



The Coating Experts



GOOD REASONS

FOR WALTHER PILOT

Successful bonding with our
material transfer and application technology



PROBLEM SOLVER

We provide a complete range for surface coating and the application of adhesives. With the high-quality tools and complete systems from **WALTHER PILOT** your work will be more convenient, environmentally friendly and process reliable.

A team of specialists with many years of experience will support you on every project. You can be sure you will obtain a solution that is perfectly matched to your production requirements.

Applications:

- ⊕ Automotive - Interior and Exterior
- ⊕ Upholstery industry
- ⊕ Sealant processing
- ⊕ Mattress manufacture/foam
- ⊕ Furniture industry
- ⊕ Leather industry
- ⊕ Shoe industry
- ⊕ Extrusion applications



In close cooperation with leading material manufacturers and customers, we continuously strive to develop ourselves even further. We are the problem solver and look forward to your challenges. Our adhesive application technology is the result of good collaboration with our customers and with material manufacturers. The new materials require suitable application systems.

This collaboration flows into our product development and is one reason for its high quality standard. To be able to accomplish that not only do we have a wide diversity of models but each model has its own wide range of jet nozzle sizes. That enables precise product allocation for each individual case. You can be certain that we have the appropriate model for you. We regularly perform tests with highly different materials and ascertain the model version and the exact spraying parameters.



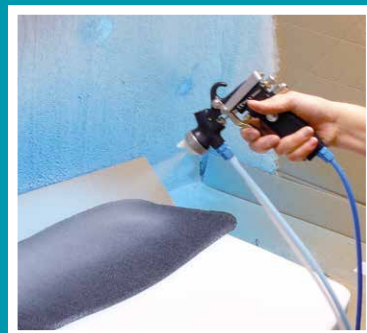
2

RANGE OF APPLICATIONS

WALTHER PILOT develops and produces first-class quality products in application engineering.

We have the fitting products for all spray application technologies as well as for extrusion. Along with special needles, nozzles and a large selection of various air caps, modified seals and modified gun bodies are also used.

We guarantee we can deliver spare parts for a time period of ten years.



Solvent-based adhesive application



Standard spray gun
for nearly all applications:
PILOT III-K



Standard automatic spray gun
PILOT WA XV



Spray gun
for small areas:
PILOT MINI



Rotary jet nozzle inserts are the best
option for atomizing solvent-based
adhesives.



For fast
gun exchange: Automatic spray gun
PILOT WA 903-K on an aluminium
adapter plate

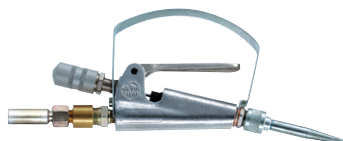


Automatic spray gun for
small areas, lines
and individual points:
PILOT SIGNIER

Extrusion



PILOT PREMIUM EXTRUSION
for white glues, etc.



PILOT EXTRUSION GUN for viscous
media such as sealants

One-component dispersion adhesive application

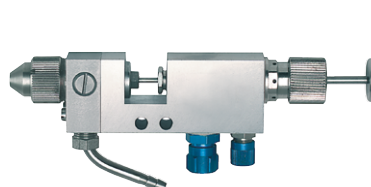
⊕ All parts that have contact with material
are made of stainless steel



Standard spray gun
PILOT WA 700 for nearly all adhesive
applications



PILOT PREMIUM ND-K



Automatic spray gun for small
areas, lines and individual points:
PILOT WA 200



For fast gun exchange:
Automatic spray gun
PILOT WA 923-ND-K
on a stainless steel adapter plate

Two-component dispersion adhesive application

⊕ All parts that have contact with material are made of stainless steel



Spray gun model **PILOT BOND 2K** for
applying two-component dispersion
adhesives



Standard spray gun
PILOT III-2K: PTFE-coated gun body
for applying 2C adhesives



The unique
automatic spray gun:
PILOT WA 560-2K

Large range of accessories



Compressed air couplings



Compressed air and
material hoses



Jet nozzle inserts
and repair kits



Gun cleaning kit



SYSTEMS WITH MATERIAL TRANSFER

Material pressure tank

By using pressure tanks we achieve impulse-free and unobstructed material flow to the spray gun. The result is smooth processing of even shear-sensitive dispersion adhesives.

Diaphragm pumps

Dual diaphragm pumps excel with low-impulse material transfer and are highly recommended for applications involving low-viscosity adhesive delivery.

Piston pumps

Distinctions are made in piston pumps according to their transmission ratio and volume flow. Piston pumps can be used for low to medium viscosity materials.

Sludge pumps with follower plates

The series is provided with high-volume pneumatic motors for delivering high-viscosity media. Thanks to the large cross-section, the displacement pumps are ideal for the uniform transfer of the materials - even over long distances.

PILOT VAKUBOND

Automated material supply of shear-sensitive adhesives.

Material pressure tank



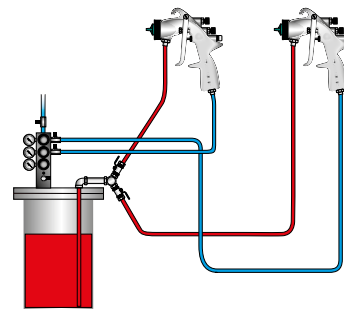
Just put the container in the tank



Also for portable use.
With additional fitting for spray gun
on the tank



Pressure tanks can be supplied in
nearly all dimensions



⊕ Example for visualization

Depending on your needs you can supply
several spray guns through one single
tank.



Compressed-air inlet valves with
second or third controllers for
spray gun connection



Material distributor for connecting
a second spray gun



Probes for level measurement and
fixed point level detection



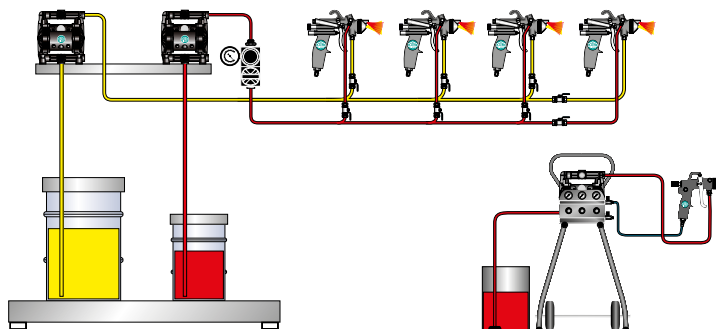
Left: Inliner for pressure tanks
LDG 5 and **LDG 10** made of polypropylene.
Right: Stainless steel bucket insert for
series MDG pressure tank

Diaphragm pumps



⊕ Example for visualization (see fig. right)

Dual diaphragm pumps
for various delivery rates
in aluminium, stainless
steel and acetal hous-
ings also provide gentle
material handling.



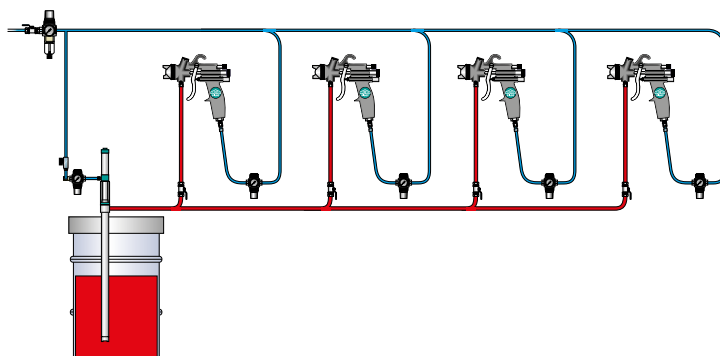
Piston pumps



⊕ Example for visualization (see fig. right)

Piston pumps for various
delivery rates and
pressure distributions.
Material heaters are also
available.
Versions made of steel or
stainless steel available.

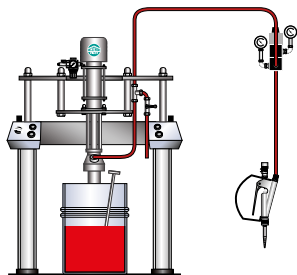
As a barrel pump
or on a wall bracket.



Sludge pumps with follower plates



Powerful air motors



⊕ Example for visualization

PILOT VAKUBOND



We can advise you during system
configuration to make sure
you find the best solution for
your production. Solutions with
following plate heating are also
feasible.



INNOVATION

Innovations are very important to us and **WALTHER PILOT** is in a continual state of development! For instance, we are the only gun supplier for adhesive application with a transition-free material channel (in the piston) made of stainless steel. We can also provide special spray guns for processing two-component dispersion adhesives.

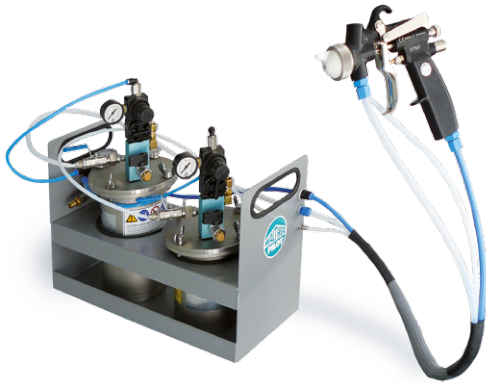
We have been in ongoing, close contact with all renowned adhesive manufacturers for many decades. And if questions need to be explored, we use our modern applications laboratory to select not only the proper equipment, but also the right parameters.

- ⊕ Which innovations pique your interest?
- ⊕ Do you have any suggestions for product improvements?
- ⊕ Please let us know about your ideas!



PILOT BOND 2K This inexpensive spray gun model for applying two-component dispersion adhesives will be available to you in the autumn.

- ⊕ Air head: Stainless steel
- ⊕ Material channels A- and B- components made of stainless steel
- ⊕ Low weight ca. 479 g
- ⊕ Easy B-component cleaning
- ⊕ Nozzle size A-component upon request: 0.8 / 1.0 / 1.2 / 1.4 mm Ø
- ⊕ Nozzle bore B-component upon request: 0.3 / 0.4 / 0.5 mm Ø



The advanced development of the **PILOT III 2K** is optionally available with a stainless steel air head. The body was reworked and provides great cleaning and maintenance convenience. The two components are mixed in the jet spray.

- ⊕ All parts that have contact with the material: Stainless steel
- ⊕ Low weight ca. 600 g
- ⊕ Gun body PTFE coated for easy cleaning
- ⊕ Nozzle bore A-component: 0.8 / 1.0 / 1.2 mm Ø
- ⊕ Nozzle bore B-component: 0.3 / 0.4 / 0.5 mm Ø
- ⊕ New flat spray jet head made of stainless steel for the **PILOT III 2K** for greater area performance.



Demo package and mini-test lab rolled into one

The **PILOT KLEBOND** is great for demonstrations and trials. **2K-PACKAGE** like hardly any other. We offer you this package at a special discount price. Comprises:

- ⊕ MDG 2, stainless steel, MDG 1, stainless steel
- ⊕ Spray gun **PILOT III 2K**
- ⊕ Hose pack 3 m
- ⊕ Support frame

PILOT VAKUBOND The perfect combination of material supply and adhesive feeding that is gentle to the material has found the perfect solution in the Vakubond. Pumps have been completely dispensed with.

By using pressure tanks you achieve impulse-free and unobstructed material flow to the gun. At least 4 spray guns can be simultaneously supplied with material. The epitome of gentleness and efficiency: Hardly any work stoppages for refilling.



New in our range of goods:
Spray system for shear-sensitive dispersion adhesives



New: Stainless steel pressure tank
In modular design:

- ⊕ Tailor-made product solutions. That puts you several good steps ahead of the competition. To find out more, get in touch with us!



5

ENVIRONMENTAL PROTECTION

We are committed to cost effectiveness, environmental protection, health protection and user benefit. On top of that, we aim to ensure our work and our products comply with the highest international standards and quality requirements.

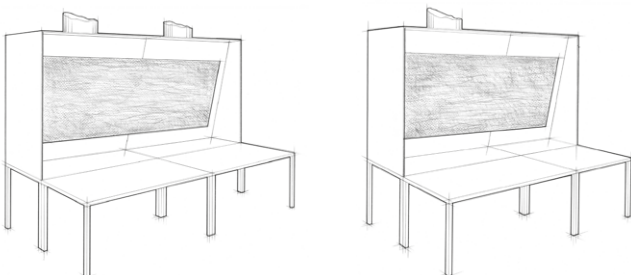
We meet these requirements with our certified quality and sustainability. Overspray is unavoidable when working with spray guns. We provide appropriate exhaust air purification and thus protect the environment.



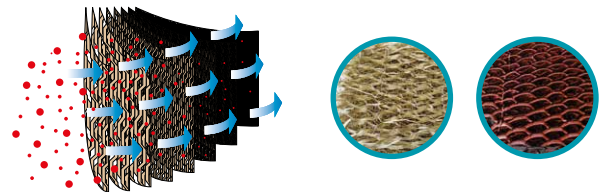
TYPE 2000 EXTRACTION BOOTH Multilayer separators are used as filter media that guarantee long operating lives and the best retention properties. The hinged support frame makes filter replacement exceptionally fast. It also ensures the firm seating of the mat.

- ⊕ Basic version: Extraction system without base frame
- ⊕ Optional: Base frame or workbench in the required dimensions
- ⊕ The filter elements can be quickly replaced.

Modular design



The 1.10 m and 1.50 m-wide basis elements of the 2000er series can be combined into spray benches in the desired width.



The plants are equipped with multilayer filters made of recycled paper. That ensures you high filter efficiency and high absorptive capacity.



Pneumatic power management: When the spray gun is hung up, the exhaust air volume is reduced. The energy requirement for heating the supply air is lowered.

Comprehensive accessories

- ⊕ Turnstiles workholders
- ⊕ Motor protection switch
- ⊕ Power management system
- ⊕ Lighting
- ⊕ Strippable coating
- ⊕ Filter mats
- ⊕ Exhaust air pipework

6

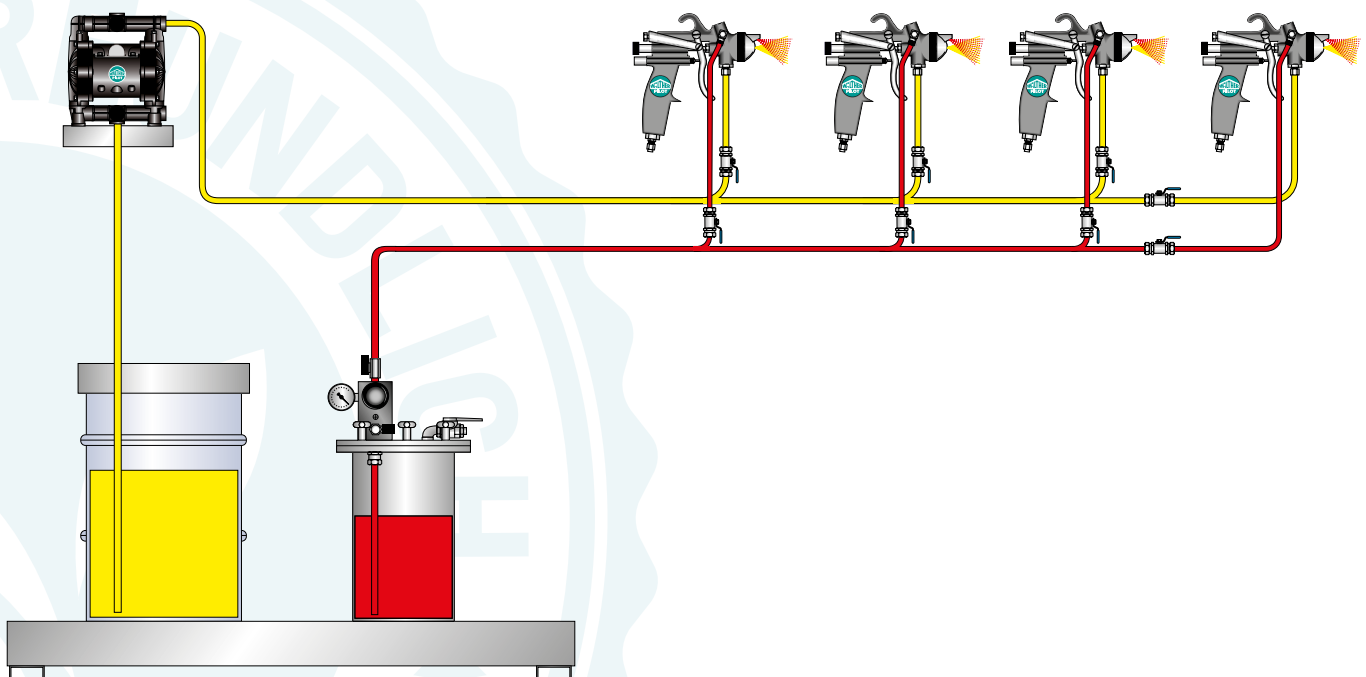
PARTNERSHIP

As a system partner we are familiar with all possible aspects and that lets us provide a perfect technology partnership. For instance, if you are planning alterations in your production we can assist you with our many years of experience. With the appropriate application technology you can for instance lower your material consumption and prevent production stoppages. It's worth it!

We attach great importance to transparency. In particular with complex compilations, thoughtful preparation can be decisive for laying the foundation for working together and preventing misunderstandings.

Furthermore, our experienced employees in the back office and our representatives are glad to field your questions. You will be accompanied with competence based on partnership in every phase of the project design and implementation. We would be glad to put you in touch with our partners at home and abroad.

- ⊕ Application tests in our pilot plant are normally free of charge.
- ⊕ Whether a component or a spare part – delivery is quick.
- ⊕ In addition, all spare parts come with a 10-year delivery guarantee.
- ⊕ And of course our repair service is ready to assist you.



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