 2 threaded connectors 3/8 inch+1/2 inch NPT	763020 0001	22,30
Articulated hose (2 x 5 modules) approx. 29 cm long	763020 0002	16,50
	7147	

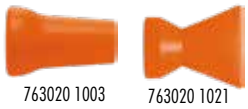

763020 0001


763020 0002

1/2" nozzles

Contents	art.no.	€
4 round nozzles, ID = 6.4 mm	763020 1001	13,20
4 round nozzles, ID = 9.5 mm	763020 1002	13,20
4 round nozzles, ID = 12.7 mm	763020 1003	13,20
2 flat nozzles, 32 mm wide	763020 1021	13,20
2 flat nozzles, 50 mm wide	763020 1022	21,80
	7147	


763020 1001 763020 1002


763020 1003 763020 1021

1/2" other accessories

Contents	art.no.	€
4 threaded connectors, 1/2 inch NPT	763020 1011	13,20
4 threaded connectors, 3/8 inch NPT	763020 1012	13,20
2 Y-distributors	763020 1031	13,20
2 reducers, 1/2 inch to 1/4 inch	763020 1041	13,20
2 Y-reducers, 1/2 inch to 2x 1/4 inch	763020 1042	13,20
2 elbow connectors, 90°	763020 1051	13,20
2 T-distributors	763020 1061	15,75
2 shut-off valves, internal thread 1/2 inch	763020 1071	31,–
2 shut-off valves for 1/2 inch articulated hose	763020 1081	31,–
2 shut-off valves, external thread 1/2 inch NPT	763020 1091	31,–
1 triple holder for 1/2 T-distributor"	763020 2003	13,20
1 monoblock distributor 4 outlets 1/2 inch and IT 3/8 inch	763020 2005	119,–
2 band clamps 1/2 inch for retroactive fixing up to 60 bar	763020 4001	7,95
	7147	


763020 1011 763020 1031 763020 1041


763020 1042 763020 1051 763020 1061


763020 1071 763020 1081 763020 1091


763020 2003 763020 2005 763020 4001

1/2" assembly pliers

Contents	art.no.	€
1 pair of assembly pliers for attaching and releasing 1/2 articulated pieces"	763020 3012	36,30
	7147	



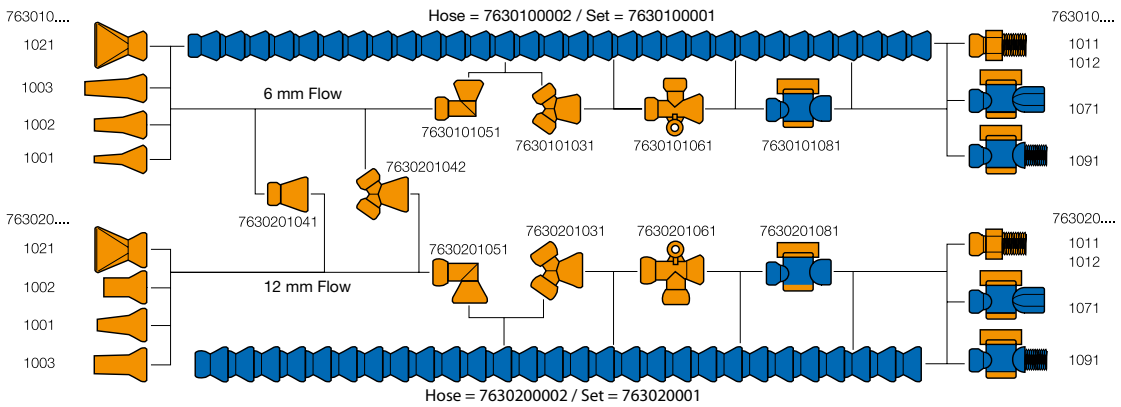
Sets

- 18-pcs.
- 1/4" or 1/2"
- Case with foam inlay

Contents	art.no.	€
6 hose modules; 1 pair of assembly pliers; 1 Y-distributor; 1 shut-off valve; 3 flat nozzles: 16-hole / 32 mm / 27 mm, 3 round nozzles: Ø 1.6 / 3.2 / 6.4 mm; 2 threaded connectors, 1/4" and 1/8"; 1 non-return valve, 1/4	763025 1814	135,–
6 hose modules; 1 pair of assembly pliers; 1 Y-distributor; 1 shut-off valve; 3 flat nozzles: 8-hole / 50 mm / 35 mm, 3 round nozzles: Ø 6.4 / 9.5 / 12.7 mm; 2 threaded connectors, 3/8" and 1/2"; 1 non-return valve, 1/2	763025 1812	149,–
	7147	


763025 1812

763025 1814



SARA® Coolant high-pressure nozzles

- Compact high-pressure nozzles for up to 90 bar coolant pressure
- Nozzles can be installed in each assembly, saving space
- Nozzle setting angle of 60° to 110°
- Nozzle can be rotated 360°
- Casing made of high-quality plastic granulate
- Additional versions available on request





1/4“

D mm	L mm	art.no.	€
2	1.0	764002 3005	36,90
2	6.0	764002 3006	36,90
2	12.5	764002 3007	36,90
2	31.0	764002 3008	36,90

1/8“ 7160

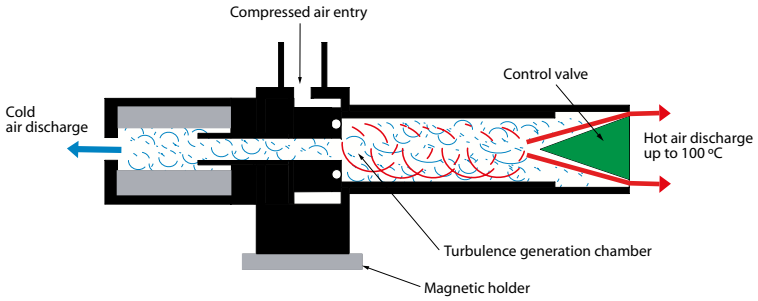
D mm	L mm	art.no.	€
2	1.0	764002 3001	35,50
2	6.0	764002 3002	35,50
2	12.5	764002 3003	35,50
2	31.0	764002 3004	35,50

7160

SARA® Pneumatic cold air nozzle

- Localised cooling for machine tools
- Dual function: both hot and cold air
- Ideal for use when no lubricating or coolant fluids are desired
- Simple compressed air connection (3 - 8 bar)
- **Operates based on the principle of a vortex tube in which two counter-rotating air flows are created**
- Cold air outlet in the blue component (down to -48 °C)
- Hot air outlet in the red component (up to 100 °C)
- Air consumption at 7 - 8 bar approx. 270 l/min
- Supplied with magnetic base, spherical valve, connection for 3/8 inch quick-action pneumatic coupling, silencer, 1/2 inch articulated hose with round nozzle









Hose connection diameter in	Compressed air connection in	art.no.	€
1/2	3/8	763030 0001	509,–

7123

Multi-purpose pump



- Handy pump for diesel, heating oil, hydraulic oil and motor oil
- For 200 l barrels
- 1 m plastic hose with outlet nozzle
- Intake pipe
- Flow rate 0.4 l/stroke

Designation	art.no.	€
Multi-purpose pump (lever-operated cylinder pump), 0.4 l/stroke	742004 0001	163,50
	7125	

ARIANA Filling level display



- For commercially available 60 and 210 l containers
- For non-corrosive fluids such as cutting fluid concentrates, emulsions, oils, antifreeze, heating oil etc. as well as liquid media
- Permanent volume display
- Fitted on 3/4 inch opening, leaving 2" bung opening free

Designation	art.no.	€
Filling level display	742039 0001	75,–
	7138	

SARA® Canister and barrel mixer



- Mixer for all container sizes
- Easy to handle
- Precise metering ensures economical use of emulsions
- An appropriate mixture ratio can be adjusted precisely using the needle valve
- The concentration should be checked using a hand-held refractometer
- The device operates on the Venturi principle
- All water-soluble concentrates can be mixed
- Can be attached without difficulty to 5, 10, 25, 60 and 200 l containers
- **Delivery includes:** 3 inlet pipes, adapter set for drums and canisters, and two connection hoses

Designation	art.no.	€
Canister and barrel mixer	907056 0001	459,–
	9122	

SARA® Cooling lubricant table trolley

Economical mixing system with maximum flexibility



- **Simplifies mixing and refilling of the cooling lubricant directly at the machine**
- System separator according to **DIN EN 1717**
- Works with water pressure only
- Catch basin for 200-litre drum in accordance with the German Water Resources Act (WHG)
- 15 m hose reel with nozzle
- Efficient dosing by piston mixer
- **Supplied with:** Mixing trolley with collecting tray, piston mixer, hose reel with tap, pressure reducer and water connection
- **Pricing:** ex works, including packaging



Piston mixer



Water connection with pressure reducer



Mixing volume l/h	Length x width x height mm	Weight kg	Collection volume l	art.no.	€
600	890 x 870 x 2110	120	203	907058 0001	3.399,–
				9154	

SARA® Cutting fluid aerator to reduce bacterial growth

- **Reduces bacterial growth in the cutting fluid**
- Prevents a cohesive tramp oil slick
- Increases the service life of cutting fluids
- Tramp oil should then be removed using an emulsion treatment cart (9030020001) or skimmer system
- Removing tramp oil extends the service life and ensures an even bio balance in the cutting fluid
- Low-maintenance stainless steel housing for easy cleaning
- For direct mounting on the machine
- Can be set with daily or weekly timer
- **Supplied** with timer, aeration plates and connection hoses


Floating foreign oil


Aerating lubricant


Result: no cohesive oil slick



Model	Length x width x height mm	Number of ventilation elements	Suitable for container contents l	Nominal voltage V	Output W	Weight kg	art.no.	€
350	400 x 90 x 75	1	350	240	5	3	906010 0350	489,–
500	400 x 90 x 75	2	500	240	5	3.4	906010 0500	549,–
1000	400 x 90 x 75	4	1000	240	10	4.6	906010 1000	829,–

9120

SARA® Overflow protection sirens

- **To monitor the maximum or minimum fill level**
- Acoustic fill level control on your machine tool
- No excess hall cleaning due to container overflowing
- Easy attachment thanks to magnetic plate
- **Delivery includes:** Siren with magnetic foot and 1x 9 volt monoblock battery







Designation	art.no.	€
Overflow protection sirens	906011 0001	166,–

9120

INSIGHT XB Clear protective panels

Affordable solution for a better view of processing

- **Visual monitoring of the process in the machine area at all times**
- Operation of the machine becomes easier and the entire work process is significantly more efficient and safer, while reject costs fall.
- **The film can be positioned freely and flexibly on the protective screen of the machine. Even curved screens pose no problem.**
- Drip-off effect thanks to special coating
- Low installation height of 0.3 mm
- No screw fitting required, easy to apply with special adhesive layer
- **Note:** The clear protective panel is not intended for use in ATEX areas. Dry machining and very sharp/hot chips, e.g. with high feed-rate milling, can damage
- the surface and impair the effect.
- **Scope of delivery:** protective screen, user manual
- and fitting kit







Type	External Ø mm	art.no.	€
CVD 200	200	991100 0200	63,–
CVD 300	300	991100 0300	83,–
CVD 400	400	991100 0400	122,–

9154

Hand-held refractometer

- The hand-held refractometer enables the cooling lubricant concentration to be checked quickly. As a result, it is possible to use these fluids at the optimum concentration.
- Better utilisation of machine tools
- Longer tool service life
- Avoids rust caused by excessively diluted emulsions
- Allows the emulsion concentration to be varied during operation according to requirements (complies with TRGS 611)
- Reduced costs
- The scale of the hand-held refractometer is in per cent and is easy to read
- **Supplied** with protective bag and pipette





Designation	art.no.	€
Hand-held refractometer 0-32% Brix, analogue	907050 0001	122,50
Hand-held refractometer 0-15% Brix, analogue	907050 0002	122,50

9122

Digital hand-held refractometer

- **Measurement range 0 - 70 %**
- **Ideal for users who wear glasses**
- For checking the emulsions in cutting fluids
- Solution 0.1 % (Brix)
- Accuracy +0.2 % (Brix)
- Digital temperature range 0 - 95 °C
- Automatic temperature correction
- Battery operation
- Auto-off function
- **Supplied** with battery, pipette, operating manual, plastic case



L mm	Width mm	Height mm	art.no.	€
105	55	30	907062 0001	509,–

9122

Emulsion treatment case

- **For all measurements in accordance with TRGS 611**
- Thermometer for determining the specimen temperature
- Plastic beaker for specimen collection
- Empty bottles for sample collection, 3 units
- Nitrite test strips, 100 units, nitrate test strips, 100 units, total hardness test strips, 100 units, pH test strips, 100 units
- **Supplied with:** instructions on cutting fluid maintenance, TRGS 611 requirements, cutting fluid maintenance plan, plastic case with recess for storing a hand-held refractometer, **9070200002** incl. hand-held refractometer 0-15% Brix



Designation	art.no.	€
Emulsion treatment case	907020 0001	249,–
Emulsion treatment case incl. hand-held refractometer 0-15% Brix	907020 0002	315,–

9122



Replacement parts

Designation	art.no.	€
Set of pH, nitrite, nitrate and total hardness test strips, 100 of each	907021 0001	140,–
pH test strips 100 units	907021 0002	30,60
Nitrite test strips 100 units	907021 0003	48,–
Nitrate test strips 100 units	907021 0004	48,–
Total hardness test strips 100 units	907021 0005	48,–
Nitrite/pH test strips 100 units	907030 1002	52,50

9122

SARA® Magnetic folder for maintenance and care plan

- DIN-A4 portrait format
- **Ideal for storing and documenting the cooling lubricant maintenance plans on the machine**
- With magnetic tape on the back
- Colour: blue/transparent
- With insertion sleeve on the front





Designation	art.no.	€
Magnetic folder for cooling lubricant maintenance plan	907022 0001	9,95
	9122	

Filter fleece rolls for cooling lubricants

- **for the filtration and cleaning of liquids**
- Polyester
- Weight: approx. 40 g/m2
- Thickness: 0.19 mm
- Tensile strength: 60- 35 N/5 cm
- Air permeability: 4600 l/(m²*s)
- Colour: white
- Package contents: 2 rolls



Width mm	L m	art.no.	€
390	100	991012 0390	179,–
500	100	991012 0500	210,–
710	100	991012 0710	285,–
1000	100	991012 1000	400,–
		9112	

Emulsion treatment

INFO

Cutting fluid on wet-cutting machine tools is subject to heavy contamination. Hydraulic oils, track oils and greases that are introduced into the system are deposited on the emulsion surface and, at high concentrations, prevent the vital exchange of oxygen. When this mixes with floating and deposited solids, it forms the ideal breeding ground for bacteria and fungi, causing the cutting fluid to break down.

SARA emulsion treatment systems vacuum off a mixture of oils and solids from the emulsion surface. This mixture is separated in the maintenance system; the cleaned emulsion is then returned to the tool machine and the separated oil is fed into a separate container for disposal.
The emulsion and oil are separated using a gentle method which relies entirely on physics so as to avoid negative impacts on the emulsion as the result of centrifuging or similar. Separates up to 97% of floating and swirling tramp oils.



The oil collects on the surface of the resting basin (middle chamber).



Changing the water level allows the collected oil to be drained off into the collection tank via a rounded edge.



As the oil drains off, the surface begins to clear. As soon as all impurities have been removed from the surface, the water level can be lowered again.

Application areas

- Lathes
- Milling machines
- Grinding machines
- Parts washers
- Quenching tanks

Advantages

- Removes tramp oils and solids simultaneously
- Works automatically in bypass mode, without the need for personnel
- No machine downtimes
- Prevents odour formation and eliminates risk of infection
- Extends the service life of lubricants and tools
- **Up to 50% savings in disposal costs!**

SARA® Emulsion maintenance station

- **Stationary/mobile treatment station for removing foreign oils from the cooling lubricant**
- **Emulsion treatment without staff intervention and no machine downtime (bypass procedure)**
- Robust, fully-welded stainless steel housing with oil-resistant outside coating
- Examples of use include machine tools, parts washers
- **Supplied with:** EPS, suction and return hose,
- **Pricing:** ex works, including packaging





Model	Max. feed quantity l/min	Length x width x height mm	Weight kg	art.no.	€
EPS 350	1,3 - 5,8	270 x 152 x 440	15	903001 0001	2.699,–
				9115	

Absorption mat Grippy Mat

- adhesive underside
- prevents the risk of slipping and falling
- Absorbent top side quickly drains liquids
- Alternative to rental mats





YouTube user video

SARA® Emulsion maintenance cart

No personnel required for tramp oil removal – bypass process

- **Mobile cart for removing large volumes of tramp oil**
- **Emulsion treatment without staff intervention and no machine downtime (bypass procedure)**
- Coarse particle removal through integrated pre-filter (standard filter 100 µm)
- Reduced risk of allergic reactions, skin disorders and unpleasant smells
- Liquid temperature max. 50 °C
- Overfill protection for safe automatic operation
- Long-lift high-performance eccentric spiral pump
- Maintenance-free AC motor, 0.37 kW, 230 V connection
- Robust, fully-welded stainless steel housing with oil-resistant outside coating
- **Supplied with:** Treatment cart, float, suction and return hose, 100 µm filter insert
- **Pricing:** ex works, including packaging



903002 0001



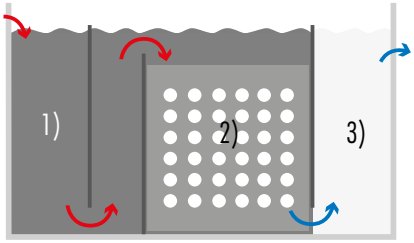
View from above



Tramp oil is drained into a tank with a level switch (overflow protection)



Control unit with pre-filter to protect the pump





Model	Max. feed quantity l/min	Length x width x height mm	Weight kg	art.no.	€
EPW 550	550	1200 x 470 x 860	86	903002 0001	6.749,–
				9115	

Spare parts

Designation	art.no.	€
Fine filter insert 50 µm	903050 1050	29,90
Fine filter insert 100 µm	903050 1100	29,90
Floater 150 x 150 mm	903050 2005	239,–
	9116	



Filter insert



Floater

Repair kits

Designation	Suitable for	art.no.	€
Pump repair kit	Serial number EPW 550/001 to EPW 550/105	903050 1200	645,–
Pump repair kit	Serial number from EPW 550/106	903050 1300	645,–
		9116	



903050 1200



903050 1300

SARA® Belt skimmer

Oil skimmer systems: Contaminations in coolant emulsions from leaked oil floating on the surface, such as hydraulic oil, peripheral lubrication or contact surface oil cause problems with the production process. Oil leakages reduce oxygen absorption, thus encouraging bacterial growth. They also cause deposits to develop on machines and work-pieces, increase the formation of oil mist and reduce cooling performance. The consequences are: skin diseases, unpleasant odours, higher disposal costs, corrosion, bacterial contamination, poor cooling performance and problematic chipping behaviour. The following oil skimmer systems provide assistance in this regard.

- Special oil-carrying belt
- Tramp oil removal from the emulsion surface
- Installed above the emulsion container, requires little space
- Immersion depth: 225 mm





S series

- **For continuous or time-controlled operation (timer switch included)**
- Colour: RAL 7035 (light grey)
- **Delivery:** includes timer switch, skimmer belt (800 mm) and oil return hose

Model	Output l/h	Width of tape x length of strap	Nominal voltage / frequency V/Hz	Length x width x height mm	Weight kg	art.no.	€
S-40	4	800 x 40	230 / 50	190 x 105 x 160	4	904001 0040	899,–
S-100	8	800 x 100	230 / 50	250 x 105 x 160	6	904001 0100	1.299,–

9117



F-series

- **High-quality aluminium casing**
- **Supplied with:** Base unit with 800 mm skimmer band, oil return hose, no timer

Model	Output l/h	Width of tape x length of strap	Nominal voltage / frequency V/Hz	Length x width x height mm	Weight kg	art.no.	€
F-40	4	40 x 800	230 / 50	155 x 85 x 148	1.8	904020 0040	609,–

9117

Spare skimmer belts

- Heat-resistant to 60 °C
- **Alternative version with higher heat or chemical resistance available on request**

Suitable for	Width of tape x length of strap	art.no.	€
S- 40 | F-40	800 x 40	904050 8040	89,50
S- 40 | F-40	900 x 40	904050 9040	93,–
S- 40 | F-40	1000 x 40	904050 1040	96,80
S- 40 | F-40	1200 x 40	904050 1240	103,–

9118

Suitable for	Width of tape x length of strap	art.no.	€
S-100	800 x 100	904050 8010	133,50
S-100	900 x 100	904050 9010	141,50
S-100	1000 x 100	904050 1010	150,–
S-100	1200 x 100	904050 1210	167,50

9118



SARA® Disc skimmer

- Installed with a magnetic base on the side of the coolant container or directly on the container cover
- Universal adjustment possible by means of two joints
- Optimum skimmer disc immersion depth approx. 20 - 40 mm
- 6-step speed regulation via power supply
- **Supplied** with disc, magnetic base, 2 joints, wiper blade, oil drain connection and power supply





Model	Output l/h	D mm	Nominal voltage / frequency V/Hz	Nominal voltage V	Weight kg	art.no.	€
SK 300	Up to 6	300	230 / 50	3 - 12	3	906001 0300	729,–

9119

SARA® Industrial vacuum cleaners

INFO

SARA industrial vacuum cleaners rely on innovative suction technology and their robust design for many years of use. Attention is paid not only to top-quality workmanship, but also to the high quality of the materials used.
Whether you need to remove coarse dirt, hazardous dusts or highly viscous liquids, SARA industrial vacuum cleaners have the right product for you.
Electric and compressed air vacuums from SARA are characterised by the following quality features:

- Reliable suction power
- Easy handling
- Robust design
- Very powerful thanks to highly developed suction technology
- Effective cleaning
- Long service life


Bypass process extracts emulsion directly into the disposal container

The right tool for every application

SARA offers compressed air vacuums and electric vacuums for the removal of dust, liquids, soldering fumes, welding fumes, chips, very hot materials, very cold materials, acidic substances, toxic substances, explosive materials and much more. Available in mobile or stationary version and also with explosion protection in accordance with current ATEX regulations as an option. There are also a range of different options for emptying: via a detachable collection container, via a silo flap, or direct emptying into the customer's own collection container.

Various filter types are available depending on the requirements of dusty extraction media, also in accordance with DIN EN 60335 2 69 Annex AA with IFA test certificate.

Please do not hesitate to contact us for your special cleaning requirements


Vacuum chips even in hard-to-reach places

SARA® Chip and emulsion vacuum cleaner

- **Mobile vacuum cleaner for removing coarse particles from liquids as well as clearing up spills and wet chips**
- **A fully automatic bypass process is used to treat the liquid, with no staff intervention involved (simultaneous suction and drainage possible)**
- Quick and easy disposal of foreign matter thanks to removable basket (∅ 3mm perforated sheet)
- Permanent fill level monitoring by means of a viewing tube on the container
- Mechanical float device
- Safety filter cloth with ring – hydrophobic + oleophobic properties
- Fluid drained by an integrated immersion pump
- Colour: RAL 7035 (light grey)
- **Supplied with:** 3m suction hose, 2-pcs. hand tube, floor nozzle with rubber edges, crevice nozzle, PEM pump hose with 1" ball valve, aluminium hose holder and utensil box
- **Pricing:** ex works, includes packaging



Standard version

- Max. intake air: 360m³/h

Container capacity l	Max. suction capacity m³/h	Negative pressure mbar	Motor output kW	Nominal voltage V	Length x width x height mm	Weight kg	art.no.	€
80	360	220	2 x 1.1 kW	230	970 x 580 x 1300	55	908040 0001	4.889,–
							9113	

Spare parts, consumables

Designation	Illustration		art.no.	€
PEM suction hose, light	1	3	908050 0010	73,60
Aluminium Storz coupling Type C hose connector		1	908050 0020	65,50
Hose clamp 32-50 mm		1	908050 0030	14,20
PEM hose end piece NW38		1	908050 0040	54,10
Crevice nozzle NW38, vacuum opening 60 x10mm, chrome-plated	4	1	908050 0070	168,50
PP float Ø 63mm x 130mm		1	908050 0090	129,50
Safety chain for PP float Ø 60 x 100 mm		1	908050 0100	29,–
Hand-held tube, 2-pcs, chrome-plated steel	2	1	908050 0250	135,–
Floor nozzle with rubber lips	3	1	908050 0260	199,–
Filter cloth Ø 360 x 150mm with plastic ring	5	1	908050 0280	134,50
Chip basket 30-litre, Ø 3mm mesh and float guide	6	1	908050 0290	959,–
Vacuum unit 2 x 1.1 kW, 230 V, 50 Hz		1	908050 0300	1.639,–

9113



Spare filter

Designation	art.no.	€
Disposable filter 10 µm	908050 0310	47,90
Reusable filter 150 µm	908050 0320	145,–

9114

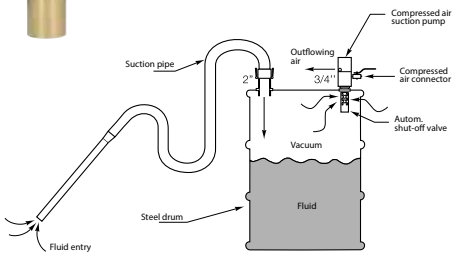


SARA® Pneumatic drum pump

- Pneumatic dual-function suction and pressure pump
- For filling and emptying lubricant and coolant containers
- Used coolant, sludge and small metallic residue is sucked into a steel drum by vacuum
- Simply rotating the knob creates overpressure and the drum can be emptied
- Simply screw the pump into the bung hole (3/4") and the suction hose into the second bung hole (2") of a standard steel drum
- Required pressure approx. 6 – 8 bar
- Filling and emptying of approx. 60 l/min
- Automatic closing valve prevents overflowing
- **Caution:** Do not use the pneumatic pump for highly inflammable or explosive liquids. The steel drum must be undamaged and airtight.
- **Supplied with** approx. 3 m suction hose, coupling, inlet pipe and adapter







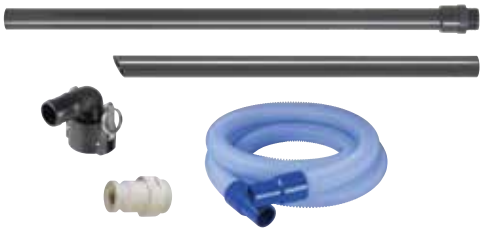
Designation	art.no.	€
Compressed air drum pump, stainless steel, 3/4 inch	931004 0001	640,–

9110

Spare parts

Designation	Colour	Illustration	art.no.	€
Riser 815 mm	Grey	1	931005 0005	39,50
Intake pipe	Grey	2	931005 0003	39,50
Adapter	Grey	3	931005 0004	139,50
Coupling	Black	4	931005 0001	139,50
Hose, 3 m	Blue	5	931005 0002	69,90

9110



Absorbent

INFO

- Optimum absorption results for oil, coolants, solvents, water
- Saves costs
- Safe, prevents slipping

For leaking liquids on your premises!



Selection criteria for PIG® mats

Absorbed liquids		PIG® mat	Particularly well-suited for	Page
All-purpose Absorbs and stores oils, coolants, solvents and water For liquids such as: • Hydraulic oil • Plant oil • Petrol • Paraffin • Anti-freeze • Propylene glycol • Acetone • Toluene • Xylene • MEK (Butanone, methyl ethyl ketone)	Hard-wearing	**PIG BLUE™ mat**	Maintenance work that requires a high level of absorption	1634
		PIG® all-purpose mat	Absorption of leaks and dripping in the course of daily maintenance	1630
		PIG® all-purpose drum lid mat	Dripping pumps and cleaning of drum lids	1634
	Ultra-hard-wearing	**4 IN 1® mat**	General cleaning with an all-purpose product	1630
		FAT MAT® all-purpose mat MAT 2101/2102	Cleans up large leaks	1630
		HAM-O® all-purpose mat	Covering absorbing liquids for a clean workplace	1634
	Very hard-wearing	**PIG® elephant mat**	Passageways and walkways in highly visited areas	1633
		TRAFFIC MAT® rug	Passageways and walkways in areas with forklift traffic	1633
Oil-Only Absorbs and stores oils and oily liquids without absorbing water • Motor oil • Hydraulic oil • Petrol • Diesel fuel • Paraffin	Hard-wearing	**PIG® white oil-only mat**	Absorption of oil-based liquids with good visibility of liquids, can also be used in outdoor areas	1635
	Ultra-hard-wearing	**4 IN 1® oil-only mat**	General oily cleaning applications with a single product	1635
		FAT MAT™ oil-only mat	Cleans up large leaks	1635



Selection criteria for PIG® absorbent linings

Absorbed liquids	absorbent lining	Absorption	Filling	Formability	Special characteristics	Page
All-purpose Absorbs and stores oils, coolants, solvents and water	**PIG® original**	Up to 1.9 l	Grits	Extreme	Extremely flexible and cheap, can be laid out closely around machines	1636
	PIG® blue	Up to 14 l	Granulate	super	Unbeaten ground adhesion, for use on dripping machines and for eliminating leaks	1636
	PIG® super	Up to 7.6 l	Cellulose	Normal	Extremely absorbent, ideal when maximum absorption performance is required	1636

Many PIG® products are manufactured partly or fully from recycled materials.
The percentage of recycled materials is always specified.

25 % 75 % 100 %

Suction mat roll holder

- PIG roll holder for fast removal of mats as required
- For clean and safe storage of PIG mats







910110 0015



Model	Designation	art.no.	€
GEN 249	Mat stands with rolls for PIG mats up to 91 cm wide	910110 0015	286,–
57701	Magnetic roll holder for PIG rollers 38 cm x 15 m	910110 0017	13,90

9208

Universal mat

- **High absorbency ensures a clean and safe workplace**
- Simply place the mat over the spill
- Rapid absorption and high strength, even with fully saturated mats
- Saves on disposal costs due to the reduced volume
- Perforation enables mats to be laid as needed
- For absorbing oil, coolants, solvents and water
- Ideal for wiping off machinery, laying out tool boxes and covering work areas
- The exceptionally hard-wearing 4-in-1® mats (MAT284 and MAT235) can be used as an underlay, roll, wipe and absorbent sock
- **Price per pack**

YouTube user video

25%



Mats

Type	Dimensions	Thickness	Contents	Absorption capacity l/min	art.no.	€
MAT 231	38 x 51 cm	Double thickness	50 pcs. per box	42 l	910101 0001	85,20
MAT 203	38 x 51 cm	Double thickness	100 units in box	84 l	910101 0020	167,50
MAT 204	38 x 51 cm	Single thickness	200 units in box	84 l	910101 0021	167,50
MAT 2101	41 x 51 cm	Quadruple thickness	50 units in dispenser box	84 l	910101 0042	163,50
MAT 240	38 x 51cm	Double thickness	100 units in dispenser box	84 l	910101 0025	179,–

9201



MAT 231

Roll material, perforated every 25.5 cm

Type	Dimensions	Thickness	Contents	Absorption capacity l/min	art.no.	€
MAT 137	76 cm x 46 m	Single thickness	1 roll	76 l	910101 0032	144,50
MAT 220	38 cm x 46 m	Double thickness	2 rolls	76 l	910110 0030	276,–
MAT 202-01	61 cm x 46 m	Double thickness	1 roll	123 l	910110 0035	226,–
MAT 230	76 cm x 46 m	Double thickness	1 roll	152 l	910110 0010	276,–
MAT 2102	81 cm x 23 m	Quadruple thickness	1 roll	152 l	910110 0033	258,–

9201



MAT 230

MAT 202-01

Roll material, 4-in-1®, perforated every 25.5 cm, extremely hard-wearing

Type	Dimensions	Contents	Absorption capacity l/min	art.no.	€
MAT 284	41 cm x 24 m	1 roll	35 l	910110 0060	127,50
MAT 235	41 cm x 46 m	1 roll	66 l	910110 0061	217,–

9201



MAT 284



MAT 229

Roll material, continuous, for use in narrow areas

Type	Dimensions	Thickness	Contents	Absorption capacity l/min	art.no.	€
MAT 229	25 cm x 46 m	Double thickness	3 rolls	51 l	910110 0025	270,–

9201



MAT 242

Roll material, longitudinal perforations every 25.5 cm and lateral perforations every 9.5 cm for ideal adjustment

Type	Dimensions	Contents	Absorption capacity l/min	art.no.	€
MAT 242	38 cm x 18 m in dispenser box	1 roll	30 l	910110 0001	92,10
MAT 243	38 cm x 46 m	1 roll	74 l	910110 0002	154,50

9201









Universal absorbent fleece

For a clean workplace

- Replaces cleaning cloth
- Perforations every 25cm
- Highly absorbent, fine-fibre structure that leaves virtually no liquid or fibre residues behind
- The single-layer design is ideal for small spills and cleaning operations.
- Ideal for workshops, tool trolleys, toolboxes and service areas



910110 0026



910110 0027

Roller material

Type	Dimensions	Thickness	Contents	Absorption capacity l/min	art.no.	€
MAT1990-DE	38 cm x 15 m	Single thickness	1 roll	12.5 l	910110 0026	39,20
MAT1991-DE	38 cm x 15 m	Single thickness	12 rolls	150 l	910110 0027	480,–

9201

Economy mat

- **The cost-effective mat with a high absorption capacity**
- For small spills, leaking and dripping points
- For light-duty applications in walkway areas
- Ideal as an underlay for tools and workpieces
- **Price per pack**



25%

YouTube user video



MAT 411

Roll material

Type	Dimensions	Contents	Absorption capacity l/min	art.no.	€
MAT 411	76 cm x 61 m	1 roll	161 l	910110 0045	276,–

9201

Mats

Type	Dimensions	Contents	Absorption capacity l/min	art.no.	€
MAT 412	38 x 51 cm	125 pcs. in box	82 l	910101 0030	167,–

9201



MAT 412

Grippy mat

- Absorbent mat with strong grip thanks to anti-slip underside
- Prevents slipping and tripping
- Grips the floor without adhesive tape
- Floor coverings can be removed without leaving residue
- Fluids cannot trickle out onto the floor
- Durable surface, suitable for pedestrian and forklift traffic
- **Price per pack**

YouTube user video









Roll material

Type	Dimensions	Contents	Absorption capacity l/min	art.no.	€
MAT 1625	41 cm x 7.6 m	1 roll	7.5 l	910105 1625	54,10
MAT 3250	81 cm x 15 m	1 roll	30.3 l	910105 3250	191,50
MAT 32100	81 cm x 30 m	1 roll	60.6 l	910105 3210	372,–
				9201	



Mats

Type	Dimensions	Contents	Absorption capacity l/min	art.no.	€
MAT 3200	41 cm x 61 cm	10 pcs. in bag	7.5 l	910105 3200	54,10
				9201	

Grippy mat with safety edge

- **Black/yellow signal pattern on the edges of the roll mat warns of hazards and guarantees increased safety**
- Absorbent mat with strong grip thanks to adhesive backing
- Prevents slipping and tripping
- Grips the floor without adhesive tape
- Floor coverings can be removed without leaving residue
- Fluids cannot trickle out onto the floor
- Durable surface, suitable for pedestrian and forklift traffic
- **Easy to clean:** You can sweep, wipe, vacuum or go over the mat with your wet vacuum or floor cleaner (cleaning makes the signal edge visible again)
- **Easy adjustment:** You can trim the mat to indicate the safest route, even around corners
- **Price per pack**

91% more environmentally friendly than leased floor mats





Type	Dimensions	Contents	Absorption capacity l/min	art.no.	€
GRPSB36200	91 cm x 30 m	1 roll	30 l	910105 6200	509,–
GRPSB36201	91 cm x 15.3 m	1 roll	15 l	910105 6201	280,–
				9201	

Grippy Traffic MAT® mat

- Very durable absorbent mat
- The material is heat-fused and needle-punched, creating a high level of durability
- The underside provides the mat with a strong grip, which reduces the risk of slipping and tripping
- **Price per pack**





YouTube user video

Roll material

Type	Dimensions	Contents	Absorption capacity l/min	art.no.	€
GRP36201	91 cm x 15 m	1 roll	15 l	910105 3621	225,–
GRP36200	91 cm x 30 m	1 roll	50 l	910105 3620	495,–

9201

Accessories: Grippy Mat



910110 0020



910110 0021



910110 0022

Accessories: *Grippy Mat*

Type	Designation	art.no.	€
GRP001	Cutting template	910110 0020	37,50
GRP012	Safety knife	910110 0022	28,50
GRP011	Spare blades	910110 0021	18,80

9208





Elephant mat

- **Durable mat, roll material**
- High wear and tear resistance
- Keeps walkways and standing areas clean and safe
- Absorbs oil, coolants and solvents, water
- **Price per pack**



25%



MAT 234

Roll material

Type	Dimensions	Contents	Absorption capacity l/min	art.no.	€
MAT 234	84 cm x 46 m	1 roll	87 l	910110 0006	317,–

9201

Traffic mat

- **Hard-wearing mat for enhanced safety on smooth floors, roll material**
- Extremely hard-wearing
- MAT223 with PE lining on the underside
- Prevents liquids from leaking through
- **Price per pack**





MAT 223

Roll material

Type	Dimensions	Contents	Absorption capacity l/min	art.no.	€
MAT 223	91 cm x 30 m	1 roll	49 l	910110 0055	289,–
MAT 218	91 cm x 91 m	1 roll	148 l	910110 0050	440,–

9201

Ham-O mat

- **Liquid disappears in seconds**
- Unique pattern hides leaks and drops
- Absorbs oil, water and coolant (not recommended for solvents, which could dissolve the embossed pattern)
- Extremely hard-wearing
- Practical perforation
- **Price per pack**


225 ml oil is poured onto the HAM-O...


... and completely absorbed in a matter of seconds.

25%



MAT 267

Roll material, perforated every 25.5 cm

Type	Dimensions	Contents	Absorption capacity l/min	Colour	art.no.	€
MAT 267	41 cm x 46 m	1 roll in dispenser box	89 l	Green	910101 0081	219,–
MAT 269	81 cm x 46 m	1 roll	180 l	Green	910110 0269	395,–
MAT 116	81 cm x 46 m	1 roll	179.5 l	Grey	910101 0022	395,–

9201




MAT 116

Drum lid mats

- **Keep drum lids clean and dry**
- Absorbs oil, cooling solvents, water
- Pre-cut, fits perfectly onto a 210 litre drum
- **Price per pack**



25%



Type	Ø cm	Thickness	Contents	Absorption capacity l/min	art.no.	€
MAT 208	56	Double thickness	25 units in box	26 l	910101 0041	113,50

9201

Blue mat

- Made of 75 % recycled material
- **High absorption capacity**
- Absorbs oils, coolants, solvents and water
- Good floor adhesion, highly resistant even when saturated
- **Price per pack**





75%

YouTube user video


BLU 100

Mats in a dispenser box

Type	Dimensions	Thickness	Contents	Absorption capacity l/min	art.no.	€
BLU107	38 x 48 cm	Single thickness	50 units in box	45.5 l	910200 0107	70,20
BLU106	38 x 48 cm	Double thickness	50 units in box	64.5 l	910200 0106	81,70
BLU100	38 x 48 cm	Single thickness	100 units in box	90 l	910200 0100	136,–
BLU101	38 x 48 cm	Double thickness	100 units in box	129 l	910200 0101	159,50

9201

Roll material, perforated every 25.5 cm

Type	Dimensions	Thickness	Contents	Absorption capacity l/min	art.no.	€
BLU105	38 cm x 46 m	Single thickness	1 roll	78 l	910201 0105	114,–
BLU103	38 cm x 46 m	Double thickness	1 roll	121 l	910201 0103	132,50
BLU104	76 cm x 46 m	Single thickness	1 roll	155 l	910201 0104	220,–
BLU102	76 cm x 46 m	Double thickness	1 roll	242.5 l	910201 0102	258,–

9201


BLU 104

YouTube user video

Drum lid mats

Type	Ø cm	Thickness	Contents	Absorption capacity l/min	art.no.	€
BLU255	56	Single thickness	25 units in box	45.4 l	910202 0255	96,70

9201


BLU 0255

Oil-Only mat (white)

- **The special white mat absorbs oil only, no water**
- Made of polypropylene, absorbs oil drops and leaks
- Water-resistant, which means it is also suitable for outdoor use. Absorption capacity is not affected by rain
- The exceptionally hard-wearing 4-in-1® Mats (MAT484 and MAT435) can be used as an underlay, roll, wipe and absorbent sock.
- **Price per pack**





YouTube user video



Mats

Type	Dimensions	Thickness	Contents	Absorption capacity l/min	art.no.	€
MAT 415	38 x 51 cm	Double thickness	50 units in box	42 l	911001 0010	67,90
MAT 4101	41 x 51 cm	Quadruple thickness	50 units in box	84 l	911001 0013	139,50
MAT 440	38 x 51 cm	Medium	100 units in box	84 l	918009 0013	138,–
MAT 403	38 x 51 cm	Double thickness	100 units in box	84 l	911001 0011	130,50
MAT 460	38 x 51 cm	Medium	125 pcs. in bag	83 l	918009 0021	133,–
MAT 423	38 x 51 cm	Single thickness	200 units in box	84 l	911001 0001	130,50

9201



MAT 401

Roll material

Type	Dimensions	Thickness	Contents	Absorption capacity l/min	art.no.	€
MAT 401	76 cm x 46 m	Double thickness	1 roll	152 l	911010 0012	221,–
MAT 4102	81 cm x 23 m	Quadruple thickness	1 roll	152 l	911010 0013	235,–
MAT 461	76 cm x 61 m	Medium	1 roll	161 l	918009 0022	225,–

9201



MAT 435

Roll material, 4-in-1®, perforated every 25.5 cm, extremely hard-wearing

Type	Dimensions	Contents	Absorption capacity l/min	art.no.	€
MAT 484	41 cm x 24 m in dispenser box	1 roll	35 l	910101 0048	114,50
MAT 435	41 cm x 46 m	1 roll	66 l	910101 0043	199,–

9201



MAT 484

Roll material, perforated, in a dispenser box

Type	Dimensions	Thickness	Contents	Absorption capacity l/min	art.no.	€
MAT 442	38 cm x 18 m	Double thickness	1 roll	30 l	918009 0014	76,50

9201

HAZ-MAT mat

- **Specially for absorbing acids and aggressive liquids**
- Simply place the mat over the spill
- Rapid absorption and high strength, even with fully saturated mats
- Saves on disposal costs due to the reduced volume
- Perforation enables mats to be laid as needed
- Resistance list available on request
- **Price per pack**





Mats

Type	Dimensions	Thickness mm	Contents	Absorption capacity l/min	art.no.	€
MAT 301	38 x 51 cm	Double thickness	100 units	84 l	912001 0002	179,–

9201





Roll material

Type	Dimensions	Thickness mm	Contents	Absorption capacity l/min	art.no.	€
MAT 309	76 cm x 46 m	Double thickness	1 roll	152 l	912010 0001	299,–

9201

Absorbent sock

- **For absorbing drops and leaks in all parts of your machinery**
- **For a clean and safe workplace**
- Cost savings thanks to low disposal volumes
- Absorbs oil, water, coolants and solvents
- Exceptionally supple, for surrounding heavily leaking machinery or for containing leaks
- Sock forms a tight seal with the floor
- **Price per pack**





YouTube user video

Original

- Cost-effective
- For daily use

Type	Dimensions	Contents	Absorption capacity l/min	art.no.	€
204	Ø 8 x 107 cm	20 units	38 l	910120 0001	80,30
404	Ø 8 x 107 cm	40 units	76 l	910120 0002	134,50

9201

100%



BLUE

- Effective for all-purpose application

Type	Dimensions	Contents	Absorption capacity l/min	art.no.	€
PIG 203	Ø 8 x 600 cm	4 units	56 l	910120 0014	119,–
PIG 202	Ø 8 x 300 cm	8 units	56 l	910120 0013	127,–
2048	Ø 8 x 122 cm	20 units	56 l	910120 0010	95,60
PIG 201	Ø 8 x 61 cm	55 units	77 l	910120 0012	175,–
4048	Ø 8 x 122 cm	40 units	112 l	910120 0011	179,50

9201



SUPER

- Maximum absorption capacity to meet the toughest requirements

Type	Dimensions	Contents	Absorption capacity l/min	art.no.	€
PIG 214	Ø 8.25 x 213 cm	12 units	91 l	910120 0042	138,50
PIG 210	Ø 8.25 x 107 cm	24 units	91 l	910120 0040	134,50
PIG 211	Ø 8.25 x 53 cm	48 units	91 l	910120 0041	141,–

9201

100%



Absorbent pillow

- Absorbs oil, coolant, water and all non-aggressive liquids
- Robust, tear-proof polypropylene cover
- Also for use in confined spaces, under hydraulic lines and in the tightest corners
- **Price per pack**



Absorbent pillow

Type	Dimensions	Contents	Absorption capacity l/min	art.no.	€
PIL 201	53 x 43 x 5 cm	16 units	121 l	910101 0055	147,50
PIL 204	25 x 25 x 5 cm	40 units	76 l	910101 0060	134,50

9201



PIL 204

PIL 201

DRAINBLOCKER®

- **Drain covers**
- Special shape creates a secure seal over the drain opening
- Made of flexible polyurethane for protection against water, oil and most chemicals
- Easy to clean and therefore re-usable
- Cover must overlap the drain by at least 8 cm on all sides



Type	Dimensions	Contents	art.no.	€
PLRE 241	46 x 46 x 1.1 cm	1 unit	913020 0001	162,50
PLRE244	61 x 61 x 1.1 cm	1 unit	913020 0055	295,–
PLRE 242	91 x 91 x 1.1 cm	1 unit	913020 0002	569,–
PLRE 243	122 x 122 x 1.1 cm	1 unit	913020 0003	885,–

9203

SPILLBLOCKER®

- **Containing leaks**
- Made of non-absorbent polyurethane; resistant to water, oil and most chemicals
- Flexible down to -20°C – adheres to smooth floors, forms a dam that can be curved as necessary
- Containing liquids
- Diverting liquids
- Protects sites from approaching liquid flows
- Due to the high weight and flexibility of the polyurethane, SPILLBLOCKER® forms a tight seal with the floor with even minor surface irregularities sealed
- Connecting sections for joining together and corner sections for rectangular layouts available



Rectangular barriers are formed using corner sections PLR206.



For greater leaks, two or more barriers are jointed with connectors PLR205.

Type	Dimensions	Contents	art.no.	€
PLR 204 barrier	5.7 x 10 x 300 cm	1 unit	913001 0001	719,–
PLR 205 connector	5.7 x 10 cm	1 unit	913001 0005	27,50
PLR 206 corner piece	5.7 x 10 cm	1 unit	913001 0006	61,50

9203

Binding or spreading agent

Recycled cellulose from European sources

- **Absorbs up to 24 litres per bag**
- Absorbs and binds oil, coolants, solvents and water
- Very rapid absorption
- Does not scratch floors or machinery (cellulose-based)
- Can be incinerated after use to reduce waste and recover energy
- **Pricing:** ex works, including packaging



100%



Contents	art.no.	€
8 kg	911001 0506	22,50

9203

SARA® Special granules *SARA-Sorb V2000*

- 1 kg granulate for cleaning approx. 30-45 m²
- Absorption capacity: 1 kg = 0.724 litre
- Up to three times higher absorption than conventional granulates
- Absorbs virtually all liquids during operation, e.g. leaking oil, fuel, chemicals, acids, alkalis and solutions
- Fine-grained, Class III R natural material that has been calcinated several times for ecological and cost-saving use on smooth or porous surfaces
- Dust and asbestos-free, chemically neutral, non-combustible, non-toxic, crush-resistant, does not stain and leaves no residues
- Retains its strength even in a saturated state (no sludge formation)
- **Note:** All used oil binders must be disposed of in accordance with the waste code number and the medium that was absorbed.
- **For orders of 1 pallet (56 bags of 10 kg), we offer a 20% volume discount**
- **Pricing ex works, including packaging**

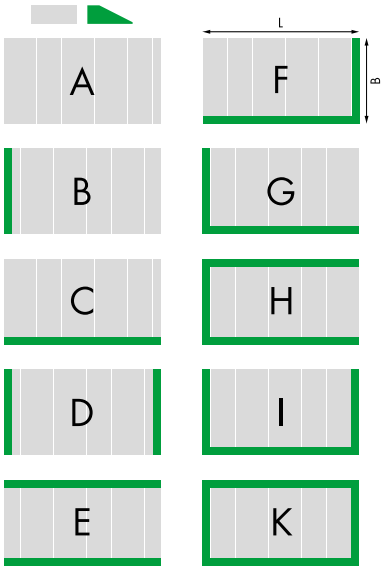


Contents	art.no.	€
10 kg bag	920101 0100	23,20

9128

SARA® Foot grilles

- **The safe machine base**
- Made of dried beech
- Can be rolled up – practical for cleaning
- Elastic, relieves strain on the vertebrae
- Robust, can also withstand hard use on machines
- Maintenance-free, no wear at connecting elements
- Supported by oil-resistant, fibre-reinforced rubber belts
- Profiled batten surface, height 3.5 cm
- Available grille widths 60 - 150 cm
- Grille length as required, prices per running metre
- 970111.... Standard version without access ramp
  970112.... Additional charge for version with access ramp along one width (for version with access ramps along both widths, please order 2x)
  970113.... Additional charge for version with access ramp along length
  970114.... Additional charge for impregnation
- Corundum coating for maximum skid resistance also available on request
- Price per running metre
- **For orders with access ramp on one side, please specify which side (see example)**
- **Delivery:** free kerbside delivery within Germany, excluding platforms and custom designs



Platforms and custom designs available on request



Width mm	Number of rows	Walk grating art.no.	€	Ramp edge along width art.no.	€	Ramp edge along length art.no.	€	Impregnation art.no.	€
600	2	970111 0602	128,50	970112 0602	23,20	970113 0602	26,40	970114 0602	29,70
700	2	970111 0702	163,50	970112 0702	23,20	970113 0702	26,40	970114 0702	34,50
800	2	970111 0802	184,–	970112 0802	23,20	970113 0802	26,40	970114 0802	39,30
800	3	970111 0803	232,–	970112 0803	23,20	970113 0803	26,40	970114 0803	39,30
900	3	970111 0903	262,–	970112 0903	23,20	970113 0903	26,40	970114 0903	44,10
1000	3	970111 1003	273,–	970112 1003	23,20	970113 1003	26,40	970114 1003	49,30
1100	3	970111 1103	304,–	970112 1103	23,20	970113 1103	26,40	970114 1103	54,–
1200	3	970111 1203	324,–	970112 1203	23,20	970113 1203	26,40	970114 1203	59,10
1300	3	970111 1303	345,–	970112 1303	23,20	970113 1303	26,40	970114 1303	63,80
1400	3	970111 1403	365,–	970112 1403	23,20	970113 1403	26,40	970114 1403	68,80
1500	3	970111 1503	400,–	970112 1503	23,20	970113 1503	26,40	970114 1503	73,60
		9130		9130		9130		9130	







Corundum coating for maximum skid resistance also available on request



Platforms and custom designs available on request

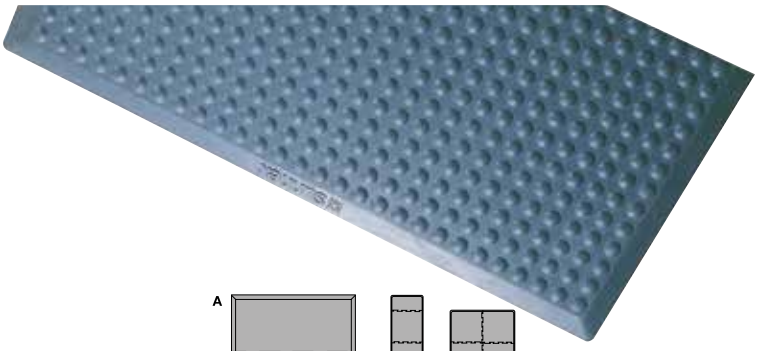


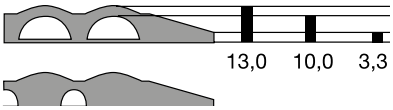


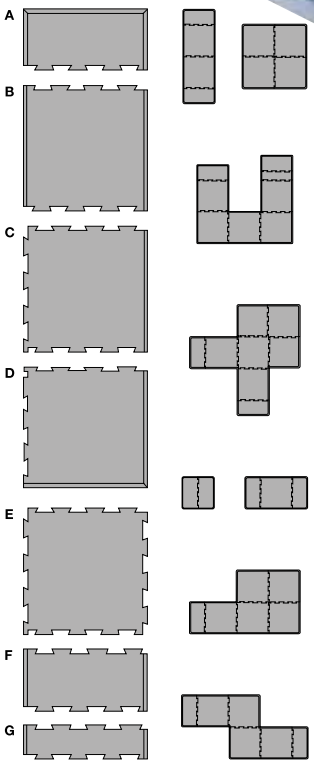


sunnex Mat system

- **For damp and oily areas**
- Thickness: 13 mm
- A significant factor influencing the health and productivity of staff
- Reduces fatigue and joint pain in the feet, legs and back
- Non-slip, noise and heat insulating
- Sealed surface, easy to clean
- Tapered edge, no trip hazard, can be driven over
- Individual parts can be fitted together like jigsaw pieces
- Dovetail profile for simple, tool-free connection
- Nitrile rubber – exceptionally resistant to wear, cleaning agents, cutting oils, hot chips, falling tools
- **ESD version available on request**





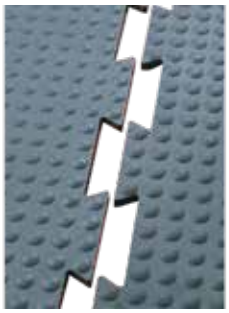


Standard measuring units and installation example

Description	L cm	Width cm	Type	art.no.	€
	150	75	A+B+A	975001 1575	398,–
	37.5	75	A	975003 0001	120,–
	75	75	B	975003 0005	169,–
	75	75	C	975003 0010	169,–
	75	75	D	975003 0015	169,–
	75	75	E	975003 0020	169,–
	37.5	75	F	975003 0025	120,–
	17.5	75	G	975003 0030	97,50

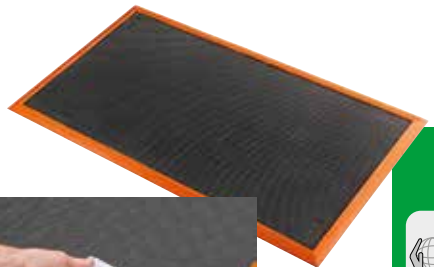
9129




TRAX pig Anti-fatigue mat *Sorb-Stance*

- **For damp and oily areas**
- Thickness: 19 mm
- Made of high-quality nitrile rubber
- Special profiles on the underside ensure excellent cushioning
- Combines the advantages of an anti-fatigue mat with an absorbent mat
- Can be combined with PIG absorbent mats, article numbers 910101 0106
- and 910101 0107


Anti-fatigue mat, without absorbent mat

L cm	Width cm	Weight kg	art.no.	€
163	91	18	970148 1016	475,–
316	91	33	970148 1031	939,–

9131

PIG® All-in-1 mat

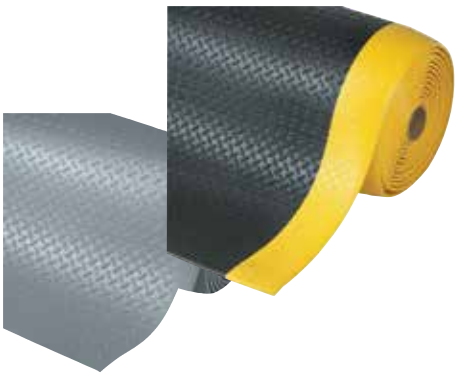
- Suitable for insertion in anti-fatigue mats

Type	L cm	Width cm	Contents	Absorption capacity l/min	art.no.	€
RFLE906	150	81	10 units	58.5 l/PU	910101 0106	177,50
RFLE907	300	81	10 units	117.1 l/PU	910101 0107	298,–

9201

NOTRAX® Ergonomic workplace floor covering *DIAMOND SOF-TRED*

- **For dry areas**
- Thickness: 12.7 mm
- Weight: approx. 6 kg/m²
- Floor covering for walking and standing in safety
- Non-slip surface
- Extra strong vinyl foam ensures enhanced ergonomic benefits
- Prevents premature symptoms of fatigue and protects the user from cold concrete floors, protects the floor and reduces the risk of breaking tools
- Dyna-Shield™ hard-wearing surface increases durability by 50 % in comparison to conventional vinyl floor coverings
- Four tapered edges eliminate tripping hazards



Mats

L cm	Width cm	Grey art.no.	€	Black/yellow art.no.	€
91	60	970149 6009	84,70	970150 6009	83,70
150	91	970149 9015	200,–	970150 9015	260,–
300	91	970149 9030	400,–	970150 9030	519,–
600	91	970149 9060	809,–	970150 9060	1.039,–
		9131		9131	



Rolled product (max. 18.3 m length)

- Price per running metre

Width cm	Grey art.no.	€	Black/yellow art.no.	€
60	970153 0060	94,90	970154 0060	98,40
91	970153 0091	147,50	970154 0091	145,–
122	970153 0122	185,50	970154 0122	182,50
	9131		9131	

NOTRAX® Rubber floor mats

Made-to-measure on request

- **For damp and oily areas**
- Non-slip surface and secure grip of the floor surface
- Extremely durable and versatile for industrial use
- **100 % nitrile rubber makes it resistant to numerous oils and chemicals**
- Practically indestructible, designed for harsh working environments where safety and durability are essential
- Outstanding protection against fatigue when working in a standing position
- Orange safety edges made of nitrile rubber on three sides
- **Also available with red edge strips on request**



Safety Stance™

- Thickness: 22 mm
- Perforated surface

Designation	L mm	Width mm	art.no.	€
Black, 3 orange safety edges	102	66	970156 6610	239,–
			9131	





Modular system for customised configurations

Designation	Dimensions cm	art.no.	€
Standard module	91 x 152	970155 9115	365,–
Connector	30	970155 0030	21,10
Edge strip, orange	91	970155 0091	32,90
Edge strip, orange	152	970155 0152	54,30
		9131	



Safety Stance Solid™

- Thickness: 20 mm
- Sealed surface

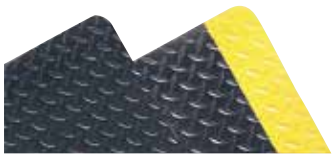
Description	L cm	Width cm	art.no.	€
Black, 3 orange safety edges	102	66	970158 6610	359,–
Black, 3 orange safety edges	163	97	970158 9716	509,–
Black, 3 orange safety edges	315	97	970158 9731	1.449,–
			9131	



Industrial workplace mat *Cushion Trax™*

- **For dry areas**
- Thickness: 14 mm
- Weight: 6.5 kg/m²
- For demanding industrial applications in dry work areas
- Very rugged design offering a high level of standing comfort
- All-round tapered edges remove any trip hazard
- Stable, laminated surface over damping vinyl foam
- Tested with RedStop anti-slip backing (R 10)
- Meets fire protection class Bfl-S1
- Colours: black or black with yellow safety stripes
- Made-to-measure in 3 different standard widths
- **Rolled product (max. 22.8 m length)**
- **Price per running metre**







Colour	Width mm	art.no.	€
Black	60	970157 0060	174,–
Black	91	970157 0091	247,–
Black	122	970157 0122	320,–
Black	152	970157 0153	569,–
Black/yellow	60	970157 1060	179,–
Black/yellow	91	970157 1091	267,–
Black/yellow	122	970157 1122	370,–
Black/yellow	152	970157 1152	589,–
		9131	



Flame-retardant workplace mat

- **for dry (coin tread) and damp (studded tread) areas**
- Thickness: 13mm
- Weight: 2.9kg
- Material: polyurethane foam
- pursuant to EN13501-1 /floor covering test flame-retardant and therefore also suitable for use in public buildings
- in accordance with fire protection class Bfl-S1
- heat-resistant against short-term sparking and welding beads
- hardness 25-30 Shore A





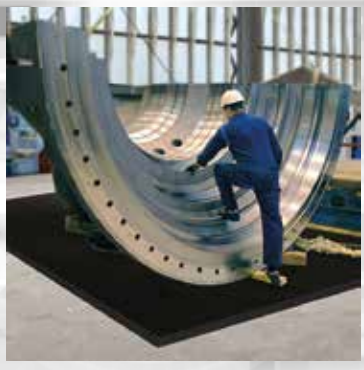
Length x width cm	Washer profile art.no.	€	Hemispherical art.no.	€
96 x 66	970200 0010	166,–	970200 0030	166,–
120 x 90	970200 0020	310,–	970200 0040	310,–
	8108		8108	

Environmental technology info

Other workplace mats available as mats, rolls, tiles or customised mats on request:

- **dry areas**
- **damp areas**
- **oily areas**
- **fireproof areas**
- **ESD areas**
- **Hygiene mats**
- **Food industry**
- **Specialist industrial areas**



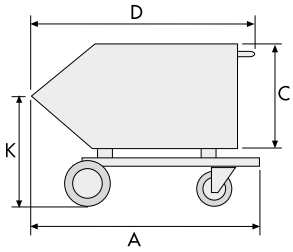


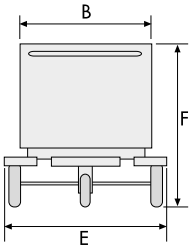
Steel sheet box cart

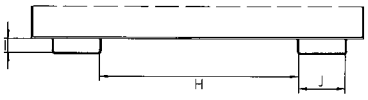
- **Manual tipper with level-ground discharge facility**
- **For all types of bulk material**
- **Load bearing capacity 300 kg**
- Welded oil and water-tight
- Strong sheet steel design with edge reinforcement
- Base frame made of profile steel
- Spring-loaded anti-tip lock
- Forklift pockets designed to prevent accidental slipping and tipping off
- Painted RAL 5012 (light blue) or RAL 7005 (mouse grey)
- **Other RAL colours available on request**
- **Custom designs available on request**
- **Supplied with:** two wheels plus one swivel castor (from 0.6 m³ 2 wheels & 2 swivel castors) made of solid rubber, including one swivel castor with wheel stop, push handle
- **Pricing: free kerbside delivery within Germany**



RAL 5012





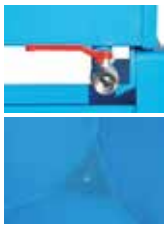




Standard version

Contents m³	A mm	B mm	C mm	D mm	E mm	F mm	H mm	I mm	J mm	K mm	Roller quantity	Weight kg	RAL 5012 art.no.	€	RAL 7005 art.no.	€
0.25	1115	580	610	1120	820	990	465	55	170	680	3	75	955004 0250	779,–	955004 0251	779,–
0.40	1320	660	710	1330	900	1090	465	55	170	740	3	91	955004 0400	889,–	955004 0401	889,–
0.60	1395	830	780	1400	1070	1220	465	55	170	830	4	139	955004 0600	1.099,–	955004 0602	1.099,–
1.00	1420	1100	850	1430	1340	1290	465	55	170	870	4	164	955004 1000	1.339,–	955004 1001	1.339,–
													9107		9107	







Sheet steel box tipper for collecting and separating liquids and solids

- Screen plate for chip collection, hole Ø 3 mm, division 6 mm
- Drain cock 1" for draining the liquids

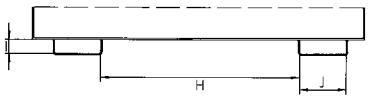
Contents m³	A mm	B mm	C mm	D mm	E mm	F mm	H mm	I mm	J mm	K mm	Roller quantity	Weight kg	RAL 5012 art.no.	€	RAL 7005 art.no.	€
0.25	1115	580	610	1120	820	990	465	55	170	680	3	77	955007 0250	879,–	955007 0252	879,–
0.40	1320	660	710	1330	900	1090	465	55	170	740	3	93	955007 0400	929,–	955007 0401	929,–
0.60	1395	830	780	1400	1070	1220	465	55	170	830	4	141	955007 0600	1.229,–	955007 0601	1.229,–
1.00	1420	1100	850	1430	1340	1290	465	55	170	870	4	167	955007 1000	1.459,–	955007 1001	1.459,–
													9107		9107	

BAUER Chip containers

- **Tipping at any height by means of cable control from the forklift seat**
- **For all types of bulk material**
- **Load bearing capacity up to 1500 kg**
- Welded oil and water-tight
- Low height
- Tank plate with circumferential edge profile
- Robust base frame with forklift pockets
- Designed to prevent accidental slipping and tipping off
- Painted RAL 5012 (light blue) or RAL 7005 (mouse grey)
- **Other RAL colours available on request**
- **Custom designs available on request**
- **Supplied with:** Tipper without castors (castors available on request)
- **Pricing:** free kerbside delivery within Germany











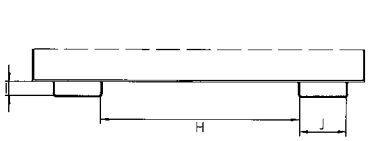
Version for collecting and separating liquids and solids

- Screwed perforated sheet for chip collection, hole Ø 3 mm, division 6 mm
- Drain cock 1" for draining the liquids

Contents m³	Length x width x height mm	Load bearing capacity kg	Weight kg	H mm	I mm	J mm	RAL 5012 art.no.	RAL 5012 €	RAL 7005 art.no.	RAL 7005 €
0.30	1440 x 680 x 580	750	125	10	60	200	955011 0300	1.409,–	955011 0302	1.409,–
0.50	1440 x 780 x 680	1000	137	150	60	200	955011 0500	1.719,–	955011 0510	1.719,–
0.75	1440 x 1280 x 680	1000	169	495	60	200	955011 0750	1.929,–	955011 0751	1.929,–
1.00	1640 x 1280 x 780	1500	220	495	60	200	955011 1000	2.299,–	955011 1002	2.299,–
1.50	1640 x 1280 x 1090	1500	250	495	60	200	955011 1500	2.609,–	955011 1501	2.609,–
							9107		9107	

BAUER Tipper with roller system

- **Compact tipper with roller system, good centre of gravity**
- **Tipping at any height by means of cable control from the forklift seat**
- **For all types of bulk material**
- **Load bearing capacity up to 1500 kg**
- Robust sheet steel design with circumferential edge profile
- Robust base frame with forklift pockets
- Designed to prevent accidental slipping and tipping off
- Painted RAL 5012 (light blue) or RAL 7005 (mouse grey)
- **Other RAL colours available on request**
- **Custom designs available on request**
- **Supplied with:** Tipper without castors (castors available on request)
- **Pricing:** free kerbside delivery within Germany







Standard version

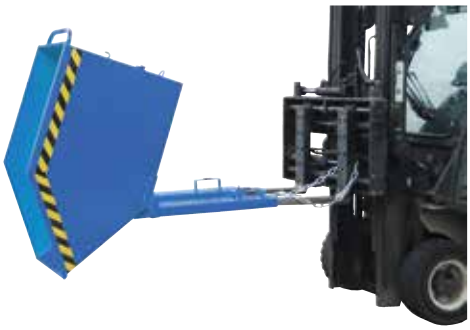
Contents m³	Length x width x height mm	Load bearing capacity kg	Weight kg	H mm	I mm	J mm	RAL 5012 art.no.	RAL 5012 €	RAL 7005 art.no.	RAL 7005 €
0.15	960 x 640 x 540	750	70	170	80	200	955001 0150	959,–	955001 0152	959,–
0.30	1260 x 770 x 835	750	112	300	80	200	955001 0300	989,–	955001 0301	989,–
0.60	1260 x 1070 x 835	1000	131	600	80	200	955001 0600	1.129,–	955001 0602	1.129,–
0.90	1260 x 1570 x 835	1000	173	600	80	200	955001 0900	1.259,–	955001 0901	1.259,–
1.20	1720 x 1070 x 1095	1500	200	600	80	200	955001 1200	1.359,–	955001 1202	1.359,–
1.70	1720 x 1570 x 1095	1500	240	600	80	200	955001 1700	1.929,–	955001 1701	1.929,–
2.10	1720 x 1870 x 1095	1500	265	600	80	200	955001 2100	2.119,–	955001 2102	2.119,–
							9107		9107	

Optional additional equipment

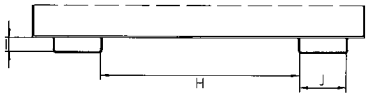
Designation	suitable for	art.no.	€
2 swivel and 2 fixed castors, 180 mm, load bearing capacity: 450 kg/castor	All	955003 0010	290,–
Welded oil and water-tight	Size 0.15 0.30 0.60 0.90 m³	955003 0020	109,–
Welded oil and water-tight	Size 1.20 1.70 2.10 m³	955003 0030	142,–
		9107	

BAUER Tipping troughs

- For collecting and disposing of bulk goods and industrial waste
- Strong sheet steel design with edge reinforcement
- Tippable trough with handle
- Base frame with profile steel forklift pockets, easy to move with a forklift
- Welded oil and water-tight
- Designed to prevent accidental slipping and tipping off
- Can be fitted with castors
- **Custom designs available on request**
- **Other RAL colours available on request**
- **Supplied with:** Tipping trough without castors, safety chain
- **Pricing:** free kerbside delivery within Germany



RAL 5012





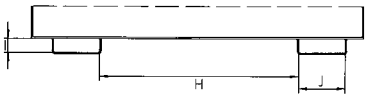




Box-shaped trough

- For collecting and separating liquids and solids
- Perforated plate insert for collecting chips
- Drain cock 1" for draining the liquids

Contents m³	Length x width x height mm	Pouring edge height mm	Load bearing capacity kg	Weight kg	H mm	I mm	J mm	RAL 5012 art.no.	€	RAL 7005 art.no.	€
0.25	1115 x 590 x 740	430	300	61	205	55	170	955017 0250	769,–	955036 0250	769,–
0.40	1320 x 670 x 840	484	300	75	285	55	170	955017 0400	889,–	955036 0400	889,–
0.60	1390 x 840 x 905	516	300	116	455	55	170	955017 0600	1.159,–	955036 0600	1.159,–
0.80	1420 x 910 x 975	556	300	127	525	55	170	955017 0800	1.259,–	955036 0800	1.259,–
1.00	1420 x 1110 x 975	556	300	140	725	55	170	955017 1000	1.339,–	955036 1000	1.339,–
								9107		9107	











Low trough

- For collecting and separating liquids and solids
- Perforated plate insert for collecting chips
- Drain cock 1" for draining the liquids

Contents m³	Length x width x height mm	Pouring edge height mm	Load bearing capacity kg	Weight kg	H mm	I mm	J mm	RAL 5012 art.no.	€	RAL 7005 art.no.	€
0.25	1375 x 670 x 530	527	300	64	285	55	170	955019 0250	739,–	955038 0250	769,–
0.40	1430 x 840 x 605	605	300	77	455	55	170	955019 0400	889,–	955038 0400	889,–
								9107		9107	

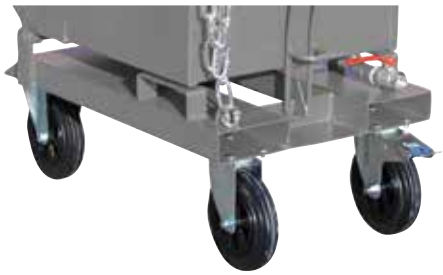
Cover for chip trough tipper

suitable for	art.no.	€
Chip tipping trough 0.25 m³	955036 0010	192,–
Chip tipping trough 0.40 m³	955036 0020	218,–
Chip tipping trough 0.60 m³	955036 0030	245,–
Chip tipping trough 0.80 m³	955036 0040	255,–
Chip tipping trough 1.00 m³	955036 0050	274,–
Chip tipping trough 0.40 m³, low trough	955038 0020	218,–
Chip tipping trough 0.25 m³, low trough	955038 0010	192,–
	9107	



BAUER Swivel and fixed castors for tipping troughs

- Swivel castor with wheel stop

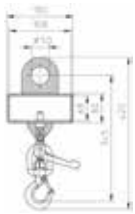


Designation	D mm	art.no.	€
2 swivel and 2 fixed castors made of polyamide, height 225 mm	180	955036 0060	290,–

9107

BAUER Forklift load hook

- Holding fixture with 1 or 2 fork arms
- Safety mechanism to prevent slipping off
- With rotating load hook
- Surface painted in RAL 2000 (yellow orange) or hot-dip galvanised
- **Free kerbside delivery within Germany**





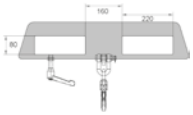
hot-dip galvanised

For lifting with 1 fork arm

- With eyelet for lifting by crane
- Forklift pocket inner dimensions A / B / C (mm): - / 168 / 68

Length x width x height mm	Load bearing capacity kg	Weight kg	Zinc plated art.no.	€
300 x 180 x 395	1000	10	958002 1000	317,–

9107



For lifting with 2 fork arms

- Also suitable for lifting trucks
- Forklift pocket inner dimensions A / B / C (mm): 160 / 220 / 80

Length x width x height mm	Load bearing capacity kg	Weight kg	Zinc plated art.no.	€
170 x 750 x 385	1500	23	958002 1500	539,–
170 x 750 x 425	2500	24	958002 2500	729,–
180 x 750 x 490	5000	34	958002 5000	1.139,–
180 x 750 x 555	7500	38	958002 7500	1.339,–

9107

BAUER Drum collection trays

- For storing drums and small containers
- Conformity declaration (ÜHP) in accordance with StawaR, approved for ignitable liquids of GHS categories 1-3 and aquatic pollutants of GHS categories 1-4
- Construction of 3 mm sheet steel, hot-galvanised
- **With galvanised grating (load bearing capacity 1000 kg/m²)**
- Ground clearance 100 mm
- **Pricing:** free kerbside delivery within Germany



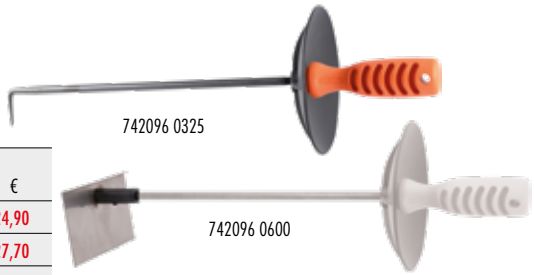
For 200 l drums

L mm	Width mm	Height mm	Weight kg	Collecting volumes l	Number of drums max.	art.no.	€
120	1200	365	72	215	2	956004 0002	500,–
120	1200	290	91	216	4	956004 0004	579,–
240	2400	250	132	222	4	956004 0005	919,–

9107

SARA® Chip hooks

- The affordable alternative
- Robust chip protection shield
- Optional chip scraper



Designation	art.no.	€
Chip hook 325 mm	742096 0325	24,90
Chip hook 525 mm	742096 0525	27,70
Chip scraper width 120 mm, height 65 mm	742096 0600	39,90
	7123	

SARA® Chip collector

Magnetic chip collector

- For the removal of magnetic chips and small parts
- Integrated permanent magnet
- Remove chips by pulling the handle out of the permanent magnet
- Shield at handle end to prevent injuries
- Automatic material separation
- Low weight: 554 g
- Magnet traction: 19.3 kg





D mm	L mm	art.no.	€
25	360 - 675	742095 0001	51,90
		7123	

ATORN Magnetic chip broom

- **For practical cleaning of floors in various working areas**
- Easy removal of any metal parts which are picked up thanks to the release mechanism on the handle
- Absorption capacity up to 9 kg
- Adjustable telescopic handle with length from 750 to 1050 mm
- Smooth-running plastic wheels





Width mm	L mm	art.no.	€
400	1050	742098 0001	145,–
		7101	