

Fresh, fragrant and clean air is unfortunately no longer a matter of course today. The advances in technology through industry, increasing traffic or other polluting influences are becoming more and more noticeable and affect our everyday lives. Health complaints such as headaches, nausea, general malaise and the so-called "sick building syndrome" are the consequences.

These symptoms are mainly caused by indoor air pollution, which would be:

- Unpleasant odor molecules
- Viruses and bacteria
- Pathogens and germs
- VOCs (Gases)
- Fungal spores and microorganisms
- Dust and other harmful particles

The ionization devices from ARS were specially designed to efficiently kill organisms that are harmful to health and to neutralize pollutants and odor molecules. Well-being and health are important goods and must be preserved, especially in closed rooms without air conditioning. The visually appealing ARS devices are user-friendly and easy to maintain.

There are various designs for rooms of different sizes and these can be installed and adjusted individually.

The principle of action is based on a natural process. The sun in general or lightning bolts generate positively and negatively charged small ions through electrical discharges from neutral oxygen molecules. We reproduce this process with our ionization tubes and use the positive effects specifically for you.

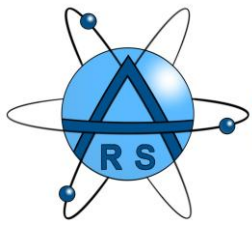
ARS Disinfection devices

Mini-A



Areas of application	Cold room, kitchens, pantries, living rooms, bedrooms, offices, reception halls, meeting rooms, smoking rooms, toilets, cellars, cars, ships, etc.
Dimensions LxWxH [mm]	130 x 47 x 32
Power connection via power supply unit	230V, 50/60 Hz, 12-24V, max. 1A
Power consumption	1.5W
Ionizing tube type	A-tube
Weight	Approx. 130g
Performance range / room volume	Depending on the air quality, up to a max. of 25m ³
Mounting options	On the wall, on the ceiling, hanging, lying
Color (outer housing)	White coated
Operating indicator	Blue diode

Variants	Article number	Power adapter	Article number
With adapter EU 230V - 12V	020010	Adapter EU 230V - 12V	020011
Without adapter	020012	Car adapter 12/24V	020025



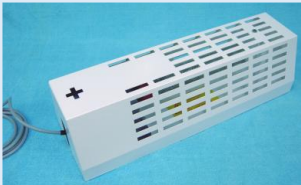
Mini-C



Areas of application	Food counters, cold rooms, kitchens, pantries, cellars, hotels, restaurants, toilets and much more
Dimensions LxWxH [mm]	300 x 70 x 70
Power consumption	2W
Ionizing tube type	C-tube
Weight	Approx. 850g
Performance range / room volume	Depending on the air quality, up to a max. of 25m ³
Mounting options	On the wall, on the ceiling, hanging, lying
Color (outer housing)	White coated or stainless steel

Variant	Power connection	Article number	Power connection	Article number
White	100V, 50/60Hz	020005	230V, 50/60Hz CH-Plug	020002
	120V, 50/60Hz	020006	230V, 50/60Hz EU-Plug	020003
Stainless steel	100V, 50/60Hz	020008	230V, 50/60Hz CH-Plug	020001
	120V, 50/60Hz	020009	230V, 50/60Hz EU-Plug	020007

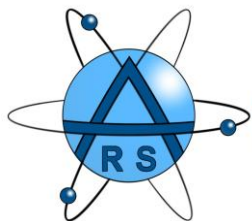
4-D/E/E2/F



Areas of application	Food counters, fridges
Fuse	0.2A slow, 20x5mm
Color (outer housing)	White coated
Mounting options	Wall, ceiling, hanging, lying

Device type	4-D	4-E	4-E2	4-F
Dimensions LxWxH [mm]	470 x 160 x 140	550 x 160 x 140	550 x 228 x 145	700 x 160 x 140
Power consumption	6W		10W	
Ionizing tube type	1 x D-tube	1 x E-tube	2 x E-tubes	1 x F-tube
Weight	Approx. 2.5kg		Approx. 5.5kg	Approx. 3.0kg
Performance range	Room volume cold room			
General cold room	Up to 25m ³	Up to 40m ³	Up to 105m ³	Up to 80m ³
Meat, fish	Up to 15m ³	Up to 25m ³	Up to 65m ³	Up to 50m ³
Cheese, butter, eggs	Up to 20m ³	Up to 35m ³	Up to 80m ³	Up to 60m ³
Fruits, vegetables	Up to 30m ³	Up to 40m ³	Up to 105m ³	Up to 80m ³
Container room	Up to 15m ³	Up to 30m ³	Up to 65m ³	Up to 50m ³

Power connection	Article number			
	4-D	4-E	4-E2	4-F
100V, 50/60Hz	000022	000027	000032	000037
120V, 50/60Hz	000023	000028	000033	000038
230V, 50/60Hz CH- Plug	000021	000025	000030	000035
230V, 50/60Hz EU- Plug	000020	000026	000031	000036



ARS Clean air devices

Mini Tower



Areas of application	Living areas, offices, meeting rooms, kitchens, caravans and much more.
Dimensions LxWxH [mm]	55 x 55 x 300
Power connection	230V, 50/60Hz
Power consumption	2.5 – 3.5W
Ionizing tube type	A-tube
Room volume	105m ³
Fan + controller	Can be switched off (readjustment), 0% - 100% stepless
Color (outer housing)	Chrome matt
LED interior lighting	Blue
Weight	Approx. 800g

Variants	Article number	Adapter	Article number
With adapter EU 230V - 12V	020100	Adapter EU 230V - 12V	020011
Without adapter	020101	Car adapter 12/24V	020025

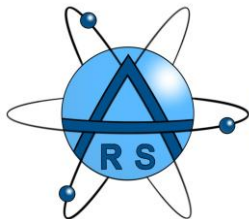
7-D/E



Areas of application	Doctors' offices, offices, waiting rooms, hotels, restaurants, apartments
Dimensions LxWxH [mm]	580 x 145 x 240
Power consumption	35W
Fuse	0.5/0.2A slow, 20x5mm
Ventilation	Cross-flow fan, 10-speed
Filter LxWxH [mm]	575 x 125 x 25 (2-ply)
Weight	Approx. 7.5kg

Device type	7-D	7-E
Ionizing tube type	1 x D-tube	1 x E-tube
Air preparation [m³/h]	190	300

Power connection	Article number	
	7-D	7-E
100V, 50/60Hz	000007	000008
120V, 50/60Hz	000009	000010
230V, 50/60Hz CH-Plug	000005	000006
230V, 50/60Hz EU-Plug	000011	000012



70-E

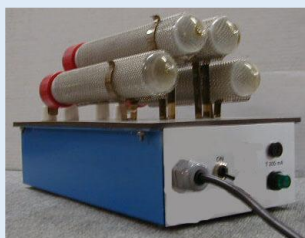


Areas of application	Wastewater treatment plants, exhaust air disposal, after fire and water damage, storage rooms, etc.
Dimensions LxWxH [mm]	600 x 270 x 410
Power consumption	40 - 165W
Power / ionization fuse	1 x 1.5A / 2 x 0.2A
Ionizing tube type	5 x E-tubes
Performance range	300-1600m ³ Room volume
Ventilation	1600m ³ /h, 5-stage radial fan
Filter LxWxH [mm]	570 x 375 x 22 (2-ply)
Weight	Approx. 15kg
Color	Blue (Default)

Power connection	Article number	Power connection	Article number
100-120V, 50/60Hz	000102	230V, 50/60Hz CH-Plug	000101
		230V, 50/60Hz EU-Plug	000103

ARS Built-in elements

5-D4



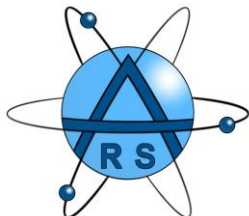
Areas of application	Air conditioning and ventilation systems, supply and exhaust air ducts in industrial and administrative buildings, offices, trains, planes, ships, sewage treatment systems, exhaust air disposal, etc.
Dimensions LxWxH [mm]	335 x 185 x 195
Power consumption	30W
Fuse	1 x 0.2A slow
Ionizing tube type	4 x D-tubes, lying
Air preparation [m³/h]	1750
Height in the air duct [mm]	95
Weight	Approx. 4.5kg

Power connection	Article number	Power connection	Article number
100V, 50/60Hz	000041	230V, 50/60Hz CH-Plug	000040
120V, 50/60Hz	000042	230V, 50/60Hz EU-Plug	000043

Equipment

Installation frame for air duct

Art.-No.: 600510 Frame to 5-xx



5- C8/D8/E6/E8/F6/F8

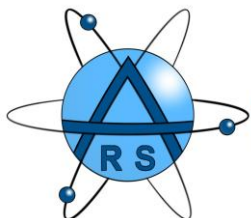


Areas of application	Air conditioning and ventilation systems, supply and exhaust air ducts in industrial and administrative buildings, offices, trains, planes, ships, sewage treatment systems, exhaust air disposal, etc.
Fuse	1 x 0.2A slow
Tube position	standing

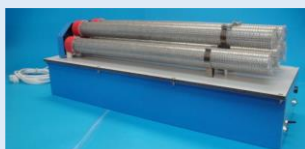
Device type	5-C8	5-D8	5-E6	5-E8	5-F6	5-F8
Dimensions LxWxH [mm]	335 x 185 x 310	335 x 185 x 385	335 x 185 x 485	335 x 185 x 485	335 x 185 x 650	
Power consumption	30W		70W			
Ionizing tube type	8 x C	8 x D	6 x E	8 x E	6 x F	8 x F
Air preparation [m³/h]	2000	3000	3500	5000	6000	7500
Height in the air duct [mm]	200	275	375		535	
Weight	Approx. 4.5kg	Approx. 5.5kg	Approx. 6.0kg	Approx. 6.5kg	Approx. 7.5kg	

Power connection	Article number					
	5-C8	5-D8	5-E6	5-E8	5-F6	5-F8
100V, 50/60Hz	000046	000051	000054	000056	000059	000061
120V, 50/60Hz	000048	000052	000094	000057	000098	000063
230V, 50/60Hz CH-Plug	000045	000050	000053	000055	000058	000060
230V, 50/60Hz EU-Plug	000047	000049	000093	000064	000097	000062

Equipment	Installation frame for air duct	
	Art.-No.: 600510	Frame to 5-xx



50-F4/F5



Areas of application

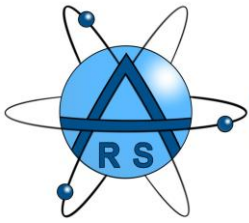
Air conditioning and ventilation systems, supply and exhaust air ducts in industrial and administrative buildings, offices, trains, planes, ships, sewage treatment systems, exhaust air disposal, etc.

Dimensions LxWxH [mm]	620 x 220 x 210
Power consumption	35W
Tube position	lying
Height in the air duct [mm]	95
Weight	Approx. 7.5kg

Device type	50-F4	50-F5
Art.-No.:	00.0069	00.0070
Fuse	1 x 0.2A	2 x 0.2A
Ionizing tube type	4 x F-tubes	5 x F-tubes
Air preparation [m³/h]	4000	5000

Power connection	Article number	
	50-F4	50-F5
100V, 50/60Hz	000066	000073
120V, 50/60Hz	000067	000072
230V, 50/60Hz CH-Plug	000069	000070
230V, 50/60Hz EU-Plug	000068	000076

Equipment	Installation frame for air duct	
	Art.-No.: 600520	Frame to 50-xx



50- E10/F10/F15



Areas of application

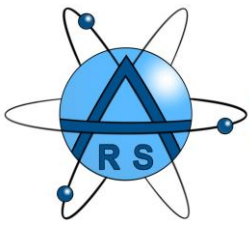
Air conditioning and ventilation systems, supply and exhaust air ducts in industrial and administrative buildings, offices, trains, planes, ships, sewage treatment systems, exhaust air disposal, etc.

Fuse	2 x 0.5A
Tube position	standing

Device type	50-E10	50-F10	50-F15
Dimensions LxWxH [mm]	620 x 220 x 485	620 x 220 x 640	
Power consumption	70W		105W
Ionizing tube type	10 x E	10 x F	15 x F
Air preparation [m³/h]	6200	10000	15000
Height in the air duct [mm]	375	535	
Weight	Approx. 13.5kg	Approx. 14.5kg	Approx. 18.5kg

Power connection	Article number		
	50-E10	50-F10	50-F15
100V, 50/60Hz	000081	000086	000089
120V, 50/60Hz	000079	000084	000088
230V, 50/60Hz CH-Plug	000080	000085	000087
230V, 50/60Hz EU-Plug	000082	000083	000091

Equipment	Installation frame for air duct	
	Art.-No.: 600520	Frame to 50-xx




ARS channel modules

General

Areas of application	Air conditioning and ventilation systems, supply and exhaust air ducts in industrial and administrative buildings, offices, trains, planes, ships, buses, etc.
Fuse	1 x 0.5A
Power consumption	5-10W, depending on the tube length
Height in the air duct [mm]	According to the tube length


Possible types of ionization tubes	No. of tubes	C	D	E	F
Air performance [m³/h]	1	250	380	620	990
	2	400	720	1120	1800
	3	670	1000	1650	2640

GHM-250

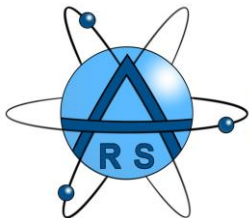
	Dimensions LxWxH [mm]	70 x 60 x 70 (without tubes)
	Flow	V _{max} = 20 m/s
	Air flow through tube	V _{min} = 4 - 20 m/s
	Mounting	Frontal with installation frame
	Weight	Approx. 750g
	Accessories / scope of delivery	Standard delivery without frame and tube
	Associated frame	305210

Power connection	Article number	Power connection	Article number
100V, 50/60Hz	305085	230V, 50/60Hz CH-Plug	305089
120V, 50/60Hz	305087	230V, 50/60Hz EU-Plug	305088

GHM-400

	Dimensions LxWxH [mm]	70 x 60 x 70 (without tubes)
	Flow	V _{max} = 20 m/s
	Air flow through tube	V _{min} = 4 - 20 m/s
	Mounting	At the side with screws
	Weight	Approx. 750g
	Accessories / scope of delivery	Standard delivery without tube

Power connection	Article number	Power connection	Article number
100V, 50/60Hz	305092	230V, 50/60Hz CH-Plug	305090
120V, 50/60Hz	305093	230V, 50/60Hz EU-Plug	305091



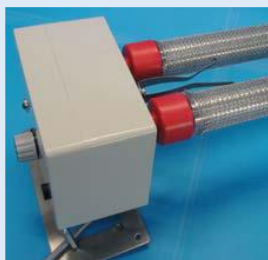
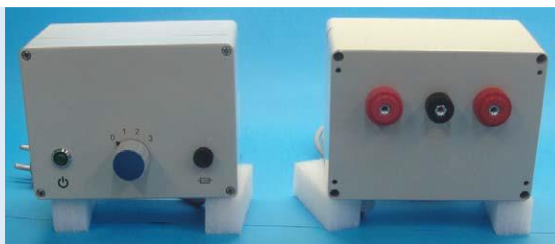
GHM-500



Dimensions LxWxH [mm]	160 x 80 x 85 (95) (without tubes)
Flow	Vmax = 15 m/s
Air flow through tube	Vmin = 2 - 15 m/s
Mounting	Frontal with screws
Operating indicator	2 x green LED
Weight	Approx. 1.85kg
Accessories / scope of delivery	Standard delivery without tubes
Associated frame	305220

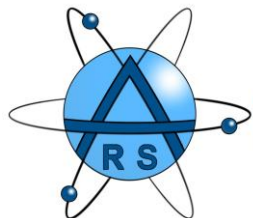
Power connection	Article number	Power connection	Article number
100V, 50/60Hz	305095	230V, 50/60Hz CH-Plug	305098
120V, 50/60Hz	305097	230V, 50/60Hz EU-Plug	305099

GHM-600



Dimensions LxWxH [mm]	160 x 90 x 120 (without tubes)
Flow	Vmax = 12 m/s
Air flow through tube	Vmin = 2 - 12 m/s
Mounting	At the side with installation frame
Operating indicator	1 x green LED
Weight	Approx. 2.1kg
Accessories / scope of delivery	<ul style="list-style-type: none"> Standard delivery with installation frame, but without tube Including 3-position switch
Associated frame	305225

Power connection	Article number	Power connection	Article number
100V, 50/60Hz	305110	230V, 50/60Hz CH-Plug	305114
120V, 50/60Hz	305112	230V, 50/60Hz EU-Plug	305116

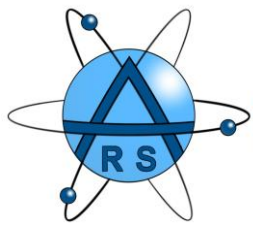


GHM-630



Dimensions LxWxH [mm]	120 x 90 x 200 (without tubes)
Flow	Vmax = 12 m/s
Air flow through tube	Vmin = 2 - 12 m/s
Mounting	At the side with installation frame
Operating indicator	1 x green LED
Weight	Approx. 2.25kg
Accessories / scope of delivery	<ul style="list-style-type: none">• Standard delivery with installation frame, but without tube• Including 3-position switch
Associated frame	305230

Power connection	Article number	Power connection	Article number
100V, 50/60Hz	305120	230V, 50/60Hz CH-Plug	305124
120V, 50/60Hz	305122	230V, 50/60Hz EU-Plug	305126



Accessories

Ionization tube

The original ionization tube or also called coronary tube used in all ARS - ionization units is made of high-quality material in single handwork. It differs from copied and imitated tubes by the following differences:

Tube socket

- V₀ fire protection class, fittings and stainless steel threaded bolts are resistant to acid, oil and moisture

Glass tube

- Quartz glass is used for the glass tube, not Duran. The processing is very complicated and complex and therefore more expensive than Duran, but guarantees the highest quality

Metal components

- The inner metallic components are made of aluminum, the outer ones are made of stainless steel. The high voltage transmission to the anode grid is made with a contact spring stamped from a high quality metal alloy

Silicone (optional)

- The applied high-performance silicone on the glass bulb facilitates the disassembly & assembly of the grid, ensures an increased ion output and additionally protects the glass from deposits and resulting damage

The measured ion output at the tube (distance: 10 mm) is: 650'000 to 950'000 ions / cm³.
The ion production depends on the room temperature and humidity.

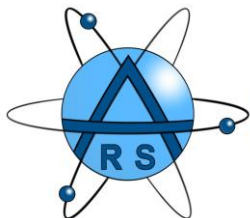
A coronary plasma field is generated at the tube outer grid by the high voltage, which releases its energy into the ambient air. This creates bi-polar air ions, with proven more negative ions being generated.

The ARS ionization tube is environmentally friendly and fully recyclable.



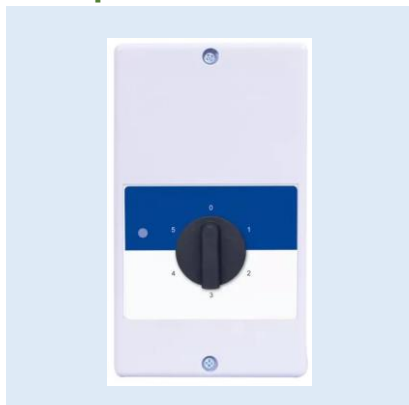
Technical Data

Type	Article number	Length [mm]	Ø Socket [mm]	Ø Glass + outer grid [mm]	Weight [g]
A	100035	45	14	Approx. 12	8
B	100036	120	45	Approx. 40	79
CM	100058	150			89
C	100037	200			122
D	100038	250			140
E	100039	370			195
F	100040	535			267



ARS Control technology

5-step-switch



Areas of application	The 5-stage transformer-based control units are best suited for voltage-controllable consumers. Depending on the type, several ionisation units can be connected to each other and controlled manually.
Mains voltage	1 – 230V, 50/60Hz
Output voltages (at 230V)	65V – 110V – 135V – 170V – 230V
Max. load additional contact	1A
Max. ambient temperature	+40°C
Protection class	IP 54

Type	Article number	Rated current	Housing material	Max. dissipation	Dimensions [mm]	Weight
RE-150	001010	1.5A	Made entirely of ABS	Approx. 20W	105x180x98	2.0kg
RE-200	001020	2.0A	Upper part: ABS / Lower part: Wellamid		Approx. 30W	166x230x118
RE-350	001040	3.5A		3.5kg		
RE-600	001050	6.0A		5.0kg		

Our sales partner www.airclean.ch will be happy to provide you with additional information material, open questions about the technology or other devices, as well as for a consultation. Just get in touch with them!