made in germany

SYSTEM LAB FURNITURE AND UNITS







QUALITY

FLEXIBILITY

FUNCTIONALITY efficient workplace.

DESIGN homogeneous style.

SYSTEM LAB FURNITURE	
Planning your lab	4–5
System details	6–7



FLOOR CABINETS		
Basic module	8-9	
Doors and drawers	10–13	
Work surface	14–17	

WALL CABINETS		
Shelves, utilities access	18–19	
Wall units	20-21	
		U I

LAB		
Combinations	22–23	-
Integration mounting	24–25	
Integration grinding/polishing	26-29	
Safety cabinets	30-31	



The concept of our system lab furniture is founded on 4 corner stones:

Criteria for our furniture are based on the exacting requirements of industry and laboratories. The combination of high-quality materials and carefully thought-out construction guarantees stability and lasting quality.

The ATM-system provides a customized and flexible platform for personal workspaces, entire buildings, and everything in between.

Archiving solutions and covered cable guides ensure a well-organized and

Clean lines and high-quality materials create a fascinating, timeless and



COMFORT AND FUNCTIONALITY

The Lab Furniture System combines tried & tested ATM quality with a fully thought-out and flexible modular system. Starting with the basic module in Aluminium, each single cabinet element can be fitted out with drawers, doors, inserts and upper structures.

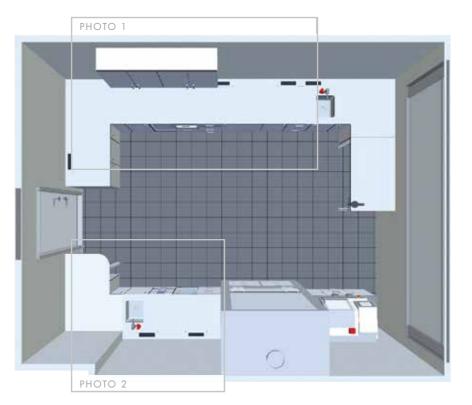
Special care in the construction can be seen in the detail: All furniture elements are screwed together and installed on site. The concept uses every centimeter to ensure optimum storage and use of working space. This furniture system can be either installed as free-standing or put to use in almost infinite combinations. The cabinet module can be moved with a pallet truck and then closed off by a skirting panel at the desired location.

ACCESS FOR UTILITIES

Conduit for utilities access is discreetly hidden inside the whole cabinet combination. Pillars for the shelving & wall units provide possibilities for integrating a range of different utilities.







LAB PLANNING





3D-PLANNING SOFTWARE View your new lab virtually! The ATM 3D Lab is a powerful computer program that allows you to view drawings of custom built equipment and laboratory layouts in a realistic, three dimensional format. We would like to get inspired by your vision and work out individual solutions in cooperation, perfectly fitting almost any floor plan and

demand.

quality demands - "Made in Germany" by ATM.

SYSTEM



After compiling a list of all materials and automatically generating a price quotation you can experience a scaled impression of your new workplace.

The furniture is completely manufactured in our company and meets highest

FRAMEWORK

WORK SURFACES

HANDLES

the highest of loading standards.

effect with their special powder-coating.

HPL

DECOR

request.

Bright & elegant appears the

combination of soft-grey

doors and drawers.

Aluminium framework and

highly-polished white HPL with

its characteristic black edges for

Other decors are available upon

Our framework elements are manufactured from powder-coated Aluminium. The neutral soft-grey is ideally suited for extraordinary decor. The removable skirting boards enable easy transport to other locations with a pallet truck.

With our carefully selected range of colours for work surface

recommended as standard for toughness and load-bearing

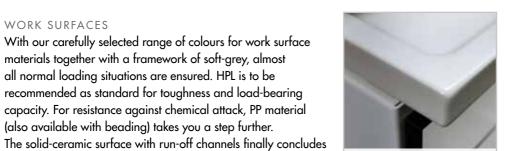
capacity. For resistance against chemical attack, PP material (also available with beading) takes you a step further.

Chrome-plated cast metal handles have an anti-microbiological

materials together with a framework of soft-grey, almost all normal loading situations are ensured. HPL is to be



TRANSPORT OPENING



SOLID-CERAMIC





SOFT CLOSING



BASIC MODULE

- ► Floor cabinets in 2 heights (800/900 mm)
- Concealed utility conduit

COMPARTMENTS

- ► Basic module 2 or 3-piece

DRAWERS AND DOORS Measurement unit 21 HT (800 mm) Measurement unit 24 HT (900 mm) ► Standard: highly-polished-HPL white with black edges Storage inserts such as disc storage or trash collector

WORK SURFACE

INSERTS

- ► Built-in sink

SHELVES AND WALL UNITS

- ► Stable, free-standing pillar construction
- ► Wall units with doors or swing-up flaps

HIGH PRESSURE LAMINATE (HPL) melamine.

sealed and easy to clean.



DETAILS

► Doors single and drawers 1-2 compartments

► HPL, PP or solid-ceramic, adapted to soft-grey

Functional elements, such as recirculation cooling, safety cabinet, system cooler integrated into basic module ► Unit-related inserts for mounting, grinding, polishing and cleaning

► Utilities conduit integrated inside pillars, concealed conduit access



Duroplastic HPL is produced by combining several layers of paper and resins under high pressure. Paper as a renewable raw material makes up about 60% of HPL. The top coating is made of robust and heat-resistant

In addition, it is especially shock- and wear-resistant. HPL has a higher durability than other conventional products. The surface is hygienically



BASIC MODULE 2-PARTS

BASIC MODULE 3-PARTS

880 mm

800 mm

A5810001

1320 mm A5810002

Width

Height

Width

Order No.

Order No.



900 mm

A5810003

A5810004

CORNER /800

CORNER CAB	INET	
Width/Depth		
Height	800 mm	900 mm
Order No.	A5810007	A5810008



END SECTION	RIGHT	
Width	1600 mm	
Height	800 mm	900 mm
Order No.	A5810011	A5810012
END SECTION	LEFT	
Order No.	A5810009	A5810010
	///////////////////////////////////////	7.0010010
ISLAND END S	ECTION	
Order No.	A5810013	A5810014













BASIC MODULE

Framework is available in 2-part or 3-part versions and in 2 different heights for working. Combined with the corner and end section solutions, it is possible to optimally adapt combinations into almost every space..

PANELS

Rear panels and utility ports at the side can be fitted with panelling, so that a closed appearance is presented. And if doors and drawers are to be fitted, then middle wall and front panel can be added to fit.

SUBCONSTRUCTION





Illustr. end stop right







DOORS

00010					
Width	440 mm				
Height	15 HT	18 HT	20 HT	21 HT (800 mm)	24 HT (900 mm)
End stop right					
Order No.	A5810047	A5810048	A5810243	A5810049	A5810050
End stop left					
Order No.	A5810043	A5810044	A5810242	A5810045	A5810046

TRAY INSERTS

Compartments	1	2	
Order No.	A5810082	A5810083	

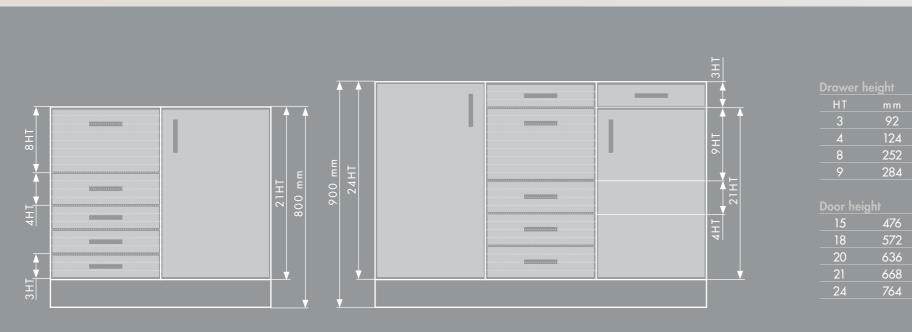


Illustr. end stop right



REVOLVING	SHELVES FOR CORNER	CABINET
Order No.	A5810072	A5810073

SYSTEM DOORS AND DRAWERS





HT-PRINCIPLE

The ATM-developed HT modular system enables extraordinary design coupled with a pleasing appearance. Unevenness and unsightly alignment can be minimized through a combination of the different module heights.

Drawers and doors can be fitted in all combinations up to 21 HT (800 mm) i.e. 24 HT (900 mm). Fixtures in the working surface can be fitted with either 3 HT or 6 HT panels.

SUBCONSTRUCTION



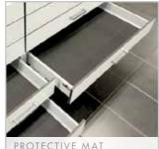




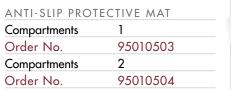




DRAWERS				
Height	3 HT	4 HT	8 HT	9 HT
Width	440 mm (1-part)			
Order No.	A5810029	A5810030	A5810031	A5810317
Width	880 mm (2-part)			
Order No.	A5810051	A5810052	A5810053	



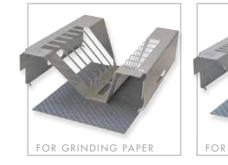
PROTECTIVE MAT



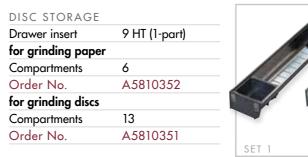












Set	1	2
Order No.	95040498	95010499
WASTE COLLE	CTOR	
WASTE COLLE Height	CTOR 15 HT	18 HT

SYSTEM DOORS AND DRAWERS



LIGHT AND SOFT CLOSING HINGES and softly.

The sturdy broad drawer (2-part) with its parallel slide rails is distortion-free and sturdy even if it is pulled out completely. Drawers use a self-closing system which closes softly & quietly and without slamming.

INSERTS

Inserts sit comfortably inside the drawers, are non-slip and can be freely positioned in the width. Stainless steel sinks are removable.

WASTE COLLECTION hidden from view.

SUBCONSTRUCTION





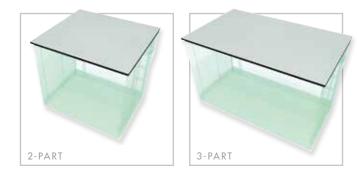
3	4
95010500	95010501

20 HT	21 HT
A5810270	A5810267



The latest hinge technology generation enables doors to be closed easily

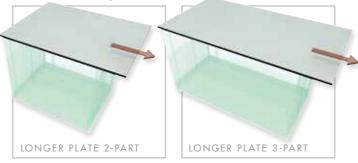
2 removable waste collectors have capacities of 8 and 17 liters and are



HPL-WORK SURFACE

Compartments	2	3
Order No.	A5810037	A5810041
for end section		
End section	left	right
Order No.	A5810115	A5810119

Illustr. extension to the right



for island end section		
Order No.	A5810208	
for corner cabine	et	
Order No.	A5810077	

WORKING	SURI	FACE	EXT
Compartmer	nts	2	
Extension le	ft		
Order No.		A	581
Extension rig	ght		
Order No.		Д	581



SYSTEM SURFACES





OTHER SURFACES

For extreme operating conditions on surfaces such as working with chemicals, we recommend working surfaces made from PP-, composite-ceramic or solid-ceramic. These are not presented here and have to be produced according to demand for such elements.

SPACE ADAPTATION

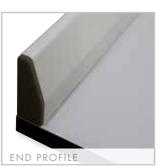
panel or door.

END PROFILE

A practical closure to the back wall is provided by an Aluminium profile, whose inner edge is sealed in position with a silicon-plastic strip.

SUBCONSTRUCTION





ENSION	
	3
0337	A5810339
0338	A5810340



An extension of the table top of up to 400 mm enables the closure of space between compartment end and wall. The front is completed with a

Illustr. mixing faucet

.

Illustr. arm-operated fittings & eye wash

UNDERMOUNT SINK

Undermount sink ceramic

1

2 left

Ceramic drop-in sink with draining board

A5810265

A5810054

05810436

undermount sink

SINKS

Compartments

Compartments

Order No.

Order No. Sink mat

Order No.

Sink

CERAMIC DROP-IN SINK

right

sink

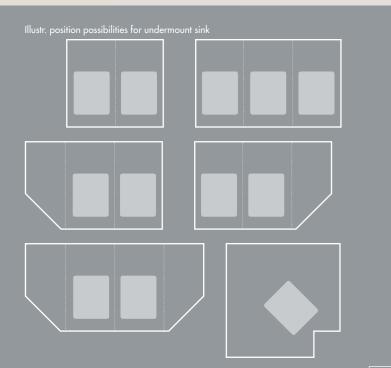
A5810055

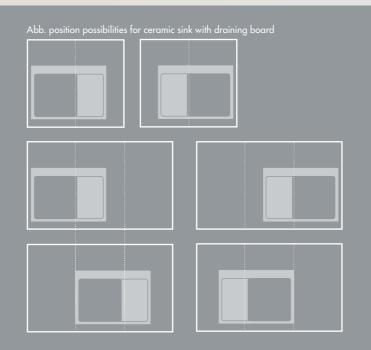
05810437

FITTING		
Mixing faucet	low pressure	high pressure
Order No.	A5800022	A5800023
Arm-operated fitt	ings	
Order No.	A5800475	
Eye wash		
Order No.	A5800045	



SYSTEM WORKING SURFACES











DROP-IN SINKS

The ceramic under-mount sink fits into one complete compartment. The ceramic drop-in sink needs 2 compartments. Both sinks need a height difference of 6 HT. It is a good idea to lay a protective mat in the base of the sink in order to protect the ceramic. When installing an under-mount sink into a fully ceramic worktop surface, run-off channels can be integrated into the ceramic.

SPECIAL SOLUTION

If the client so desires, a media interface from one of our office furniture sideboards to the lab furniture can be created, in order to carry the connecting cable invisibly to the ports.

SUBSTRUCTURE

0269	
0268	
0372	
0373	





Illustr. basic module 800





I	
ELF	CORNER SHELVES

SHELVES		
Height	1950 mm	
Basic module height	800 mm	900 mm
2-compartment shelf		
Order No.	A5810015	A5810016
3-compartment shelf		
Order No.	A5810017	A5810018
Corner shelf		
Order No.	A5810032	A5810033

BLANKING PAI	NELS
2-compartment s	ihelf
Order No.	A5810327
3-compartment s	shelf
Order No.	A5810328
Corner shelf	
Order No.	A5810329

Illustr. basic module 800, 2-part









Compartments	2	3
Length	713 mm	1113 mm
for shelves		
Order No.	A5810110	A5810109
for wall cabinets v	with swing doors	
Order No.	A5810251	A5810252
for wall cabinets v	with swing-up flaps	
Order No.	A5810108	A5810109

Corner	for shelves	
Length	2x 513 mm	
Order No.	A5810253	

SYSTEM SHELVES AND WALL UNITS





MEDIA PILLARS

Underneath the storage area the fronts of the pillars can be used at both sides and are easily accessible for media ports such as for electricity and switches for illumination. Unused media columns are masked out with HPL as in the shelves level.

Order No.

ILLUMINATION

the working area. The light switch is integrated into the media column.

ADAPTATION

If large pieces of equipment are to be positioned on the working surface, then the lower shelf can be optionally removed.

WALL MOUNTINGS



A5810095

MEDIA PANEL

Basic module height	800 mm	900 mm
Basic panel		
Order No.	A5810093	A58100
Light switch, 2x 230	V sockets	
Order No.	A5810092	A58100
3x 230 V sockets		
Order No.	A5810090	A58100
400 V und 2x 230 V	sockets	
Order No.	A5810091	A581009
3x 230 V sockets fus	sed	
Order No.	A5810094	A581008

A5810089

]
	_	1
		I
	L	l

Energy efficient LED lights under the upper structure generously illuminate

Illustr. basic module 800 with doors



1950 mm

800 mm

A5810100

A5810102

A5810249

2

WALL CABINET WITH SWING DOORS

Height

Order No.

Order No.

for compartments

Doors set

Order No.

Basic module height

2-part wall cabinet for doors

3-part wall cabinet for doors



900 mm

A5810101

A5810103

A5810250

3





CORNER CABINET WITH SWING DOORS AND CAROUSEL

Height	1950 mm		
Height basic module	800 mm	900 mm	
Corner with carouse	ł		
Order No.	A5810381	A5810382	
1-part wall cabinet			
Order No.	A8510383	A5810384	

Door left

Order No. A5810386 Door right Order No. A5810385 Swing door corner cabinet Order No. A5810387



Illustr. basic module 800 with swing-up flap



Height	1950 mm	
Basic module height	800 mm	900 mm
2-part wall cabinet f	or swing-up flap	
Order No.	A5810104	A5810105
3-part wall cabinet f	or swing-up flap	
Order No.	A5810106	A5810107
Flaps set		
for compartments	2	3
Order No.	A5810246	A5810247

SYSTEM SHELVES AND WALL UNITS



OPEN AND SWING UP position.

HANGING CABINETS AND SHELVES can be found in our office furniture program.

WALL MOUNTINGS









High quality moving components mean that doors and flaps can be closed softly. The easily-moving swing up mechanism stops in every opening

Suitable hanging cabinets and shelves instead of the System Lab equipment

Basic framework for equipment integration



BASIC FRAMEWORK FOR EQUIPMENT INTEGRATION

» suitable for system mounting press, surface grinders and grinding/polishing units		
Compartments	2	3
Order No.	A5810005	A5810006

Illustr. 2 compartments



BASIC ADAPTER ATTACHMENT

Compartments	2	3
Order No.	A5810315	A581010316

INTEGRATION

Functional elements and their connections disappear in the lab furniture. Mounting presses as well as grinding and polishing units can be completely integrated into the lab furniture with the right adapter attachment.



RECIRCULATION COOLING SYSTEM

» with insertion m	echanism	
» 2-chamber-PVC » inlet sieve with f	-compartment 45 Ltr. ilter bag	
Door height		
Order No.	A5800487	
Power supply	400V/50 Hz (3 Ph/PE)*	
WxHxD	366x540(640)x610 mm	



FUNCTION ELEMENTS even when the container is full.

MEDIA COVER

openings for the various media conduit systems.

USEFUL ACCESSORY

Vibration-sensitive measurement & testing equipment such as microscopes, hardness testing devices etc. demand special attention from their environment. The elastically cushioned hard stone plate minimises the effects of external vibrations and can be simply laid directly on top of the lab furniture.

SYSTEM COMBINATIONS



23

UNDER-SINK WATER BOILER Capacity 5 Liter 230 V/50 Hz Power supply A5800030 Order No.

The insertion mechanism of the wheeled re-circulatory cooling unit i.e. sedimentation container ensures ease of movement,

The cover behind the adapter attachment can be fitted with









ADAPTER ATTACHEMENT FOR SYSTEM-MOUNTING PRESSES

2	3
A5810320	A5810322
	2 A5810320

1-PART HPL-CO	VER
Order No.	A5810342





SYSTEM COOLING UNIT

» for table top mo	dels and System-application
Drawer height	18 HT
Order No.	A5810171
Power supply	230V/50 Hz (1Ph/N/PE)*
Cooling	0.81 kW
Motor	0.6 kW
Flow pressure	2.8 bar
Tank	6 Ltr.

Illustr. Opal 460



INSERT	OPAL 460	OPAL 480
Order No.	A5810294	A5810295
Mould	Ø 25.2 - 50 mm	Ø 50 - 70
Rectangular mould	-	30x60 / 40x60 n
Connected load	3.1 kVA	3.6 kVA
Power supply	230V/50 Hz (1Ph/N	/PE)*
Heating	4x 500 Watt	4x 630 Watt
Temperature range	0 - 200 °C	0 - 200 °C
Heating time	variable 0 - 30 min	variable 0 - 30 m
Cooling time	variable 0 - 30 min	variable 0 - 30 m
Max. pressure	up to 250 bar	up to 310 bar
	depend. on mould	depending on mo

SYSTEM-INTEGRATION MOUNTING



OPAL 460/OPAL 480 The fully automatic program sequence is performed exactly as with the table-top model. Parameters can be adjusted even during the mounting process at a comfortable working height.

- » easy opening & closing of the sliding closure
- water cooling (incl. water-saving function)
- and programmable process sequence
- » 4 different pressure modes can be selected
- heating curve
- » mould assemblies easy to change

* other power supply available



DOSING SYSTEM

mm nin nin ould

The swing arm dosing system with adapter for 5-liter bucket is to be recommended for mounting large numbers of samples. Mounting material can be filled with a pre-settable amount of 10-30 cm³ and free from dust, in which the dosing head is set directly onto the press filling orifice with the help of a swinging arm.



» fully automatic press sequence with automatic » electronic control with easy-to-read LCD panel » powerful heating system and infinitely adjustable



Illustr. 2-part

Illustr. 3-part



Compartments	2	3
Order No.	A5810319	A5810323



INSERT	SAPHIR 350	SAHIR 360
Order No.	A5810309	A5810310
Stations	single wheel	twin wheel
Working wheel	Ø 200 - 300 mm	Ø 200 - 300 mm
Connected load	2.3 kVA	4.6 kVA
Power supply	230V/50 Hz (1Ph/N/PE)*	
Speed	50 – 600 rpm	50 – 600 rpm

SAPHIR 350/SAPHIR 360

The specially strong, rpm-regulated drive allows high-loading applications for grinding & polishing processes coupled with dependable smooth running.

» impact resistant plastic sink

- » variable speed
- » LC-Display
- » automatic water switch-off
- » sink rinsing for cleaning and working wheel cooling





Illustration: basic module 800

SETTLING TANK

» with insertion mechanism » 2-chamber-PVC-compartment 45 Ltr.

800 mm
A5810261
A5810262

Basic module height 900 mm

Order No.	A5810237
Waste pipe bracket	
Order No.	A5810263

SYSTEM-INTEGRATION GRINDING & POLISHING





VARIATIONS

Grinding & polishing combinations are many as well as varied. Cut-outs for adapter attachments are ascertained using the ATM 3D-Labor-Software.

CLEANING STATION

FUNCTION ELEMENTS

* other mains supply connections possible

LAB





The cleaning station can be automatically driven by the head from the Rubin 530. This enables light & easy cleaning of samples with air and water as well as ethanol if required.

System sedimentation collector and dosing unit can be added.



CLEANING STATION

Illustr. sample holder / protective hood Illustr. covered sample holder





RUBIN 530

HEAD	RUBIN 520	RUBIN 530
incl. grinding inser	t Saphir 550	
Connected load	2,6 kVA	
Order No.	A5810311	A5810312
incl. grinding inser	t Saphir 560	
Connected load	5.2 kVA	
Order No.	A5810313	A5810314
Connected load	0.9 kVA	
Power supply	230V/50 Hz (1Ph/N/PE)*	230V/50 Hz (1Ph/N/PE)*
Single pressure	1 – 6 Proben, Ø 50 mm	-
Central pressure	depends on sample holder	depends on sample holder
Variable speed	30 – 150 rpm	20 –120 rpm
Pressure	variable	variable
Single pressure	5 – 100 N	-
Central pressure	20 – 400 N	50 – 450 N



SAPHIR 375		
Connected load	7 kVA	
Power supply	400V/50 Hz (3Ph/N/PE)*	
Grinding module		
Speed	1390 rpm	
Grinding stone	Ø 350 mm	
Ormany some		
Usable coating	30 mm	
Usable coating Grinding head Rubin	30 mm	
Usable coating Grinding head Rubin Central pressure	30 mm 530 sample holder Ø 160 – 204 mm	
Usable coating Grinding head Rubin	30 mm	
Usable coating Grinding head Rubin Central pressure	30 mm 530 sample holder Ø 160 – 204 mm	
Usable coating Grinding head Rubin Central pressure Variable speed	30 mm 530 sample holder Ø 160 – 204 mm 30 – 150 rpm	
Usable coating Grinding head Rubin Central pressure Variable speed Variable pressure Controlled removal	30 mm 530 sample holder Ø 160 – 204 mm 30 – 150 rpm 50 – 400 N 0.1 mm display precision	
Usable coating Grinding head Rubin Central pressure Variable speed Variable pressure	30 mm 530 sample holder Ø 160 – 204 mm 30 – 150 rpm 50 – 400 N	

SYSTEM-INTEGRATION GRINDING & POLISHING





RUBIN 520

The grinding & polishing head with single and central pressure is controlled via easy-to-read touch display.

- » automatic protective hood
- » electronic control
- » LED illumination
- » clockwise or anticlockwise

RUBIN 530

The grinding & polishing head with central pressure is controlled via easy-to-read touch display.

- » sample cover
- » electronic control
- » clockwise or anticlockwise

* other mains supply connections possible

SYSTEM SURFACE GRINDING UNIT

The robust free-standing grinder in System adaptation is suitable for effective and planar abrasion with a grinding stone. The grinding head of the Rubin 530 with central pressure is optimally adjustable in clockwise or anticlockwise directions with variable rpm and grinding pressure.

Abrasion measurement monitors the height with 0:1 mm display accuracy, thereby controlling the abrasion process. Use the easy-to-read touchscreen surface to set & store all relevant parameters.

- » automatic, interval-controlled abrasion device
- » fully encapsuled grinding wheel during the process
- » integrated recirculatory cooling



» memory-function for side and height adjustment

Illustration: basic module 800



ACID-BASE MODULE

Compartments	2	3
Basic module height	800 mm	
Order No.	A5810060	A5810058
Basic module height	900 mm	
Order No.	A5810061	A5810059

ACID-BASE MODULE

Functional system for storing acids and bases with air flow monitoring

- » outer body made of powder-coated Aluminium
- » inner frame made of melamin-coated HPL composite panel
- » doors and pull-out drawers made from resistant HPL solid material
- » removable collection tray made from PP plastic on each pull-out drawer
- » both swing-doors (ca. 100° opening angle) separately operated and lockable
- » external door hinges for protection against fumes from aggressive chemicals
- » ventilation per connection adapter (DN75) at the rear side of cabinet

Illustration: basic module 800



A5810239

SAFETY MODULE 3 Compartments 2 Basic module height 800 mm Order No. A5810240 A5810238 Basic module height 900 mm

A5810241

COMBINED INSERT

Order No.

Combination acid-bases & safety module		
Basic module height	800 mm	900 mm
Order No.	A5810273	A5810274

SYSTEM-INTEGRATION SAFETY CABINETS



STORAGE OF CHEMICALS System lab cabinets with air flow monitoring for storing acids, bases and dangerous chemicals have been specially designed for use in labs and naturally correspond to guidelines for safe and legally-binding storage regulations. This type of lab cabinet is especially suitable for the storage of flammable liquids.



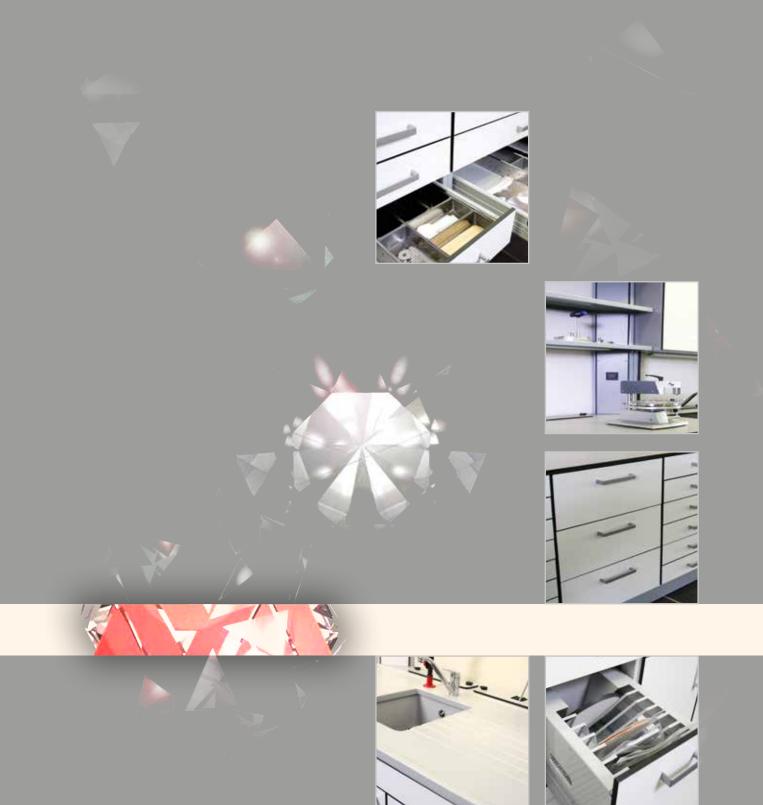
SAFETY MODULE

Functional system for storing flammable liquids with air flow monitoring

- » outer body made of powder-coated Aluminium
- » inner frame corresponds to fire resistance class F90 acc. to DIN 4102
- » safety in case of fire: self-closing of drawers and doors via integrated thermal release
- » doors and drawers separately operable and lockable
- » doors lockable in any position (ca. 135° opening angle)
- » cabinet interior completely visible
- » insert trays PE or PP, increased protection against corrosion; removable for easy cleaning
- » ventilation per connection adapter (DN75) at the rear side of cabinet







ATM GMBH Emil-Reinert-Str. 2 D-57636 Mammelzen

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