



GEHEIT

NIEDERDRUCK FÜR HÖCHSTE ANSPRÜCHE

GEHEIT PROFESSIONAL HVLP SPRAY EQUIPMENT

GEHEIT
HVLP Made in Germany



A WIDE RANGE OF TECHNICALLY ADVANCED PRODUCTS, TRUSTED ENGINEERING SOLUTIONS, PROFESSIONAL SERVICE

Geheit low pressure spray units are the assortment of high-performance equipment with innovative system solutions. Thanks to the wide variety of tools, supplies and accessories we offer, our equipment can satisfy any customer's taste and is suitable for various tasks.

Our know-how and more than seventy years of experience in the field of paint and coating application are the keys to high quality and reliability of our products. The smart technologies we use when fabricating our products, enable our customers from different manufacturing and construction areas to reach better effect in work and to use consumables with greater economy.

When developing and improving the design of our spray units, we are focused above all on the requirements of our customers.

Practice brings us closer to Perfection.

Geheit Spray Units find application in the broad spectrum of professional fields:

- painting works, which include the coating of vehicles;
- joiner works;
- finishing works, as well in construction of exhibition stands;
- building and construction works, as well in metal works;
- practical mechanics;
- ship-building works;
- road-building works;
- design works, including the application of drawings, patterns, creation of relief surfaces etc.

Innovative application possibilities. The units have proved itself to be the perfect devices for application of such contemporary and high-technology coatings as:

- nanotechnology-based materials;
- coatings for glass surfaces (e.g., in shower cabins)
- protective coatings (as well with photocatalytic effect)
- protective coatings for categories C5-I, C5-M: industrial zones, coastal and marine areas.

up to 75% less paint is needed
less overspray
improved coating and reduced drying time
precise painting



HIGH VOLUME LOW PRESSURE- HVLP - SPRAY PAINTING TECHNOLOGY WITH MANY ADVANTAGES

HVLP (High Volume Low Pressure) spraying technology means spraying under low pressure, but with high volume of supplied air. The technology has many advantages over high pressure spraying. Air is sucked in and softly pressurized, pushed through in a large volume to the spray gun by means of centrifugal blower. This results in a steady cone-shaped flow of air at the spray head, which does not eject the paint under pressure, but causes it to flow as minute particles. An air gap is formed between the spray gun and the work piece, which stabilizes the particle flow reducing misting to a minimum and putting an even coat quickly and accurately on the surface. Due to warm air flow supplied to the gun, the adhesion of particles to the surface is significantly improved, coating density applied to the surface increases, as a result the material drying time is reduced.

Up to 75% of paint material can be saved due to a small amount of paint mist. Expensive coating and equipment cleaning costs are decreased. In addition, when using solvent-based materials, less aggressive particles are released into the surrounding air. Health hazards when spraying materials are significantly reduced.

Continuous air pressure / flow rate regulation allows optimal coating works with wide range application of almost all possible sprayable materials. Spraying technology also allows to consider special features of surface structure.

HVLP technology from Geheit is truly universal:

- + suitable for virtually all sprayable materials.

Geheit HVLP technology application is reasonable and cost effective:

- + higher output rate;
- + reduced set up and cleaning times;
- + reduced maintenance costs;
- + light weight, portable equipment;
- + increased economical efficiency, significantly faster than using rollers and paintbrushes, essentially less paint used than when spraying with high pressure compressors.

HVLP technology from Geheit is environmental friendly and costs saving:

- + practically no paint leaks and minimal material loss during spraying;
- + „low misty“ spray;
- + minimal overspray and material waste: with proper application paint transfer coefficient reaches up to 90%;
- + possible to paint without exhaust system;
- + **100% pure air without oil and condensate** improves coating quality and reduces drying time;
- + perfect for decorative and design works;
- + unique and easy to use system of infinitely variable motor blower regulation;
- + optimized operating pressure / volume of air supply ratio;
- + HVLP technology complies with VOC (volatile organic compounds) regulations;
- + perfect for coating of hard-to-reach surfaces;
- + low power consumption as a result of low pressure generation;
- + ideal for small room finishing (as well for repair works).

High Volume Low Pressure spraying (HVLP) = 0,1 - 0,7 bar

PROFESSIONAL UNITS FOR THE MOST SOPHISTICATED CLIENTS

Easy to use: turn it on and start Your work.
Achieve the professional result even without special skills.

You receive our professional spraying units in safe transport package, the professional set for painting includes: high-performance low-pressure blower of preferred model type, spray gun PN 1A or PN 2A, six-meter air hose, dipper for viscosity checks, carrying strap (only for SG90) and spare intake filter for air filtration. You can also order additionally special spray gun PN 5, extra nozzles from 0,2 to 9,5 mm dia, such useful tools and accessories as flexible joint and angular connector, extension pipe 300 mm long, spray gun stand, back-pack for carrying SG90 unit etc.

ABAC Spray Unit SG 90 electric



Low-pressure spray unit

Everything you need to start Your work immediately.

Scope of supply

Adjustable low-pressure motor blower with continuous pressure-regulation and 5 m connecting cable.
Spray gun PN 2A with continuous air supply, including paint container 0,7 l., 3 nozzles 1-1,5 and 2 mm dia, nozzle spanner.
Special air hose 6 m.
Carrying strap.
Dipper for viscosity checks.
1 spare intake filter.

Technical data

230 Volt A.C., 50/60 Hz, motor power 1130 Watt, air flow rate 2300 l/min., max pressure 0,22 bar, sound level 80 dB (A), unit weight 7,9 kg.

Identification No

BJ 370 000 1000.

ABAC Spray Unit SG 2000 electric



Low-pressure spray unit

Ergonomic paint sprayer in a practical design for the construction site. Includes tools and accessories, supplied in styropor packaging.

Scope of supply

Adjustable low-pressure motor blower with continuous pressure-regulation and 5 m connecting cable.
Spray gun PN 1A with intermittent air supply, including paint container 0,7 l., 3 nozzles 1-1,5 and 2 mm dia, nozzle spanner.
Special air hose 6 m.
Dipper for viscosity checks.
2 spare intake filters.

Technical data

230 Volt A.C., 50/60 Hz, motor power 1200 Watt, air flow rate 2800 l/min., max pressure 0,31 bar, sound level 81 dB (A), unit weight 9,2 kg.

Identification No

BJ 380 200 0010

ABAC Spray Unit SG 2500 electric



Low-pressure spray unit

The professional paint sprayer, allows to coat efficiently all types of surfaces, proven and reliable technology, ideal spray pattern and optimized noise reduction system.

Scope of supply

Adjustable low-pressure motor blower with continuous pressure / flow rate regulation and 5 m connecting cable, in a robust sheet metal housing.
Spray gun PN 1A with intermittent air supply, including paint container 0,7 l., 3 nozzles 1-1,5 and 2 mm dia, nozzle spanner.
Special air hose 6 m.
Dipper for viscosity checks.
2 spare intake filters.

Technical data

230 Volt A.C., 50/60 Hz, motor power 1500 Watt, air flow rate 2700 l/min., max pressure 0,35 bar, sound level 74 dB (A), unit weight 12,5 kg.

Identification No

BJ 380 550 0000

ABAC SG 90 ELECTRONIC



Low-pressure motor blower for spray units

Universal motor blower for all beginners, easy to operate and convenient to use as a part of spraying unit to perform coating. Easy to transport with carrying strap or back-pack, which are supplied as an option and are available on request. Combines optimal technical solutions with modern, practical design.

! Can only be combined with continuous air supply spray guns (PN 2A, PN 5).

Scope of supply

Low-pressure motor blower with continuous pressure / flow rate regulation, with 5 m. connecting cable and 1 spare intake filter.

Technical Data

230 Volt A.C., 50/60 Hz,
motor power 1130 Watt,
air flow rate 2300 l/min.,
max. pressure 0,22 bar,
sound level 80 dB (A),
blower weight 4,3 kg.

Identification No

BJ 370 000 0002

ABAC SG 2000 ELECTRONIC



Low-pressure motor blower for spray units

Time proved motor blower, with which you will easily and with no trouble achieve the best results in paint spraying. Optimal technical solutions provide a large filtration area, which contributes to the effective cooling of motor and ensures a high degree of air purity.

Scope of supply

Low-pressure motor blower with continuous pressure / flow rate regulation, with 5 m. connecting cable and 1 spare intake filter.

Technical Data

230 Volt A.C., 50/60 Hz,
motor power 1200 Watt,
air flow rate 2800 l/min.,
max. pressure 0,31 bar,
sound level 81 dB (A),
blower weight 5,3 kg.

Identification No

BJ 380 000 0000

ABAC SG 2500 ELECTRONIC



Low-pressure motor blower for spray units

The professional high-efficient motor blower performed in robust construction with improved noise suppression.

Scope of supply

Low-pressure motor blower with continuous pressure / flow rate regulation, with 5 m. connecting cable and 1 spare intake filter, in robust sheet metal housing.

Technical Data

230 Volt A.C., 50/60 Hz,
motor power 1500 Watt,
air flow rate 2700 l/min.,
max. pressure 0,35 bar,
sound level 74 dB (A),
blower weight 9,7 kg.

Identification No

BJ 380 501 0000

ABAC SG 3001 ELECTRONIC



Low-pressure motor blower for spray units

The most powerful low-pressure motor blower in our range, which is universal in stationary mode of operation and mobile in case of use on the construction site. Suitable for many HVLP users.

Scope of supply

Low-pressure motor blower with continuous pressure / flow rate regulation, with 5 m. connecting cable and spare intake filter.

Technical Data

230 Volt A.C., 50/60 Hz,
motor power 1600 Watt,
air flow rate 3000 l/min.,
max. pressure 0,43 bar,
sound level 75 dB (A),
blower weight 16,5 kg.

Identification No

BJ 380 401 0030

THINK OUT
FOR THE BEST RESULTS



Solutions, which make work easier

Spray gun stand to place the gun during work interruptions or to fill the paint container with new portion of coating material.

Dipper to measure material viscosity in the most convenient and optimal manner.

PRACTICE BRINGS US CLOSER TO PERFECTION.
INNOVATIVE DETAILS, TESTED THOUSANDS OF TIMES IN
EVERYDAY WORK

1. Back-pack to carry ABAC SG90 Spray Unit
2. Feed pipe for paint spray guns PN 1A and PN 2A
3. Dipper for viscosity checks
4. Pressure transducer for spray guns PN 5 and PN 2A to connect to high-pressure blowers
5. Extension pipe for spray guns PN 1A and PN 2A, with possibility of spraying at right angles
6. Extension pipes 200 and 500 mm long with 3 mm nozzle for spray guns PN 1A и PN 2A
7. Spray gun stand
8. Wall hook for spray guns
9. Carrying strap for ABAC SG90 unit
10. Flexible joint for spray guns PN 1A and PN 2A
11. Additional nozzles from 0,2 to 9,5 mm dia.
12. Angular connector for special spray gun PN 5
13. Aluminium paint container 2,5l. for special spray gun PN 5
14. Special air hose 2 m, 3 m, 4 m, 6 m long



MAKE THE RIGHT CHOICE: USE SUITABLE SPRAY GUN DEPENDING ON THE TASK

No matter what material is to be applied or what surface to be treated - walls, ceilings, handrails, grids, doors or gates, truss or load-bearing constructions with many joints and corners, hard-to-reach radiator surfaces or fancy furniture surfaces, trucks or construction vehicles - Geheit spray gun is the best tool for any purpose of application. This ecofriendly equipment allows You to spray materials with a very small amount of paint mist, substantially saves Your time in comparison with roller or brush application. Low weight and well-thought-out ergonomics of our spray guns turn paint and lacquer application

process into a comfortable and pleasant activity. You can afford working for the longest time without fatigue. The design with pain container on the top of spray gun housing provides higher pressure and better flow of paint material. More precise application, minimal overspray and small amount of paint mist minimize the time-consuming preparation works in regard to surrounding surface protection. With ABACspray guns you can get neatly painted surfaces of the highest quality within the shortest possible period of time.

Spray Gun PN 1 A



Universal spray gun for a large variety of coating materials, with intermittent air supply. Plenty of additional nozzles from 0,2 to 3,0 mm in diameter significantly extend the scope of supply of this gun. The basic set for each professional. The lid of paint container is equipped with a duckbill valve to prevent material leak.

Spray Gun PN 2 A



Universal spray gun for a large variety of coating materials, with continuous air supply. Plenty of additional nozzles from 0,2 to 3,0 mm in diameter significantly extend the scope of supply of this gun. The lid of paint container is equipped with a duckbill valve to prevent material leak.

Special Spray Gun PN 5



Special spray gun with a wide range of application, can be used for coating with color effect paints, woodchip wallpapers, liquid plasters, filling primers, and etc. 4 nozzles, 3 different air heads, ergonomic thermo insulating handle with built-in air regulator. The standard package includes 1,5 l paint container. Additionally a 2.5 l paint container is supplied. With a help of this gun the treatment of most surfaces is no longer a problem.

Spray Gun for dry chips and flakes PN 6/14 and 6/25



Innovative spray gun for dry chips and flakes, designed for smooth application of dry chips and plastic flakes with particles of different sizes and / or made of different materials. May be used as a part of all ABAC units.

Plaster Spray Gun 429 N



Plaster spray gun is designed for plaster application with a maximum particle size of up to 3 mm, as well for woodchip wallpapers and high-viscosity materials. To spray materials of different texture, three replacement nozzles 4,5; 6 and 8 mm in diameter are supplied. The standard package includes air and material flow controller with shut-off valve. It can be operated in conjunction with compressors with air capacity of 250 l/min and operating pressure of 3 bar.

PN 1 A with intermittent air supply	PN 2 A with continuous air supply	PN 5 with continuous air regulation and supply	Technical data	PN 6/14 with continuous air supply	PN 6/25 with continuous air supply	Technical data	Plaster Spray Gun 429 N with intermittent air supply
0,7 aluminium (1,5 optional)	0,7 aluminium (1,5 optional)	1,5 aluminium (2,5 optional)	Container volume (l)	3,0 aluminium	3,0 aluminium	Container volume (l)	plastic container 5,0 l.
1,0/1,5/2,0 (0,3/0,5/0,8/1,2/1,8/2,5/3,0)	1,0/1,5/2,0 (0,2/0,3/0,5/0,8/1,2/1,8/2,5/3,0)	2,5 / 3,5 / 6,0 / 8,0 / (4,5 / 9,5)	Nozzles (mm)	14,0	25,0	Nozzles (mm)	4,5 / 6,0 / 8,0
Standard	Standard	12,0 / 15,0 / 16,5	Air head (mm)			Spray material	Plasters, woodchip wallpapers, high-viscosity materials
Universal nozzle needle	Universal nozzle needle	Needle for air head, needle for spraying	Nozzle needle			Weight (kg)	1,32
Wood stains, azures, lacquers, colour effect paints, matt coatings, thixotropic coatings (with SG3001), standard solutions	Azures, lacquers, paints, dispersive paints, treatments for wood, wood preservation agents, water-based inks	Colour effect paints, woodchip wallpapers, liquid plasters, filling primers, cellulosic materials	Spray material	Dry chips, flakes	Dry chips, flakes	Pressure (bar)	3
0,76	0,72	0,9	Weight (kg)	1,2	1,2	Air flow (l / min)	250
ABAC SG2000 / SG2500 / SG3001. Application together with blower units, where operating air is also used for motor cooling, is prohibited (for example, with blower SG90)!	ABAC SG90 / SG2000 / SG2500 / SG3001, compressed-air systems with a capacity of at least 250 l/min, at 2.5 to 4 bar operating pressure by means of pressure transducer Ident. No. BJ3101603031.	ABAC SG90 / SG2000 / SG2500 / SG3001, compressed-air systems with a capacity of at least 250 l/min, at 2.5 to 4 bar operating pressure by means of pressure transducer Ident. No. BJ3101603031.	Connection to	ABAC SG90 / SG2000 / SG2500 / SG3001, compressed-air systems with a capacity of at least 250 l/min, at 2.5 to 4 bar operating pressure by means of pressure transducer Ident. No. BJ3101603031.		Air / material regulation	With a help of air regulator / setting screw
BJ 381 000 00 20	BJ 371 160 00 10	BJ 301 160 05 71	Identification No.	H1 025 450 00 20	H1 025 451 00 20	Air feed pipe	Outer thread R1/4", with pluggable adapter
						Ident. No.	H1 025 401 00 20

OF KNOWLEDGEVALUE BRIEFLY AND SUCCESSFULLY

Optimal mode of coating in all directions:
rotating air head for flat vertical, flat horizontal and round jet.

Spraying towards horizontal plane:
for large areas in horizontal direction.

Spraying towards vertical plane:
for large areas in vertical direction. Round jet for small narrow surfaces, shapes and spot coating.

Note:
when using materials containing flammable substances, observe the Accident prevention regulations (in Germany VBG 23). The blower motors are not explosion- and flameproof.

Selection of equipment depending on coating materials / agents

- Primers
- Alkyd resin varnishes
- Hot surface paints
- PU paints / two-pack paints
- Hammer finish paints
- Water soluble acrylic paints
- Micaceous iron ore
- Multicolour paints
- Liquid waxes
- Industrial coating
- High-build glazes
- Liquid plasters
- Liquid woodchip
- Antifouling boat paints
- Nano laquers

	ABAC SG3001 1600 Wwith PN 1A gun	ABAC System-Set 2500 1500 Wwith PN 1A und PN 5 guns	ABAC SG2500 1500 W with PN 1A gun	ABAC System-Set 2000 1200 Wwith PN 1A and PN 5 guns	ABAC SG2000 1200 W with PN 1A gun	ABAC System-Set 90 1130 Wwith PN 2A and PN 5 guns	ABAC SG 90 1130 W with PN 2A gun
Primers	very good	very good	very good	very good	very good	very good	very good
Alkyd resin varnishes	very good	very good	very good	very good	very good	very good	very good
Hot surface paints	very good	very good	very good	very good	very good	very good	very good
PU paints / two-pack paints	very good	very good	very good	good	good	acceptable	acceptable
Hammer finish paints	very good	very good	very good	very good	very good	good	good
Water soluble acrylic paints	very good	very good	very good	very good	very good	very good	very good
Micaceous iron ore	very good	very good	very good	good	good	acceptable	acceptable
Multicolour paints	very good	very good	very good	very good	very good	good	good
Liquid waxes	very good	very good	very good	very good	very good	very good	very good
Industrial coating	very good	very good	very good	very good	very good	very good	very good
High-build glazes	very good	very good	very good	very good	very good	very good	very good
Liquid plasters	c PN 5	very good	c PN 5	very good	c PN 5	very good	c PN 5
Liquid woodchip	c PN 5	very good	c PN 5	very good	c PN 5	very good	c PN 5
Antifouling boat paints	very good	very good	very good	very good	very good	very good	very good
Nano laquers	very good	very good	very good	very good	very good	very good	very good

very good good acceptable

Blower Unit	Equipment compatibility															
	Spray gun PN 1A	Spray gun PN 2A	Special spray gun PN 5	Carrying strap	Spray gun stand	Back-pack for carrying	Special air hose for blower 6 m.	Special air hose for blower 2 m.	Angular connector	Flexible joint	Extension pipe	Dipper for viscosity	Transport	Comprehensive range of nozzles	Spare intake filter	Nozzle spanner
ABAC SG 90		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ABAC SG 2000	•	•	•		•		•		•	•	•	•	•	•	•	•
ABAC SG 2500	•	•	•		•		•		•	•	•	•	•	•	•	•
ABAC SG 3001	•	•	•		•		•		•	•	•	•	•	•	•	•

The ABAC SG High-Volume-Low-Pressure (HVL) product range							
Unit ABAC	Motor output (Watt)	Air flow rate (max. l/min)	Operating pressure (max. bar)	Connection cable (m)	Blower weight (kg)	Air hose length (m)	Sound level (dB (A))
SG 90	1130	2.300	0,22	5	4,3	6	80
SG 2000	1200	2.800	0,31	5	5,3	6	81
SG 2500	1500	2.700	0,35	5	9,7	6	74
SG 3001	1600	3.000	0,43	5	16,5	6	75



GEHEIT GmbH

Benzstr. 2

72636 Frickenhausen

Phone: +49 (0) 7022 789 690 21

Fax: +49 (0) 7022 789 690 29

vertrieb@geheit.de

www.geheit.de