Manual Spray Guns
WALTHER PILOT gives you quality and environmental protection at the same time. Everything fits – not only the spray gun but also the whole system. No matter what your requirements are, you will be supplied with tailor-made, economical coating technology.

Our main product areas

- Manual spray guns
- Automatic spray guns
- Containers and paint delivery systems
- Spray booths
- A complete range of accessories
The ideal solution for many industries. And for yours too?

WALTHER PILOT produces spraying equipment for every conceivable workpiece and coating material. Allowing us to supply just about every branch of industry, in particular:

- Metalworking industry
- Automotive paintshops
- Furniture industry and joinery
- Plastics industry
- Automotive assembly plants
- Food and pharmaceutical industries
- Model building and design

Special models, such as two component spray guns, are also successful on the market.

You can judge us by our results.

You can use WALTHER PILOT guns to spray practically all coating materials. These include not only paints and lacquers but also adhesives, sealants and separating agents.

In order to guarantee the highest quality and to save expensive coating material, WALTHER PILOT spray guns are usually available with a large variety of nozzle sizes. Extensive tests ensure that our knowledge of the coating media is always kept up to date and electronically stored. This means that you always receive reliable information about the best nozzle size and air cap to use.

In case of doubt, we will carry out tests using your material. So why not judge us by our successful results: the spraying quality, the material savings and our long-term contribution to environmental protection.

High transfer efficiency

The following results (summary of the transfer efficiency of medium-pressure spray guns) were measured at the IPA Fraunhofer Institute. They are clear evidence of our quality.

<table>
<thead>
<tr>
<th>Spray gun</th>
<th>Nozzle Ø mm</th>
<th>Air cap</th>
<th>Tr. Eff. CC 0.7 bar</th>
<th>Tr. Eff. TC 1.3 bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pilot</td>
<td>0.5</td>
<td>068 MD</td>
<td>80 %</td>
<td>71 %</td>
</tr>
<tr>
<td>Maxi MD</td>
<td>2.5</td>
<td>218 MD</td>
<td>81 %</td>
<td>73 %</td>
</tr>
<tr>
<td>Pilot</td>
<td>0.5</td>
<td>0.5</td>
<td>76 %</td>
<td>67 %</td>
</tr>
<tr>
<td>M MD</td>
<td>2.5</td>
<td>2.5</td>
<td>74 %</td>
<td>72 %</td>
</tr>
<tr>
<td>Pilot</td>
<td>0.5 W</td>
<td>038 MD</td>
<td>82 %</td>
<td>74 %</td>
</tr>
<tr>
<td>Mini FA</td>
<td>2.5 W</td>
<td>188 MD</td>
<td>81 %</td>
<td>75 %</td>
</tr>
</tbody>
</table>
A top-class lightweight

PILOT Vario

Vario is the top-of-the-range PILOT spray gun - the finest atomisation is guaranteed. It is ideal not only for fine surface finishes but also for other applications such as spraying adhesives.

A perfectly matched nozzle/air cap system is available for every application (11 sizes from 0.3 mm to 2.5 mm diameter).

What is more, PILOT Vario is available in three versions:

- Low-pressure (HVLP) model PILOT Vario-ND
- Medium-pressure model PILOT Vario-MD
- High-pressure model PILOT Vario-HD for conventional atomisation

The threaded bushings are made of stainless steel on the material side and brass on the air side.

Environmental Assessment

All wetted parts are made of stainless steel. This means that water-borne coatings and aggressive media can be sprayed without any problems.

The transfer efficiency of the MD and ND model versions measured according to prEN 13966 is more than 70%. WALTHER PILOT also supplies models suitable for high-solid media.

The smooth transitions in the material duct prevent material from accumulating, thus minimising the amount of cleaning agent required.

<table>
<thead>
<tr>
<th>Nozzle diameter in mm</th>
<th>0.3</th>
<th>0.5</th>
<th>0.8</th>
<th>1.0</th>
<th>1.2</th>
<th>1.4</th>
<th>1.5</th>
<th>1.8</th>
<th>2.0</th>
<th>2.2</th>
<th>2.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air caps</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PILOT Vario-ND (low-pressure)
- with asymmetrical gravity-feed cup 450 ccm V 11 721 04 . . 3
- with suspended pressure-feed cup 800 ccm Part No. V 11 723 04 . . 3
- with material connection for pressure tanks or pumps Part No. V 11 722 04 . . 3

PILOT Vario-MD (medium-pressure)
- with asymmetrical gravity-feed cup 450 ccm Part No. V 11 711 04 . . 3
- with suspended pressure-feed cup 800 ccm Part No. V 11 713 04 . . 3
- with material connection for pressure tanks or pumps Part No. V 11 712 04 . . 3

PILOT Vario-HD (high-pressure)
- with asymmetrical gravity-feed cup 450 ccm Part No. V 11 701 03 . . 3
- with suction-feed cup 1000 ccm Part No. V 11 703 03 . . 3
- with material connection for pressure tanks or pumps Part No. V 11 702 03 . . 3

Pressure ranges

Air cap versions
- 6-hole air cap
- 8-hole air cap (HD version)
- 12-hole air cap (HD version)
PILOT Vario

Versatile and practical

PILOT Vario is several spray guns all in one.

Simply order a second front part and exchange it according to the application. A special tool is included for this purpose. The front part can also be easily removed to allow quick and easy replacement of a worn needle seal.

Lightweight spray gun, lightweight tank

A spraying system at its very best

A spraying system comprising a PILOT Vario spray gun and a PILOT LDG lightweight pressure tank allows you to spray virtually any type of material, as all wetted parts are made of stainless steel. The thin-wall pressure tanks are designed for a maximum operating pressure of 6 bar. They are also lightweight in terms of price.

Special features

- **Low weight**: The spray gun has an ergonomic design that makes it extremely comfortable to use, and weighing just 390 grams it is exceptionally light. Working could hardly be more pleasant.
- **Self-adjusting quick-change packing** made of PTFE, can be removed in no time at all.
- **Easy Clean principle**: The design of the material duct prevents the build up of dirt and contamination
- **Also suitable for use with extensions**

Medium pressure - the advantages

At medium pressure, the spraying material is atomised in the pressure range between 0.7 and 1.5 bar.

1. You achieve a high transfer efficiency and therefore save material.
2. You obtain a superior surface finish that meets the highest demands.
3. The operator does not have to change from one process to another. Working speeds and application rates are high. The gun is very comfortable to use.

Tank and lid made of stainless steel (1.4571)
Tank sizes: 5 litres, 10 litres and 20 litres
The success formula for environmental protection

Like PILOT Vario, PILOT Maxi is more than just a spray gun. It is a whole concept – a system that offers flexible solutions for the widest variety of spraying media. It is available in three different versions:

- **Low-pressure model PILOT Maxi-ND** (HVLP system)
- **Medium-pressure model PILOT Maxi-MD**
- **High-pressure model PILOT Maxi-HD** for conventional atomisation

With these three types, you are sure to have the right spray gun at hand for every possible application. You simply choose the model that is optimally suited for the properties of your spraying material. They ensure that you obtain the desired film thickness with superb surface finishing results and maximum transfer efficiency.

Environmental Assessment

All wetted parts are made of stainless steel. This means that water-borne coatings and aggressive media can be sprayed without any problems.

The transfer efficiency of the MD model versions measured according to prEN 13966 is more than 70%. Please see the results measured by the IPA Fraunhofer Institute on page 7.

WALTHER PILOT also supplies models suitable for high-solid media.

The smooth transitions in the material duct suitable for high-solid media.

With these three types, you are sure to have the right spray gun at hand for every possible application. You simply choose the model that is optimally suited for the properties of your spraying material. They ensure that you obtain the desired film thickness with superb surface finishing results and maximum transfer efficiency.

Technical features

<table>
<thead>
<tr>
<th>Nozzle diameter in mm</th>
<th>0.3</th>
<th>0.5</th>
<th>0.8</th>
<th>1.0</th>
<th>1.2</th>
<th>1.5</th>
<th>1.8</th>
<th>2.0</th>
<th>2.2</th>
<th>2.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air caps 8 / 12-hole</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

**PILOT Maxi-ND (low-pressure)**
- with asymmetrical gravity-feed cup 450 ccm
  Part No. V 11 633 04 . . 3
- with suspended pressure-feed cup 1000 ccm
  Part No. V 11 635 04 . . 3
- with material connection for pressure tanks or pumps
  Part No. V 11 634 04 . . 3

**PILOT Maxi-MD (medium-pressure)**
- with asymmetrical gravity-feed cup 450 ccm
  Part No. V 11 615 05 . . 3
- with suspended pressure-feed cup 1000 ccm
  Part No. V 11 617 05 . . 3
- with material connection for pressure tanks or pumps
  Part No. V 11 616 05 . . 3

**PILOT Maxi-HD (high-pressure)**
- with asymmetrical gravity-feed cup 450 ccm
  Part No. V 11 613 03 . . 3
- with suspended pressure-feed cup 1000 ccm
  Part No. V 11 619 03 . . 3
- with material connection for pressure tanks or pumps
  Part No. V 11 614 03 . . 3

All connection versions are available.
All wetted parts: stainless steel.

Net weight: only 440 grams

Repair kits are available for all versions.

Air cap versions
- 6-hole air cap
- 8-hole air cap
- 12-hole fine-finishing cap (only in combination with pressure tank / pump)
  in each case for nozzle sizes:
  0.3 - 1.8 mm and 2.0 - 2.5 mm ø
High transfer efficiency confirmed

<table>
<thead>
<tr>
<th>Spray gun</th>
<th>Nozzle Ø mm</th>
<th>Air cap</th>
<th>0.7 bar</th>
<th>1.3 bar</th>
<th>0.7 bar</th>
<th>1.3 bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pilot</td>
<td>0.5</td>
<td>068 MD</td>
<td>80%</td>
<td>71%</td>
<td>87%</td>
<td>84%</td>
</tr>
<tr>
<td>Maxi MD</td>
<td>2.5</td>
<td>218 MD</td>
<td>81%</td>
<td>73%</td>
<td>90%</td>
<td>86%</td>
</tr>
</tbody>
</table>

These results for the PILOT M axi-M D measured by the IPA Fraunhofer Institute in a standardised procedure confirm the high transfer efficiency.

Medium pressure – the advantages

At medium pressure, the spraying material is atomised in the pressure range between 0.7 and 1.5 bar.

1. You achieve a high transfer efficiency and therefore save material.
2. You obtain a superior surface finish that meets the highest demands.
3. The operator does not have to change from one process to another. Working speeds and application rates are high. The gun is very comfortable to use.

PILOT Maxi – PILOT SprayPak

Spray gun and pump – the perfect combination.

Connect PILOT M axi or another spray gun of your choice (PILOT Vario, PILOT III F) to a SprayPak with a double diaphragm pump and pump the material directly from the can or drum.

The PILOT SprayPak spraying unit is equipped with a special pneumatically operated fine regulator for the material pressure, ensuring excellent atomisation free of pulsation. A material filter is also integrated.

User comfort

From the ergonomically designed handle upwards, you will find a spray gun that has been perfected in every detail. The gun body is TEFLO N®-coated for easy cleaning.
Do you work with pressure tanks?

The spraying medium is safely stored. Troublesome filling is eliminated. The even, pulsation-free delivery ensures top-quality spraying results.

The material pressure and atomising pressure can be optimally matched - even when using critical materials. The material flow rate and the work rate are therefore generally higher than with feed cup guns.

We can supply a whole range of complete systems including containers at special rates. Simply give us a call.

The air valve is integrated into the needle axle, which means that there is no exposed valve shaft that might result in dirt accumulation and faulty operation.

Stainless steel inlay for water-borne coatings and aggressive media. This eliminates the build up of dirt - ensuring short flushing periods and low cleaning agent consumption.

The ideal spray guns for:
- Paintshops
- Metalworking industry
- Plastic processing industry
- Automotive repair
- Furniture industry
- Interior design
- Trade fair design and shopfitting
- Coachbuilding
- Food industry
- Pharmaceutical industry

Like PILOT Vario, PILOT Maxi is ideally suited for fine-finish work for the highest of demands.
PILOT Rapid

This lightweight and handy spray gun is ideal not only for small parts and repair work but also for objects with large surface areas. The jet width, work rate and atomisation quality are optimal. The aluminium body is sturdy and easy to clean.

With a large range of nozzles from 0.3 to 2.2 mm diameter (9 sizes) with only 2 air cap sizes, the spray gun is suitable for almost every application and every spraying material. A version with a rotating jet nozzle insert for difficult to atomise materials is available on request.

Environmental Assessment

The transfer efficiency of the MD model version according to prEN 13966 is more than 70%.

The internal thread prevents the build-up of coating and dirt residues.

Technical features

Nozzle diameter in mm  | 0.3 | 0.5 | 0.8 | 1.0 | 1.2 | 1.5 | 1.8 | 2.0 | 2.2
---|---|---|---|---|---|---|---|---|---
Air cap 034 | ● | ● | ● | ● | ● | ● | ● | ● | ●
Air cap 185 | ● | ● | ● | ● | ● | ● | ● | ● | ●

Versions:
- Medium-pressure model PILOT Rapid-MD
  Part No. V 10 174 04...3
- High-pressure model PILOT Rapid-HD for conventional atomisation
  Part No. V 10 172 04...3

Technical data:
- Weight: 400 g
- Input pressure
  - HD - 4 bar
  - MD - 3.3 bar
- Material connection: 1/4"
- Needle packing: PTFE
PILOT Mini offers you genuine professional quality. In spite of its compact size, the jet width, delivery rate and atomisation quality leave nothing to be desired.

**Universal application**

We offer an exceptionally wide range of nozzle sizes: a total of 9 different diameters are available, from 0.3 to 2.2 mm. This means that you always have the right nozzle for every application and every material – whether you are spraying fine details or large surfaces.

**User comfort**

The gun body is made of high-quality plastic. The ergonomically shaped handle means that the gun sits comfortably in your hand. And unlike guns with a metal handle, it doesn’t make the palm of your hand cold.

**Environmental assessment**

In this WALther PILOT model too, all wetted parts are made of stainless steel. This means that water-borne coatings can be sprayed without any problems. The thread inlets are made of stainless steel on the material side and brass on the air side.

The medium-pressure version of PILOT Mini allows you to achieve a particularly high transfer efficiency.

**High transfer efficiency confirmed**

<table>
<thead>
<tr>
<th>Spray gun</th>
<th>Nozzle Ø mm</th>
<th>Air cap</th>
<th>Nozzle</th>
<th>Air cap</th>
<th>Tr. Eff. CC 0.7 bar</th>
<th>Tr. Eff. TC 1.3 bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pilot</td>
<td>0.5 W</td>
<td>034</td>
<td>0.3</td>
<td>0.3</td>
<td>74 %</td>
<td>82 %</td>
</tr>
<tr>
<td>M ini MD</td>
<td>2.5 W</td>
<td>185</td>
<td>2.2</td>
<td>2.2</td>
<td>83 %</td>
<td>88 %</td>
</tr>
</tbody>
</table>

**versions:**

- High-pressure model PILOT M ini-HD with plastic gravity-feed cup 125 cc with strainer Part No. V 10 151 02 . . 3
- High-pressure model PILOT M ini-HD with material connection 1/4” Part No. V 10 152 02 . . 3
- Medium-pressure model PILOT M ini-MD with plastic gravity-feed cup 125 cc with strainer Part No. V 10 141 02 . . 3
- Medium-pressure model PILOT M ini-MD with material connection 1/4” Part No. V 10 142 02 . . 3

**technical features**

- Weight: only 290 g

- Nozzle diameter in mm: 0.3, 0.5, 0.8, 1.0, 1.2, 1.5, 1.8, 2.0, 2.2
- Air cap 034: • • • • • • •
- Air cap 185: • • • • • •

**air cap versions**

- 6-hole air cap
  - for nozzle sizes: 0.3 - 1.8 mm and 2.0 - 2.2 mm ø
  - Rotating jet nozzle inserts for tear-resistant materials.

**coating materials**

- Water-borne coatings, aggressive media, solvent-based coatings, adhesives, separating agents, food.

**source:** IPA Fraunhofer Institute
Spraying system with the compact spray gun PILOT Mini

comprising:

- New spray gun PILOT Mini with material connection
- Pressure tank MDG 4 (stainless steel) (further tank alternatives available on request)
- Filter compressed air regulator H2
- Set of hoses

All wetted parts are made of stainless steel. This means that water-borne coatings can be sprayed without problems.

PILOT Mini

The all-rounder for:

- Decorative work
- Model making
- Toy manufacturing
- Precision mechanics
- Signwriting
- Separating agent application
- Coachbuilding
- Repair work
- Ceramic coatings
- Adhesive application
- Wood and furniture coating

Ideal – especially for DIY and hobbies

The PILOT Mini spray gun is the ideal choice for virtually every industry. Shown here in ceramic coating.
The product family for industry and trades

PILOT III F

This high-performance model has long-since become the symbol of WALTHER quality in industry and trades. It is designed for spraying solvent-based materials. Stainless steel nozzles and needles are available for spraying water-borne coatings.

In this model too, the gun body is TEFLO®-coated for easy cleaning.

A new addition to the product range is the medium-pressure version of the PILOT III F. This spray gun is environmentally friendly, saves material and helps to achieve greater VOC conformity.

Environmental assessment

Suitable under certain conditions for water-borne materials.

With the medium-pressure model, you can achieve a particularly high transfer efficiency (see Table).

Suitable nozzle / air cap systems are available for spraying high-solid coating materials.

High transfer efficiency confirmed

<table>
<thead>
<tr>
<th>Spray gun</th>
<th>Nozzle Ø mm</th>
<th>Air cap</th>
<th>0.7 bar</th>
<th>1.3 bar</th>
<th>0.7 bar</th>
<th>1.3 bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pilot</td>
<td>0.5</td>
<td>0.5</td>
<td>76%</td>
<td>67%</td>
<td>85%</td>
<td>80%</td>
</tr>
<tr>
<td>IIIIF MD</td>
<td>2.5</td>
<td>2.5</td>
<td>76%</td>
<td>72%</td>
<td>90%</td>
<td>85%</td>
</tr>
</tbody>
</table>

Source: IPA Fraunhofer Institute

Technical features

<table>
<thead>
<tr>
<th>Nozzle diameter in mm</th>
<th>0.5</th>
<th>0.8</th>
<th>1.0</th>
<th>1.2</th>
<th>1.5</th>
<th>1.8</th>
<th>2.0</th>
<th>2.5</th>
<th>3.0</th>
<th>3.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air cap 034</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

Standard nozzle

Versions

HD spray guns for conventional atomisation
- with plastic or aluminum gravity-feed cup 450 ccm Part No. V 10 301 02 ..1
- with suction-feed cup 1000 ccm Part No. V 10 303 72 ..1
- with material connection for pressure tanks or pumps Part No. V 10 302 02 ..1

MD spray guns for medium pressure
- with plastic or aluminum gravity-feed cup 450 ccm Part No. V 10 310 02 ..1
- with material connection 3/8" for pressure tanks or pumps Part No. V 10 311 02 ..1

Repair kit

for wearing parts Part No. V 16 003 02 ..1
PILOT IV GM

Low-cost standard spray gun for all common spraying jobs

The PILOT IV GM is a pure gravity feed cup gun. It has a light-alloy body. The round jet or wide jet can be infinitely adjusted.

With plastic or aluminium gravity feed cup 450 ccm
Part No. V 11 441 02 ..1

Repair kit / accessories for wearing parts
Part No. V 16 004 02 ..1

Technische Merkmale

<table>
<thead>
<tr>
<th>Nozzle diameter in mm</th>
<th>0.5</th>
<th>0.8</th>
<th>1.0</th>
<th>1.2</th>
<th>1.5</th>
<th>1.8</th>
<th>2.0</th>
<th>2.5</th>
<th>3.0</th>
<th>3.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air cap 034</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PILOT III F

The industrial PILOT for:

- Paintshops
- Metalworking industry
- Construction industry
- Furniture industry
- Interior design
- Trade fair design and shopfitting
- Separating agent application
- Coachbuilding
- Ceramic coatings
- Adhesive application

High variability

The special feature of the PILOT III F is that the type of material supply can be varied as required. For example, the flow cup can be quickly removed and the opening sealed, allowing a material hose or a suction feed cup to be fitted instead. The same gun body forms the basis for all connection possibilities. This also applies to the PILOT III F-M D.

Versions for all applications

Nozzle extension with air cap spraying sideways at 90°
The PILOT XIII and PILOT XIII-ND (low-pressure) series spray guns are ideally suited for heavy-duty industrial applications. Our spray guns are designed to cope with the toughest jobs day in day out. They can be used for spraying all materials – even aggressive coatings – since all the parts in contact with the material, including the nozzle, needle and air cap, are made entirely of stainless steel.

**Large variety of models**

The PILOT XIII is available in many different versions, including a version for material circulation. The corresponding stainless steel front body (see below) can also be used for the HVLP version.

**Environmental assessment**

Ideal for aqueous and therefore low-solvent materials. Nozzle / air cap systems are available for high-solid materials. What is more, the HVLP version ensures a high transfer efficiency.

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**Technical Features**

<table>
<thead>
<tr>
<th>Nozzle diameter in mm</th>
<th>0.5</th>
<th>0.8</th>
<th>1.0</th>
<th>1.2</th>
<th>1.5</th>
<th>1.8</th>
<th>2.0</th>
<th>2.5</th>
<th>3.0</th>
<th>3.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air cap 034</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

**Versions**

- with plastic gravity-feed cup 450 ccm
  Part No. V 11 301 03 ..1
- with suction-feed cup 1000 ccm
  Part No. V 11 303 73 ..1
- with material connection for pressure tanks or pumps
  Part No. V 11 302 03 ..1

**Material circulation and more**

Apart from the usual connection possibilities, other versions are available:
- with material connection and air quantity control on the underside of the handle
- with a connection for circulating operation (conventional and HVLP)
- with a pressure-feed cup or gravity-feed cup for the HVLP versions

The use of nozzle extensions is possible.

**Repair kit**

for wearing parts
Part No. V 16 013 03 ..3
PILOT XIII-ND

This model offers you all the benefits of HVLP, saves material and still allows you to work quickly. It guarantees top-quality spraying results, making this spray gun the ideal choice not only in the manufacturing industry and the building sector but also in the automotive industry.

Versions
- with plastic gravity-feed cup
  Part No. V 11 331 03 ..3
- with aluminium gravity-feed cup 450 ccm
  Part No. V 11 336 03 ..3
- with suspended pressure-feed cup 1000 ccm
  Part No. V 11 338 03 ..3
- with material connection for pressure tanks or pumps
  Part No. V 11 332 03 ..3

The PILOT XIII-ND with a gravity feed cup is still the first choice for the application of dispersion adhesives in the upholstered furniture industry (see also pages 18-20).

PILOT XIII / XIII-ND

The spray guns for:
- Shipbuilding
- Construction industry
- Furniture industry
- Metalworking industry
- Foundries
- Steelworks
- Coachbuilding
- Ceramic coatings
- Adhesive application
- Soundproofing Materials

PILOT XIII-U

Spray gun for integration into material circulation systems.

PILOT XIII-High-pressure

This spray gun is used whenever materials are supplied to the gun at high pressure, for example by a pump. Material pressures of max. 50 bar are possible. It is also suitable for spraying high viscosity materials.

With safety catch.

Part No. V 11 342 43 ..3
Nozzle sizes 1.0 / 1.5 / 2.0 / 2.5 mm ø

Part No. V 11 312 03 ..3
Nozzle sizes: as PILOT XIII
PILOT I

Spray gun for fine and difficult spraying jobs. The gun handle is made of high-quality natural wood and sits comfortably in the hand. The trigger is light and easy to operate. The spraying results are first class.

Part No. V 10 101 51 ..3

Nozzle sizes:
0.2 / 0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm ø

Aluminium flow cup: 100 ccm

Other cup sizes available on request.

PILOT I with wide-jet nozzle insert:
Part No. V 10 101 02 ..3

PILOT Mini, the spray gun for fine detail.
See also Pages 10/11.

The spray gun for:
- Model making
- Patining
- Shoe industry
- Figure painting
- Spectacle manufacture
- Decorative painting
- Paintwork restoration

PILOT I is ideal for a whole range of precision spraying work, such as model making.

Application in the confectionery industry.
WAGNER airless spray guns

**G12 Europa**
Standard airless spray gun with a material pressure of up to 270 bar. Material filter in the handle. Swivel fitting for material connection 1/4".
All standard airless nozzles are available. Table of nozzles available on request.

**G15**
Standard airless spray gun with a material pressure of up to 530 bar. Material filter in the handle. Swivel fitting for material connection 1/4".
All standard airless nozzles are available. Table of nozzles available on request.

**G15 H**
Hot spray airless spray gun with a material pressure of up to 530 bar. Swivel fitting for material connection. Material connection thread: M 16x1.5
All standard airless nozzles are available. Table of nozzles available on request.

**GM 3000 AC**
Standard spray gun for the AirCoat process with a material pressure of up to 250 bar. Max. atomising air pressure: 8 bar. Material filter in the handle. Swivel fittings for material and air connection. Two air caps for solvent-based and water-borne materials are available. Reverse nozzles for easy cleaning. All standard airless nozzles are available. Table of nozzles available on request.

**Airless equipment**
A wide variety of material supply equipment is available for both airless and AirCoat models.

Electrostatic high-pressure spray gun

**WAGNER spray gun GM 2000 EAC EN**
for use with solvent-based coatings.
The "wrap around" effect in electrostatic systems means that very little material is lost through overspray. The charged paint particles are finely distributed over the object, guaranteeing a first-class finish.
Max. material pressure: 250 bar
Input current: 0.7 A
Output voltage: 80 kV
(available with round-jet or flat-jet nozzle)

**WAGNER control unit VM 200**
for manual spray gun GM 2000 EAC (max. 11 m gun cable).
Variable voltage.

**WAGNER control unit VM 2000**
for manual spray gun GM 2000 EAC (max. 80 m gun cable).
Variable voltage.
Spray guns for solvent-based adhesives

PILOT XIII

PILOT XIII can be used for both flammable and non-flammable solvent-based adhesives. It is also ideally suited for spraying polyurethane adhesives. All wetted parts are made of stainless steel.

The spray gun is available in three versions:
- with material connection
- with plastic gravity-feed cup
- for material circulation systems

Nozzle sizes:
0.5 / 0.8 / 1.0 / 1.2 / 1.5 / 1.8 / 2.0 / 2.5 / 3.0 / 3.5 mm ø

Part No. see page 14

PILOT III K

High-performance spray gun for spraying solvent-based adhesives. The nozzle can also be supplied in stainless steel.

Available for gravity feed cups or for connection to material supply systems. The same gun body is used for connection to different supply systems. The body is TEFLO N®-coated for easy cleaning.

Environmental assessment

Nozzle / air cap systems, in particular rotating jet nozzles, are available for spraying high-solid adhesives.

Technical Features

<table>
<thead>
<tr>
<th>Nozzle diameter in mm</th>
<th>1.0</th>
<th>1.5</th>
<th>1.8</th>
<th>2.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rotating jet nozzle</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

Versions

- with material connection and wide-jet air cap
  Part No. V 10 352 33 ..1
- rotating jet nozzle type
  Part No. V 10 351 21 ..1 (gravity-feed cup type)
- Part No. V 10 352 21 ..1 (material connection)

Repair kit

for wearing parts
Part No. V 16 023 33 ..1

Rotating jet nozzles - ideal for high-solid adhesives

For environmentally friendly but highly tear-resistant polyurethane adhesives and for high solids, rotating jet nozzles are used. In these nozzles, the air is supplied in such a way that the material is swirled.
Low viscosity dispersion adhesives are best sprayed at low air volume and low pressure (LVLP) in order to avoid excessive spray mist formation. PILOT Maxi-ND-K and PILOT Vario-ND-K are ideally suited for this type of spraying work, especially as all wetted parts are made of stainless steel. The large-volume material duct ensures that flushing time is kept to a minimum. LVLP models with a high transfer efficiency effectively prevent material wastage.

**PILOT Maxi-ND-K**

**PILOT Vario-ND-K**

**PILOT XIII-ND**

**Versions:**

- PILOT Maxi-ND-K with gravity feed cup
  (Part No. V 11 623 03 . . 3)
- PILOT Maxi-ND-K with material connection 3/8”
  (Part No. V 11 620 02 . . 3)
- PILOT Vario-ND-K with gravity feed cup
  (Part No. V 11 724 02 . . 3)
- PILOT Vario-ND-K with material connection
  (Part No. V 11 725 02 . . 3)

PILOT XIII-ND is also suitable for spraying dispersion adhesives. It is frequently used in the upholstered furniture industry.

Part No. see page 15

**Environmental assessment**

The spray guns PILOT Maxi-ND-K, PILOT Vario-ND-K and PILOT XIII-ND ensure economical material application with environmentally friendly dispersion adhesives. They are ideally suited for meeting VOC regulations for adhesives.

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**Extrusion guns**

**Vario extrusion gun**

Especially suitable for spraying white glue, putty and other paste-like materials. All wetted parts are made of stainless steel.

Max. material pressure: 8 bar. Higher pressures available on request. The gun works with needle sealing, therefore there is no risk of material hardening at the nozzle.

Nozzle sizes: from 0.3 – 2.5 mm ø

Part No. V 10 252 00 000

**PILOT extrusion gun**

with tapered nozzle for high viscosity materials up to 350 bar.

The gun body is made of aluminium, the material connection of stainless steel.

Part No. V 10 250 00 000
2K adhesive spraying technology

PILOT III 2K
High-performance spray gun for spraying two-component dispersion adhesives. All parts in contact with the material are made of stainless steel.

Environmental assessment
The spray gun is especially suited for water-based two-component adhesives.

The PILOT III 2K can be optimally used in combination with the environmentally friendly PILOT RatioMaster material supply system. Solvent-based adhesives must not be used in this case.

Technical Features

<table>
<thead>
<tr>
<th>Nozzle ø A-component in mm</th>
<th>0.8</th>
<th>1.0</th>
<th>1.2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nozzle ø B-component in mm</td>
<td>0.3</td>
<td>0.4</td>
<td>0.5</td>
</tr>
</tbody>
</table>

Part No. V 24 531 21 ..3

Mixing in the spray jet
These spray guns do not require the use of 2K mixing and dosing equipment. The A-component and the B-component are supplied separately. Mixing takes place in the spray jet. The hardener is added via a horn bore.

The gun body is TEFLO N®-coated for easy cleaning. This spray gun is designed to use the PILOT RatioMaster material supply system.

PILOT Klebond 2
2K adhesive system with pressure tanks for dispersion adhesives

- Pressure tank MDG 45 or 22 for the A-component
- Pressure tank MDG 4 for the B-component
- Spray gun PILOT III-2K
- Air pressure regulator H2 with filter and T-piece for the compressed air supply to the two tanks and the spray gun
- Various hoses
- Hose protection

Advantages:
- No oven drying required - short curing periods at room temperature
- High resistance to chemical, mechanical and climatic loads
- High-quality adhesion results
- More environmental protection: VOC regulations can be complied with more easily as dispersion materials are used.
Both solvent-free and solvent-based materials can be sprayed, as the spray gun is explosion-protected.

The gun works with low pressure as the heated air means that only a low atomising pressure is required. The heating of the atomising air can be infinitely varied between 20 and 95 °C, depending on the properties of the spraying material.

PILOT IV HW

Hot wax spraying system. The wax is carefully heated in the flow cup and then applied with a low spraying pressure. This ensures minimum overspray and a high transfer efficiency.

Part No. V 87 960 00 000

PILOT SIL mirror silvering spray guns

available with two or three material nozzles. The nozzles are made of stainless steel. Both types have a pneumatic locking device.

Nozzle sizes: 0.8 - 1.5 mm ø.

Part No. V 24 133 51 . . 3

PILOT Misch-N

Two-component manual spray gun for materials with a short pot life. Both components are supplied to the gun via separate connections. Mixing takes place in the spray jet. The mixing ratio is determined by the different nozzle diameters and the material pressure. All wetted parts are made of stainless steel.

Part No. V 24 320 00 . . 3

PILOT WS - blasting gun

Part No. V 24 603 00 . . 2

PILOT IV EMM

dividing line applicator

Part No. V 11 422 61 . . 2

PILOT VIII G Air-Blow Gun

Part No. V 10 831 00 000

PILOT WG

with nozzle pipe, slit nozzle or round nozzle

Part No. V 24 620 15 . .

PILOT Pinsel

Applicators with hair-bristle brushes. Available in various sizes.

Part No. V 24 630 00 . .

PILOT VIII Air-Blow Gun

Part No. V 10 850 00 000

PILOT VIII G Air-Blow Gun

Part No. V 10 831 00 000
Extensions

Coatings need to be perfect even in hard to access places. For this reason, WALther PILOT supplies a wide range of extensions.

Extensions are custom-made parts. They always involve tailor-made solutions to specific problems. Please send for our special brochure. We will be happy to advise you.

Extension for coating the inside of pipes

Material pipe: stainless steel. Suitable for pipes with an inner diameter of up to 450 ccm.

PPS paint spraying system

for flow cup spray guns. Specially developed to simplify paint preparation. The paint is mixed directly in the cup and can be stored there.

Especially suitable for frequent colour changes. Furthermore, it allows spraying at any angle.

Equipment:
- Stainless steel adapter for WALther PILOT spray guns (for other manufacturers on request)  AFR 030 40 405
- Reusable mixing cup 0.7 litre and plastic sealing ring  AFR 030 40 400
- PPS kit for reordering: 50 non-reusable lids with integrated filter 200 µ  AFR 030 40 401
- PPS kit for reordering: 50 non-reusable lids with integrated filter 125 µ  AFR 030 40 402

Cleaning set Type K for air atomising spray guns
Part No. AFR 030 40 200

Cleaning set for airless spray guns
Part No. AFR 030 40 20x
Material filter, stainless steel
Strainer inserts in mesh sizes 36 and 130
Part No. V 33 153 00 003

Material feed pipe, brass, for various spray guns
Part No. V 10 307 10 000

Feed cups

Syphon-feed cup, aluminium
Part No. V 11 352 00 000

Aluminium gravity feed cups:
50 ccm, 100 ccm, 250 ccm,
350 ccm, 450 ccm, 700 ccm
Part No. V 00 130 00...

Plastic gravity feed cup
125 ccm, 450 ccm

Suspended pressure feed cup, aluminium

Asymmetrical gravity feed cup 450 ccm
Part No. V 00 150 00 000

Folding cup strainer with nylon fabric insert.
For paint, lacquer, primer.
Solvent-resistant.
Part No. AFR 030 40 300

Paint strainer for asymmetrical gravity feed cup
Part No. V 00 150 05 000

Hoses and Fittings
Couplings for compressed air and material
Hoses
Hose fittings
Clamps
Stop valves
T-pieces
Compressed air micrometer for setting the optimum atomising pressure

Wide range of nozzle / air cap systems
WALTHER PILOT offers a wide selection of nozzle / air cap systems for every spray gun.

They allow you to spray almost any material with optimum results, at the same time reducing overspray.

Repair kits
Repair kits are available for all standard WALTHER PILOT spray guns (including automatic spray guns) for the replacement of wearing parts such as nozzles and needles.

We recommend that you always keep a repair kit in stock to ensure that wearing parts can be replaced quickly.
Plan your spraying system with us.
The WALTHER PILOT range offers all components.