CATALOG

- Coating, Marking and Adhesive Systems
- Tanks and Material Transfer Systems
- Overspray Filtration, Spray Booths
Walther Pilot’s high quality tools and complete systems let you work comfortably and safely, while protecting the environment.

WALTHER PILOT is fully competent in every aspect of wet painting. The company can provide:

- Spray guns for manual or automatic operation
- Material transfer using pressure tanks or pumps
- Control of the spray procedure using pneumatic or electrical switchgear cabinets
- Brackets, mounting plates etc. for tank cover lifts, robots, and stationary installation
- Conveyors to move parts to the spray booth
- Spray booths and special endosures for automatic spray guns
- Drying systems

This symbol indicates particularly eco-friendly products.

We put particular emphasis on application systems that save material and protect the environment. That’s why many spray guns are available as medium-pressure, HVLP®-m or HVLP models. Further savings can be achieved by an exact adjustment of the spray jet to the workpiece contour. Thermal energy can generally be saved by using WALTHER PILOT spray booths.

Company headquarters and spray gun production are located in Wuppertal, Germany. Spray guns have been made here since 1923. State-of-the-art machining centers guarantee absolute precision and maximum customer benefit.

Spray Booths
- Open-face industrial booths etc.
- Air make-up units / dryers / conveyers
- Accessories for spray booths

WALTHER PILOT is a member of the Wagner Group.

Spray Booths

4 10 12 16
4 10 12 16
22 23 24
26 29 31 32 35
36 38 40 42 44
46 52 54 56 58
62 64 68
70 74 75
76 77 78

4 10 12 16
22 23 24
26 29 31 32 35
36 38 40 42 44
46 52 54 56 58
62 64 68
70 74 75
76 77 78
Manual Spray Guns

PILOT Premium
Top-class spray guns for excellent surface finishes. The innovative HVLPplus nozzle air cap technology was designed especially for these spray guns (and also for the PILOT WA 700 and WA 900 automatic spray guns). HVLPplus combines the advantages of HVLP and conventional atomization: optimum results are achieved and material is saved at the same time. This makes the PILOT Premium a unique spray gun.

Further advantages:
- Ergonomic gun body design
- All wetted parts: stainless steel
- Large material duct
- Body: galvanized cast aluminum
- “Super Cup” with solid, easy-to-remove filter insert
- Weight (gravity-feed cup version): 450 g
- Weight (version for material supply hose connection): 498 g
- Material pressure: max. 8 bar
- Atomizing pressure: depends on model

Wide-to-round jet nozzle insert 3.0 mm ø     3 0
Wide-to-round jet nozzle insert 2.5 mm ø     2 5
Wide-to-round jet nozzle insert 2.2 mm ø     2 2
Wide-to-round jet nozzle insert 2.0 mm ø     2 0
Wide-to-round jet nozzle insert 1.8 mm ø     1 8
Wide-to-round jet nozzle insert 1.5 mm ø (standard)     1 5
Wide-to-round jet nozzle insert 1.2 mm ø     1 2
Wide-to-round jet nozzle insert 1.0 mm ø     1 0
Wide-to-round jet nozzle insert 0.8 mm ø     0 8
Wide-to-round jet nozzle insert 0.5 mm ø     0 5
Wide-to-round jet nozzle insert 0.3 mm ø     0 3

Wide-to-round jet nozzle insert 3.0 mm ø     3 0
Wide-to-round jet nozzle insert 2.5 mm ø     2 5
Wide-to-round jet nozzle insert 2.2 mm ø     2 2
Wide-to-round jet nozzle insert 2.0 mm ø     2 0
Wide-to-round jet nozzle insert 1.8 mm ø     1 8
Wide-to-round jet nozzle insert 1.5 mm ø (standard)     1 5
Wide-to-round jet nozzle insert 1.2 mm ø     1 2
Wide-to-round jet nozzle insert 1.0 mm ø     1 0
Wide-to-round jet nozzle insert 0.8 mm ø     0 8
Wide-to-round jet nozzle insert 0.5 mm ø     0 5
Wide-to-round jet nozzle insert 0.3 mm ø     0 3

PILOT Maxi
Spray gun for the finest surface finishes. All wetted parts: stainless steel. Water-borne coatings and aggressive media can be sprayed without any problems. Large selection of nozzle sizes. The PTFE-coated gun body ensures easy cleaning. The transfer efficiency of the HVLP and medium-pressure models is more than 70%.
- Weight: 440 g
- Material pressure: max. 8 bar
- Atomizing pressure: depends on model

Standard-spray gun PILOT Maxi
- Gravity-feed cup , 450 cm³
- Material connection, G 3/8”
- Siphon-feed cup, 1,000 cm³

HVLP spray gun PILOT Maxi-ND
- Gravity-feed cup, 450 cm³
- Material connection, G 3/8”
- Siphon-feed cup, 800 cm³

Medium pressure spray gun PILOT Maxi-MD
- Gravity-feed cup, 450 cm³
- Material connection, G 3/8”
- Siphon-feed cup, 1,000 cm³

PILOT Mini
Light and easy-to-use spray gun, made of high-grade plastic, for spraying small parts and objects as well as retouching and decorative jobs. Wetted parts: stainless steel. Water-borne materials and aggressive media can be sprayed without any problems. Large selection of nozzle sizes for a variety of applications. The ergonomic grip ensures that the gun lies comfortably in your hand. The economical medium-pressure model guarantees particularly high transfer efficiency.
- Weight: 295 g
- Material pressure: max. 8 bar
- Atomizing pressure: depends on model

Standard-spray gun PILOT Mini
- Gravity-feed cup, 125 cm³, with filter 200 mesh
- Material connection, G 1/4
- Siphon-feed cup, 600 cm³ (only on standard-spray gun)

Medium pressure spray gun PILOT Mini-MD
- Gravity-feed cup, 125 cm³
- Material connection, G 3/8”
- Siphon-feed cup, 2,000 cm³ (only on standard-spray gun)
PILOT Trend

Good value spray gun for all everyday paint jobs. Best surface finishes with extremely precise WALTHER PILOT air cap technology. Nozzle and needle: stainless steel. Ergonomic design with study nickel-plated, highly compressed aluminum body. The economical medium-pressure model ensures particularly high transfer efficiency. With standard plastic gravity-feed cup, 600 ccm.

- Weight: 438 g
- Material pressure: max. 8 bar
- Atomizing pressure: according to model

Standard spray gun PILOT Trend

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V 10 60 03</td>
<td>Gravity-feed cup, 600 ccm</td>
</tr>
<tr>
<td>V 10 61 04</td>
<td>Material connection, G 1/4&quot;</td>
</tr>
<tr>
<td>V 10 62 04</td>
<td>Siphon-feed cup, 1,000 ccm</td>
</tr>
</tbody>
</table>

Medium pressure spray gun PILOT Trend-MD

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V 10 63 04</td>
<td>Gravity-feed cup, 600 ccm</td>
</tr>
<tr>
<td>V 10 64 04</td>
<td>Material connection, G 1/4&quot;</td>
</tr>
<tr>
<td>V 10 65 04</td>
<td>Siphon-feed cup, 1,000 ccm</td>
</tr>
<tr>
<td>V 10 66 04</td>
<td>Suspended pressure-feed cup (in preparation)</td>
</tr>
</tbody>
</table>

Wide-to-round jet nozzle insert options:
- 0.5 mm ø
- 0.8 mm ø
- 1.0 mm ø
- 1.2 mm ø
- 1.5 mm ø (standard)
- 2.0 mm ø
- 2.5 mm ø

PILOT III F

Versatile standard model for all everyday paint jobs. PTFE-coated gun body for easy cleaning. The type of material supply can be varied as required. The gravity-feed cup can be quickly removed and the opening sealed, allowing a material hose to be fitted instead. Large selection of nozzle sizes.

- Weight: 590 g
- Material pressure: 8 bar
- Atomizing pressure: according to model

Standard spray gun PILOT III F

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V 10 30 02</td>
<td>Gravity-feed cup, 600 ccm</td>
</tr>
<tr>
<td>V 10 31 02</td>
<td>Material connection, G 3/8&quot;</td>
</tr>
<tr>
<td>V 10 32 02</td>
<td>Material feed pipe</td>
</tr>
<tr>
<td>V 10 33 02</td>
<td>Siphon-feed cup, 1,000 ccm</td>
</tr>
</tbody>
</table>

Medium pressure spray gun PILOT III F-MD

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V 10 34 02</td>
<td>Gravity-feed cup, 600 ccm</td>
</tr>
<tr>
<td>V 10 35 02</td>
<td>Material connection, G 3/8&quot;</td>
</tr>
<tr>
<td>V 10 36 02</td>
<td>Material feed pipe</td>
</tr>
<tr>
<td>V 10 37 02</td>
<td>Siphon-feed cup, 1,000 ccm</td>
</tr>
</tbody>
</table>

Wide-to-round jet nozzle insert options:
- 0.5 mm ø
- 0.8 mm ø
- 1.0 mm ø
- 1.2 mm ø
- 1.5 mm ø (standard)
- 2.0 mm ø
- 2.5 mm ø

PILOT XIII

Robust heavy-duty spray gun for all everyday paint jobs. All wetted parts: stainless steel. Water-borne coatings and aggressive media can be sprayed without any problems. Large selection of nozzle sizes. Gun body: highly compressed aluminum. The front body is made entirely of stainless steel.

- Weight: 760 g
- Material pressure: max. 8 bar
- Atomizing pressure: according to model

Standard spray gun PILOT XIII

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V 11 30 03</td>
<td>Gravity-feed cup, 600 ccm</td>
</tr>
<tr>
<td>V 11 31 03</td>
<td>Material connection, G 3/8&quot;</td>
</tr>
<tr>
<td>V 11 32 03</td>
<td>Siphon-feed cup, 1,000 ccm</td>
</tr>
</tbody>
</table>

HVLP spray gun PILOT XIII-ND

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V 11 33 03</td>
<td>Pressure-feed cup, 600 ccm</td>
</tr>
<tr>
<td>V 11 34 03</td>
<td>Material connection, G 3/8&quot;</td>
</tr>
<tr>
<td>V 11 35 03</td>
<td>Siphon-feed cup, 1,000 ccm</td>
</tr>
</tbody>
</table>

Wide-to-round jet nozzle insert options:
- 0.5 mm ø
- 0.8 mm ø
- 1.0 mm ø
- 1.2 mm ø
- 1.5 mm ø (standard)
- 2.0 mm ø
- 2.5 mm ø
- 3.0 mm ø
- 3.5 mm ø

PILOT XIII-U

As above, but a version for material recirculation with special front body. Spray gun for conventional atomizing. Wide-to-round jet nozzle insert options:

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 - 0.8</td>
<td>V 11 33 03</td>
</tr>
<tr>
<td>1.0 - 1.2</td>
<td>V 11 34 03</td>
</tr>
<tr>
<td>1.5 - 2.5</td>
<td>V 11 35 03</td>
</tr>
</tbody>
</table>

PILOT XIII-50 bar

High-pressure spray gun (operating pressure max. 50 bar). Can be used with pressure-regulated pumps. Nozzle/air cap system options:

- 1.0 / 1.5 / 2.0 / 2.5 mm ø
- 3.0 / 3.5 mm ø

PILOT Misch-N

Two-component spray gun for sophisticated surface finishing, particularly for applying chrome finishes. The coating can be used on almost all substrates: metal, wood, ceramic, plastic etc. The two components are supplied to the gun via separate connections. Mixing takes place in the spray jet. The mixing ratio is determined by the nozzle diameters and the material pressure. The jet width is adjustable. All wetted parts are made of stainless steel.

Spray gun with same nozzle size for both components

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5</td>
<td>V 24 320 00</td>
</tr>
<tr>
<td>0.8</td>
<td>V 24 321 00</td>
</tr>
<tr>
<td>1.0</td>
<td>V 24 322 00</td>
</tr>
<tr>
<td>1.2</td>
<td>V 24 323 00</td>
</tr>
<tr>
<td>1.5</td>
<td>V 24 324 00</td>
</tr>
<tr>
<td>1.8</td>
<td>V 24 325 00</td>
</tr>
<tr>
<td>2.0</td>
<td>V 24 326 00</td>
</tr>
<tr>
<td>2.5</td>
<td>V 24 327 00</td>
</tr>
</tbody>
</table>

Spray guns with different nozzle sizes for the various components available on request.
PILOT IV – The Classic
Attractive spray gun in a nostalgic design with a wooden handle and plastic gravity-feed cup, 600 ccm. Lightweight alloy body. Also available with paint feed pipe (see p. 43)
- Weight: 630 g
- Material pressure: max. 8 bar
- Atomizing: max. 8 bar

**Spray gun PILOT IV**

<table>
<thead>
<tr>
<th>Insert type</th>
<th>Ø (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wide-to-round jet nozzle insert 0.5 mm</td>
<td>0 5</td>
</tr>
<tr>
<td>Wide-to-round jet nozzle insert 0.8 mm</td>
<td>0 8</td>
</tr>
<tr>
<td>Wide-to-round jet nozzle insert 1.0 mm</td>
<td>1 0</td>
</tr>
<tr>
<td>Wide-to-round jet nozzle insert 1.2 mm</td>
<td>1 2</td>
</tr>
<tr>
<td>Wide-to-round jet nozzle insert 1.5 mm (standard)</td>
<td>1 5</td>
</tr>
<tr>
<td>Wide-to-round jet nozzle insert 1.8 mm</td>
<td>1 8</td>
</tr>
<tr>
<td>Wide-to-round jet nozzle insert 2.0 mm</td>
<td>2 0</td>
</tr>
<tr>
<td>Wide-to-round jet nozzle insert 2.5 mm</td>
<td>2 5</td>
</tr>
<tr>
<td>Wide-to-round jet nozzle insert 3.0 mm</td>
<td>3 0</td>
</tr>
</tbody>
</table>

PILOT I
Spray gun for decorative work, with plastic gravity-feed cup, 125 ccm, for model making and many other fine spraying jobs. Also available with paint feed pipe (see p. 43)
- Weight: 260 g
- Material pressure: max. 8 bar
- Atomizing pressure: max. 8 bar

**With round-jet nozzle insert**

<table>
<thead>
<tr>
<th>Insert type</th>
<th>Ø (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nozzle insert 0.2 mm (only for round jet)</td>
<td>0 2</td>
</tr>
<tr>
<td>Nozzle insert 0.3 mm</td>
<td>0 3</td>
</tr>
<tr>
<td>Nozzle insert 0.5 mm</td>
<td>0 5</td>
</tr>
<tr>
<td>Nozzle insert 0.8 mm</td>
<td>0 8</td>
</tr>
<tr>
<td>Nozzle insert 1.0 mm</td>
<td>1 0</td>
</tr>
<tr>
<td>Nozzle insert 1.2 mm</td>
<td>1 2</td>
</tr>
<tr>
<td>Nozzle insert 1.5 mm</td>
<td>1 5</td>
</tr>
</tbody>
</table>

**With wide-jet nozzle insert**

<table>
<thead>
<tr>
<th>Insert type</th>
<th>Ø (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nozzle insert 0.2 mm</td>
<td>0 2</td>
</tr>
<tr>
<td>Nozzle insert 0.3 mm</td>
<td>0 3</td>
</tr>
<tr>
<td>Nozzle insert 0.5 mm</td>
<td>0 5</td>
</tr>
<tr>
<td>Nozzle insert 0.8 mm</td>
<td>0 8</td>
</tr>
<tr>
<td>Nozzle insert 1.0 mm</td>
<td>1 0</td>
</tr>
<tr>
<td>Nozzle insert 1.2 mm</td>
<td>1 2</td>
</tr>
<tr>
<td>Nozzle insert 1.5 mm</td>
<td>1 5</td>
</tr>
</tbody>
</table>

WAGNER airless gun AG 14 F
Standard airless spray gun
- Material pressure up to 270 bar
- Integrated material filter
- Swiveling material connection, G 1/4" NPS
With holder for standard nozzles
With holder for tip nozzles
All conventional airless nozzles available; table of nozzles available on request.

WAGNER airless gun G 15
Standard airless spray gun
- Material pressure up to 530 bar
- Integrated material filter
- Swiveling material connection, G 1/4" NPS
With holder for standard nozzles
With holder for tip nozzles
All conventional airless nozzles available; table of nozzles available on request.

WAGNER AirCoat-gun GM 4100 AC
The AirCoat spray gun is available in two versions:
160 bar or 250 bar – depending on the material pressure required for various applications. The 160 bar spray gun requires less trigger pressure than the 250 bar version.
The spray gun is suitable for both solvent- and water-based paints.
- Ultra-lightweight: 437 g
- Slotted filter in material channel
- Slender, ergonomic handle
- Material connection G 1/4" NPSM
- Air connection G 1/4"
- Material pressure: Optional 160 or 250 bar
The basic spray gun bodies can be equipped with air caps, nozzles etc. on request.

WAGNER AirCoat gun
The new AirCoat spray gun is available in two versions:
160 bar or 250 bar – depending on the material pressure required for various applications. The 160 bar spray gun requires less trigger pressure than the 250 bar version.
The spray gun is suitable for both solvent- and water-based paints.
- Weight: 596 g
- Newly developed cage filter with filter housing that can be removed by hand, without tools.
- Standard handle
- Material connection G 1/4" NPSM
- Air connection G 1/4"
- Material pressure: Optional 160 or 250 bar
The basic spray gun bodies can be equipped with air caps, nozzles etc. on request.

Airbrush artist Thibault Tosseram works with a PILOT I spray gun.
Special Spray Guns

PILOT Premium AR
Spray gun with a special air cap designed for abrasive media such as ceramics, enamel or engobes.
- Nozzle and needle: stainless steel, vacuum tempered.
  - With plastic gravity-feed cup, 600 ccm: V 10 731 04
  - With material connection G 3/8" V 10 732 04
    - Nozzle insert 1.0 mm ø: 1.0
    - Nozzle insert 1.5 mm ø: 1.5
    - Nozzle insert 1.8 mm ø: 1.8
    - Nozzle insert 2.0 mm ø: 2.0
    - Nozzle insert 2.5 mm ø: 2.5
    - Nozzle insert 3.0 mm ø: 3.0

PILOT Twin
Spray gun for low-viscosity-materials such as mold separating agents
(see p. 15)
- Nozzle Twin: V 11 531 00
  - Nozzle insert 0.2 mm ø: 0.2
  - Nozzle insert 0.3 mm ø: 0.3
  - Nozzle insert 0.5 mm ø: 0.5
  - Nozzle insert 0.8 mm ø: 0.8
  - Nozzle insert 1.0 mm ø: 1.0
  - Nozzle insert 1.2 mm ø: 1.2
  - Nozzle insert 1.5 mm ø: 1.5

PILOT IV EM
Spray gun for spraying viscous materials, plastic gravity-feed cup, 600 ccm
- With round-jet nozzle insert: V 11 411 51
  - Nozzle insert 1.5 mm ø: 1.5
  - Nozzle insert 2.5 mm ø: 2.5
  - Nozzle insert 5.0 mm ø: 5.0
- With wide-jet nozzle insert: V 11 411 21
  - Nozzle insert 1.5 mm ø: 1.5
  - Nozzle insert 2.5 mm ø: 2.5
  - Nozzle insert 5.0 mm ø: 5.0

PILOT II
Round-jet spray gun with wooden handle. Body: nickel-plated brass, plastic gravity-feed cup, 600 ccm
- With round-jet nozzle insert: V 10 201 51
  - Round-jet nozzle insert 0.8 mm ø: 0.8
  - Round-jet nozzle insert 1.0 mm ø: 1.0
  - Round-jet nozzle insert 1.2 mm ø: 1.2
  - Round-jet nozzle insert 1.5 mm ø: 1.5
  - Round-jet nozzle insert 2.0 mm ø: 2.0
  - Round-jet nozzle insert 3.0 mm ø: 3.0

PILOT IX
Spray gun for use with oil, gasoline and kerosene mixes.
With suspended 700 ccm plastic cup. Adjustable spray head.
- V 10 841 00 010

PILOT SIL
Mirror-silvering spray gun.
Nozzle size options available on request.
- PILOT SIL 42 with two spray caps: V 24 432 51
- PILOT SIL 43 with three spray caps: V 24 433 51

PILOT WS
Blast cleaning gun.
- PILOT WS: V 24 603 00
  - Nozzle insert 5.0 mm ø: 5.0
  - Nozzle insert 6.0 mm ø: 6.0
  - Nozzle insert 7.0 mm ø: 7.0

PILOT WP
Water atomization gun
- PILOT WP: V 24 602 00
  - Nozzle insert 1.0 mm ø: 1.0
  - Nozzle insert 1.2 mm ø: 1.2
  - Nozzle insert 1.5 mm ø: 1.5
  - Nozzle insert 1.8 mm ø: 1.8
  - Nozzle insert 2.0 mm ø: 2.0

PILOT VIII
Air-blow gun
Gun body: brass; nozzle: nickel-plated brass
- V 10 850 00 000

PILOT VIII G
Air-blow gun
Gun body: light metal alloy; nozzle: nickel-plated brass
- V 10 831 00 000
Spray Guns / Coating Systems

Spray Guns and Coating Systems with Pressure Tanks

Standard systems with MDG / Agitators / Accessories

Agitators as per specifications
Manual agitator, air-powered agitator, electrically powered agitators. Also see p. 52 for matching agitators.

Impellers
A variety of impellers is available, meeting diverse application needs; see p. 53.

Spray guns as required
Standard and medium pressure, HVLPPlus and HVLP models. See p. 4 ff. The regulator for the spray gun may be attached to the tank. Please be sure to use filtered compressed air.

Material pressure tank, Series MDG
- Galvanized or stainless steel; size as desired: 12, 22*, 24, 45*, 60 liters. Additional sizes on request. See also p. 48 ff.
- Hose package:
  - 5 m compressed air hose from compressed air regulator at the pressure vessel to the spray gun
  - 5 m material hose from pressurized material tank to spray gun
- With the MDG 22 and MDG 45 models, the paint shipping cans from the factory can be inserted in the tank. The paint is then drawn directly from the drum; this reduces the effort required for cleaning.

Material pressure tank, Series LDG
- Stainless steel; size as desired: 5, 10, 20 liters. See also p. 50 ff.
- Hose package:
  - 5 m compressed air hose from compressed air regulator at the pressure vessel to the spray gun
  - 5 m material hose from pressurized material tank to spray gun.

Suction strainer
or material filters with inserts
See p. 50

Insert bucket
Galvanized or stainless steel, for all standard pressure tanks. See p. 54
- Material splitter and additional outlet valve. See p. 54
- Separate air control unit. See p. 44
- Pneumatic cover lifts (for MDG 45 and MDG 60). See p. 59

Trolley
Several versions, depending on tank size
See p. 54

Fill level sensors
for capacitive level detection or min. and max. level detection. See p. 55

Important!
A stainless steel container is recommended for use with water-based materials, unless you are working from the original shipping containers. In this case, it is important to ensure that the wetted parts (e.g. the pipe to the material outlet valve) are made of stainless steel.

Preferable are spray guns where all wetted parts made of steel, e.g. PILOT Premium, PILOT Maxi, PILOT Mini, PILOT XIII.

Economical spray system with lightweight pressure tank
For use with low-viscosity media. A real alternative to spray guns with an attached cup in regard to convenient, fatigue-free work.

Consisting of:
- Pressure tank made of lightweight metal, LCB-2, with tandem fittings, safety valve, carry handle, max. operating pressure: 2.5 bar; useful capacity: 1.8 liters

Optional:
- Standard PILOT Trend spray gun (see p. 6)
- PILOT Trend-MD medium-pressure spray gun
- Hose package

Example: Small-scale spray system
with lightweight stainless steel pressure tank, type LDG 10, and PILOT Maxi spray gun

Accessories

Splitter
Material splitter and additional outlet valve for the connection of a second spray gun. See p. 54

Air control unit
See p. 44

Suction strainer
or material filters with inserts. See p. 50

Inliner
for use with pressure tanks LDG 5 and LDG 10. See p. 51
Spray Guns / Coating Systems

**Spray-Coating Systems with Pumps**

**SprayPak A – Compact spraying unit with diaphragm pump MBP 5212**
The pneumatically operated filter and pressure regulator ensures quiet operation and an even spray jet. Easy handling.

Consisting of:
- Diaphragm pump type MBP 5212, optionally on a stand, trolley or console
- Three pressure regulator valves (for gun, pump and pulsation damper) with manometer
- Pneumatically operated filter/compressed air regulator (=pulsation damper)
- Suction set for 30 liter drum
- Hose set with 7.5 m compressed air hose and 7.5 m material hose
- PILOT Premium spray gun or PILOT Maxi (please specify nozzle insert size when ordering). Other spray guns available on request.

Part No: Please replace □ with:
1 = Stand, 2 = Trolley, 4 = Console for wall mounting

**SprayPak A-LC – Compact spraying unit with diaphragm pump MBP 5212 and material filter**
Consisting of:
- Diaphragm pump type MBP 5212, optionally on a stand, trolley or console
- Two pressure regulator valves (for gun and pump) with manometer
- Suction set for 30 liter drum
- Hose set with 7.5 m compressed air hose and 7.5 m material hose
- PILOT Trend spray gun (please specify nozzle insert size when ordering)

**SprayPaks to process larger transfer quantities**
Especially when it is a matter of transferring material from drums and paint mixing tanks to the spray gun, a SprayPak is first choice. Tandem diaphragm pumps in a wide performance spectrum and housing designs offer a guarantee of optimum flow properties. The systems are custom-assembled to your production requirements and offer a maximum of process reliability and environment protection. Please also refer to pages 58 to 62 (pneumatic cover lifts, diaphragm pumps).

**Airless and AirCoat PILOT Gordon and PILOT Bestwin units**
High-pressure pumps for a variety of pressure ratios and transfer volumes, see p. 64 ff.
High-pressure hose and spray gun upon request

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**Special-Purpose Coating Systems**

**Type TR-2 separating agent spraying system**
Consisting of:
- Lightweight LCB 2 pressure tank, capacity 2 liters, with twin fitting and safety valve
- PILOT Twin spray gun with HVLP air cap technology
- Included with the PILOT Twin are two plastic rings used to shape the spray jet. The width of the jet can – as required – be reduced, which also reduces the amount of material consumed. Standard equipment for the spray guns are a high-quality HVLP air cap; nozzle and needle: stainless steel; body: aluminum.
- Low weight: 235 g.
- Nozzle insert as desired: 0.2 / 0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm ø
- Hose package, PILOT PU Twin, 5 m (the hoses are electrically conductive)

**Coating system for ceramics, enamel, engobe**
Consisting of:
- Material pressure tank, type MDG, galvanized or stainless steel, size as desired: 12, 22*, 24, 45*, 60 liters – additional sizes on request. See also p. 46 ff.
- PILOT Premium AR. Please be sure to use filtered compressed air.
- 5 m compressed air hose from compressed air regulator at the pressure vessel to the spray gun
- 5 m material hose from pressurized material tank to spray gun

* With the MDG 22 and MDG 45 models, the paint shipping cans from the factory can be inserted in the tank. The paint is then drawn directly from the drum; this reduces the effort required for cleaning.

**Hot wax spraying system PILOT IV HW**
The wax is gently warmed in the cup and then applied at low temperature. Low overspray and high transfer efficiency.

**PILOT Airtherm**
- For use with solvent-based as well as solvent-free coating materials.
- The atomizing air can be adjusted to any temperature between 20°C and 95°C.
- High transfer efficiency
- Short drying times
- Hose length: 7.5 m

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**Airtherm**
- V 87 980 00 000
- Airtherm explosion-proof, PILOT Maxi ND (gravity-feed cup) V 87 981 11 633
- Optional accessory: double ball joint for greater freedom of movement V 00 001 04 000

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**Agitator station with drip pan, pneumatic cover lift, and SprayPak**

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**PILOT Gordon airless unit with Wagner AG 14 spray gun**
Spray Guns / Coating Systems

**Automatic Spray Guns**

PILOT WA 900

The internally controlled PILOT WA 900 spray gun series involves a simple modular system to suit any and all coating requirements. The front section and all wetted parts are made of stainless steel. Since two different quick-change adapter plates are available, the plate has to be ordered separately.

- Material volume adjustment with notch-type
- Wide-to-round-jet nozzle inserts available:
  - 0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 / 1.8 / 2.0 / 2.2 / 2.5 / 3.0 / 3.5 mm ø

**Spray gun versions:**
- PILOT WA 900: Standard version
- PILOT WA 920: HVLP version
- PILOT WA 940: HVLPPlus version

**Quick-change adapter plate versions:**
- Adapter plate (aluminum) for recirculating systems
- Adapter plate (stainless steel) for recirculating systems
- Adapter plate (aluminum) for recirculating systems – material feed left

**Mountings for automatic spray guns:**
- Cross clamp, flange clamp, foot clamp, angle clamp etc.

The PILOT WA 905 is ideal for use with robots.

We are happy to advise you.

Please contact us for further details.

PILOT WA 905

The PILOT WA 905 spray gun series is designed for external control. A modular system ensures that all coating requirements will be met. The front section and all wetted parts are made of stainless steel. Since two different quick-change adapter plates are available, the plate has to be ordered separately.

- Material volume adjustment with notch-type fine adjustment
- Wide-to-round-jet nozzle inserts available:
  - 0.5 / 0.8 / 1.0 / 1.2 / 1.5 / 1.8 / 2.0 / 2.2 / 2.5 mm ø

**Spray gun versions:**
- PILOT WA 905: Standard version
- PILOT WA 925: HVLP version
- PILOT WA 945: HVLPPlus version

**Quick-change adapter plate versions:**
- Adapter plate (aluminum)
- Adapter plate (aluminum) for recirculating systems
- Adapter plate (stainless steel) – material feed left
- Adapter plate (stainless steel) for recirculating systems

Mountings for automatic spray guns: cross clamp, flange clamp, foot clamp, angle clamp etc.

We are happy to advise you.

Please contact us for further details.
PILOT WA 700

Thanks to the HVLP^Plus nozzle/air cap system, the PILOT WA 700 series of automatic spray guns offers the finest results while at the same time saving material. Depending on the application required, the spray gun is available with internal or external control.
- Front body and all wetted parts: stainless steel.
- Material volume adjustment with notch-type fine adjustment.
- Wide-to-round-jet nozzle inserts available: 0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 / 1.8 / 2.0 / 2.2 / 2.5 / 3.0 / 3.5 mm ø

PILOT WA 700-AR

PILOT WA 720-AR

PILOT WA 740-HVLP^Plus-

PILOT WA 750-HVLP^Plus-U

PILOT WA 705: Standard version

PILOT WA 755-HVLPPlus-U: HVLPPlus version (recirculation)

PILOT WA 710-U: Standard version (recirculation)

PILOT WA 715-U: Standard version (recirculation)

PILOT WA 720-ND: HVLP version

PILOT WA 725-ND: HVLP version

PILOT WA 730-ND-U: HVLP version (recirculation)

PILOT WA 735-ND-U: HVLP version (recirculation)

Versions WA 700-AR (for abrasive media)

PILOT WA 760-AR version with internal control

PILOT WA 761 AR version without internal control

Versions WA 700-AR version with internal control

PILOT WA 761 AR version without internal control

PILOT WA XV

PILOT WA XV (pullbar version)

PILOT WA XV-ND: HVLP version with pullbar for manual nozzle opening

PILOT WA XV-ND-U: HVLP version for recirculating systems

Wide-to-round-jet nozzle inserts available: 0.8 / 1.0 / 1.2 / 1.3 / 1.5 / 1.8 / 2.0 mm ø

PILOT WA XV Membrane

PILOT WA XV Model with diaphragm instead of needle seal packing, for working with special spray media, e.g. abrasive media

Wide-to-round-jet nozzle inserts available: 0.3 / 1.0 / 2.0 mm ø

PILOT WA XV-ND-U: HVLP version (recirculation)

PILOT WA XV-U: Standard version (recirculation)

PILOT WA XV: Standard version without pullbar

PILOT WA XV-ND: HVLP version with pullbar for manual nozzle opening

PILOT WA XV: The hard-wearing and economical automatic spray guns in this series are suitable for all standard spraying jobs.

- The front body and all wetted parts are made of stainless steel.
- The guns come with an internal control feature to open and close the atomizing air input.
- Wide-to-round-jet nozzle inserts available: 0.5 / 0.8 / 1.0 / 1.2 / 1.5 / 1.8 / 2.0 / 2.2 / 2.5 / 3.0 / 3.5 mm ø

PILOT WA XV Models:

- PILOT WA XV: Standard version without pullbar
- PILOT WA XV-U: Standard version (recirculation)
- PILOT WA XV pullbar: Standard version with pullbar for manual nozzle opening

PILOT WA XV (pullbar version)

PILOT WA XV-ND: HVLP version with pullbar for manual nozzle opening

PILOT WA XV-ND-U: HVLP version for recirculating systems

Membrane: Model with diaphragm instead of needle seal packing, for working with special spray media, e.g. abrasive media

Wide-to-round-jet nozzle inserts available: 0.3 / 1.0 / 2.0 mm ø

PILOT Misch-Automatik

Two-component spray gun for sophisticated surface finishes.

The coating can be applied onto almost all substrates: metal, wood, ceramic, plastic, etc.

The two components are supplied to the gun via separate connections.

Mixing takes place in the spray jet.

- The jet width is adjustable.
- All wetted parts are made of stainless steel.
- Available nozzle inserts (same nozzle size for both components): 0.5 / 0.8 / 1.0 / 1.2 / 1.5 / 1.8 / 2.0 / 2.2 / 2.5 mm ø

PILOT Misch-Automatik is available as a newer, lighter model.
**Compact-Size Automatic Spray Guns**

**PILOT WA 51**
Miniature automatic spray gun for the most delicate spraying jobs
- Wide-jet nozzle inserts available: 0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm ø

**PILOT WA 81 – the “Pipe Crawler”**
Spray gun particularly suited to coating inner pipe surfaces.
- The circular shaped spray jet is produced by a special disk-type nozzle.
- The gun is made entirely of stainless steel.

**PILOT WA 100**
This compact-size spray gun is ideally suited for use with robots. The gun body is made of hard-coated aluminum. The wide and round jets are controlled externally.
- Nozzle and needle: stainless steel.
- Wide-to-round-jet nozzle inserts available:
  0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 / 1.8 /2.0 / 2.2 mm ø

**Models:**
- PILOT WA 100: Standard version
- PILOT WA 100: Standard version – recirculating
- PILOT WA 100: Stainless steel gun body
- PILOT WA 100: Recirculation version - stainless steel
- PILOT WA 100-MD: Medium pressure version

**PILOT WA 110**
Miniature automatic spray gun with clamp.
- All wetted parts: stainless steel.
- Wide-jet nozzle insert: 0.3 mm ø. Other nozzle sizes on request.

**PILOT WA 600**
- Small automatic spray gun for the finest surface finishes, featuring internal control of the spray action. Material volume regulation with notch-type fine adjustment.
- All wetted parts: stainless steel.
- Wide-to-round-jet nozzle inserts available:
  0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 / 1.8 /2.0 / 2.2 mm ø

**Models:**
- PILOT WA 600: Standard version (for conventional spraying)
- PILOT WA 610-U: Standard for recirculation systems
- PILOT WA 625-MD: Medium-pressure version
- PILOT WA 635-MD-U: Version for recirculation systems

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**Airless / Air-Assisted Airless**

**PILOT WA 21**
Miniature airless automatic spray gun
- Stainless steel gun body
- All standard nozzles available
- Table of nozzles available on request
- Without nozzle; max. operating pressure: 120 bar

**PILOT WA 30**
Compact-size airless spray gun
- Hard-coated aluminum gun body
- All standard nozzles available
- Table of nozzles available on request
- Without nozzle; max. operating pressure: 350 bar
- As above, but for recirculation systems

**PILOT WA 30 Edelstahl**
Compact-size airless spray gun
- Stainless steel gun body
- All standard nozzles available
- Table of nozzles available on request
- Without nozzle; max. operating pressure: 350 bar
- As above, but for recirculation systems

**WAGNER AirCoat Automatik GA 4000 AC EC, external control**
- As above, but for recirculation systems
- Without nozzle; max. operating pressure: 350 bar
- As above, but for recirculation systems

**For Spraying Small Parts / Intricate Spraying Jobs**

**PILOT Signier**
This spray gun is suitable for a wide variety of delicate spraying jobs.
- Gun body: nickel-plated brass
- Nozzle: stainless steel
- Air caps: round or wide-jet air cap
- Nozzle inserts available: 0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm ø

**PILOT Signier:**
- With round-jet nozzle inserts available:
- Metering valve
- With wide-jet nozzle insert:
- With additional function to clean the nozzle / air cap

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**PILOT WA 110 with mounting bracket**
**PILOT WA 100, gun body made of stainless steel**
Automatic Spray Guns for Marking

Standard Models

PILOT Signier
- Fully automatic spray gun for dot or line marking
- Gun body: nickel-plated brass
- Nozzle: stainless steel
- Air cap: round or wide-jet air cap
- With nozzle insert available: 0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm ø

Models:
- PILOT Signier: With round-jet nozzle insert
- PILOT Signier: Recirculation version
- PILOT Signier: With wide-jet nozzle insert
- PILOT Signier: With flushing function to clean nozzle/air cap
- PILOT Signier: Recirculation version with flushing function

PILOT WA 200
- Fully automatic spray gun
- Front section and all wetted parts: stainless steel
- With nozzle insert available: 0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm ø

PILOT WA 200: With round-jet nozzle insert
PILOT WA 200: With wide-jet nozzle insert
PILOT WA 200: Model made completely of stainless steel

Special spray guns for specific materials

PILOT Signier-Membrane
- Sturdy, fully automatic spray gun with a diaphragm instead of a needle seal packing.
- Particularly suitable for the application of abrasive or moisture-curing media.
- Front section and all wetted parts: stainless steel.
- With nozzle insert available: 0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm ø

PILOT Signier Membrane: With round-jet nozzle insert
PILOT Signier Membrane: With wide-jet nozzle insert

PILOT WA 210-H
- Fully automatic spray gun
- Front section and all wetted parts: Hastelloy®. Particularly suitable for use with acids and bases.
- Material volume regulation
- With nozzle insert available: 0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm ø

PILOT WA 210-H: With round-jet nozzle insert
PILOT WA 210-H: With wide-jet nozzle insert

Special spray guns with reduced space requirements

PILOT WA 51
- Miniature spray gun for external control of the atomization parameters
- All wetted parts: stainless steel
- Also available with material volume regulation
- Nozzle insert available: 0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm ø

PILOT WA 51: With round-jet nozzle inserts
PILOT WA 51: With wide-jet nozzle inserts

Marking Accessories

Pneumatically Controlled Marking Blocks
- Low-wear diaphragm-type pistons are used here. Character heights between 40 and 200 mm. Marking speed: max. 54 m/min. The blocks are optionally available with flushing feature. Blocks may be fitted with any desired number of spray guns.

Electromagnetic Marking Block (ES Series)
- The nozzles of this marking block are directly controlled by solenoid valves, thus enabling very short switching times. The maximum conveyor speed is approx. 78 m/min.
- The block is available with a flushing function. Standard equipment for these systems is 7 or 9 nozzles.

Mountings / Marking Bridges
- WALTHER PILOT also supplies mountings which allow spray guns to execute multiple encoding.
- We also offer tailor-made solutions for your production, including marking bridges.

Flushing Valve
- for spray nozzle/air cap cleaning. It mixes air and solvent in a way that guarantees highly efficient cleaning. See also p. 25, System Select 5.

Pressure Tanks for Material Supply
- MDG 1, 2, 3, 4, 22 – LDG 5, 10, 20
- Stainless steel pressure tanks for the secure storage of paints, inks and cleaning agents, as well as for transferring fluids to the spray gun. Paint containers can be placed inside of the appropriate pressure tanks. For information on individual tanks and agitators, see p. 67 ff.

Special Fitting
- for combining air pressure regulation functions in simple systems (control air, atomizing air, air for pressure tank)

Special Fitting
- for simple marking systems

Cleaning Agents
- Types: WPT 1800
- Characteristics: dichloro-methane-based product. Quick drying, clear marking points, weatherproof. Application: marking dry or slightly damp surfaces. Frequently used to mark defects.

Special Marking Paint
- Type WPF 0232
- Characteristics: dichloro-methane-based product. Quick drying, clear marking points, weatherproof. Application: marking dry or slightly damp surfaces. Frequently used to mark defects.

On inquiry

Corresponding thinner:
- WPV 0166

Marking Paint
- Type WPF 1922

On inquiry

Corresponding thinner:
- WPV 0218
Marking Systems

Non-Contact Marking Systems

Select 1 System / Model V 45
Spray system for approx. 3,500 dots, consisting of:
- Signier spray gun, PILOT Signier, with miniature material pressure tank (capacity: 45 ml)
- Solenoid valve, 2-position/3-port
- Special fitting to regulate compressed air, with all the required connection points for spray gun and pressure tank
- Hose package (2 meters) incl. connectors
- Optional: Brackets, overspray extraction, color sensors, integration of the system into the production line.

Select 2 System / Model V 750
- Spray system for approx. 55,000 dots or approx. 3,300 meters of lines
- As above, but with 750 ml pressure tank

Select 3 System / Model V 1000
- Spray system for approx. 70,000 dots or 4,500 meters of lines
- As above, but with stainless steel material pressure tank, MDG 1 (capacity 1,100 ml), as well as Model A compressed air fitting
- Optional: Brackets, air-driven geared agitator, 0.16 kW, fill level sensors, pneumatic control cabinets, overspray extraction, color sensors, integration of the system into the production line.
- System variants: The MDG 2, MDG 3, or MDG 4 tank, or tanks in the LDG series (LDG 5, 10, 20), may be used in place of the MDG 1 tank.
- All the tanks are suitable for accepting paint cans.

Select 4 System, recirculating / Model V 1000
- Spray system with diaphragm pump; recirculating design to handle materials that settle out or dry quickly
- Approx. 70,000 dots or 4,500 meters of lines
- Stainless steel material pressure tank, MDG 1 (useful capacity 1,100 ml)
- Solenoid valve2-position/3-port
- Solenoid valve2-position/2-port
- Diaphragm pump, MBP-2812 (Acetyl)
- Pneumatic control cabinet with manometer
- Hose package including connectors
- Optional: Brackets, overspray extraction, color sensors, integration of the system into the production line, compressed air fittings instead of pneumatic control cabinet

Possible uses:
- Inspecting weld seams and sheet metal
- Checking engine blocks, crankshafts and camshafts
- Marking blow holes during glass production
- Cutting and bending marks for cardboard packaging
- Line marking for manufacturing
- Paint markings to aid assembly
- Paint marking for logistics

Select 5 System flushable / Typ V 3003
Spray system with automatic nozzle and air cap cleaning
The use of quick-drying media in particular can lead to spraying interruptions. The automatic flushing function helps prevent this by sending a mixture of air and flushing agent through the circular gap between the nozzle and air cap. WALTHER PILOT has developed a special valve for this cleaning process (see p. 23). It mixes air and solvent in a way that guarantees highly efficient cleaning and, at the same time, low consumption. This flushing application ensures a secure and reliable process and the greatest possible repetition accuracy when marking.

WALTHER PILOT provides the user with tailor-made complete solutions, including paint supply, control units and overspray filtration.

“Quickstep” Electromagnetic Marking Block
This newly developed marking block, with its compact dimensions, is characterized especially by its high speed. Moreover, higher viscosity materials and difficult media (e.g. abrasive or UV media) can be applied, since diaphragm technology is used to open and close the spray valves. The block also provides a connection for the flushing agent used to clean the nozzle and air cap.

Technology

<table>
<thead>
<tr>
<th>Single Pneumatic System</th>
<th>PILOT Pneumatic Marking Block</th>
<th>PILOT Electromagnetic Marking Block</th>
<th>PILOT “Quickstep” Marking Block</th>
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</thead>
<tbody>
<tr>
<td>Marking height</td>
<td>3 - 30 mm</td>
<td>40 - 200 mm</td>
<td>40 - 140 mm</td>
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<tr>
<td>Printing speed</td>
<td>Up to 180 m/min</td>
<td>Up to 40 m/min</td>
<td>Up to 100 m/min</td>
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<td>Marking surface</td>
<td>Porous and non-porous</td>
<td>Porous and non-porous</td>
<td>Porous and non-porous</td>
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<tr>
<td>Barcodes and OCR codes</td>
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<td>No</td>
<td>May be possible</td>
</tr>
<tr>
<td>Logos</td>
<td>No</td>
<td>May be possible</td>
<td>May be possible</td>
</tr>
<tr>
<td>Typical industries</td>
<td>Drinks, foodstuffs, electronics, car part suppliers</td>
<td>Steel, tubing and sheet metal industry</td>
<td>Steel, tubing and sheet metal industry, glass industry</td>
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<tr>
<td>Typical applications</td>
<td>OK/Not OK marking as quality control, marking to facilitate installation, marking of parts which differ but are similar in appearance</td>
<td>Quality control, marking steel plates, coils and containers with batch numbers</td>
<td>Marking steel plates, coils and containers with batch numbers</td>
</tr>
</tbody>
</table>

System Select 5 flushable / Typ V 3003
Spray system with automatic nozzle and air cap cleaning
The use of quick-drying media in particular can lead to spraying interruptions. The automatic flushing function helps prevent this by sending a mixture of air and flushing agent through the circular gap between the nozzle and air cap. WALTHER PILOT has developed a special valve for this cleaning process (see p. 23). It mixes air and solvent in a way that guarantees highly efficient cleaning and, at the same time, low consumption. This flushing application ensures a secure and reliable process and the greatest possible repetition accuracy when marking.

WALTHER PILOT provides the user with tailor-made complete solutions, including paint supply, control units and overspray filtration.
Adhesive Application Systems

Spray Guns for Solvent-Based Adhesives

PILOT III-K
The PILOT III-K spray gun is intended exclusively for use with solvent-based adhesives. It has proven its qualities in the upholstery industry and for laminating adhesives in the automotive industry. Special HS (high solid) or SHS (super high solid) air caps are available.
- The gun body is PTFE coated for easier cleaning.
- Weight: 600 g

Rotary-jet nozzle inserts options (round-jet air cap):
- 1.0 / 1.5 / 2.0 mm ø
- PILOT III-K: With plastic gravity-feed cup, 600 ccm
- PILOT III-K: With pressurized gravity-feed cup, 450 ccm
- PILOT III-K: With suspended pressure-feed cup, 800 ccm
- PILOT III-K: With material connection G 3/8

PILOT III-K: With suspended pressure-feed cup, 800 ccm

Rotary-jet nozzle inserts options (wide-to-round-jet air cap):
- 1.0 / 1.5 / 2.0 mm ø
- PILOT III-K: With plastic gravity-feed cup, 600 ccm
- PILOT III-K: With pressurized gravity-feed cup, 450 ccm
- PILOT III-K: With suspended pressure-feed cup, 800 ccm
- PILOT III-K: With material connection G 3/8

Also available with wide-to-round jet nozzle insert.
Nozzle inserts available:
- 0.5 / 0.8 / 1.0 / 1.2 / 1.5 / 1.8 / 2.0 / 2.5 / 3.0 / 3.5 mm ø

PILOT WA XV
Fully automatic spray gun for all standard, solvent-based adhesives
All wetted parts are made of stainless steel
Special HS (high solid) or SHS (super high solid) air caps are available.
- Rotary jet nozzle insert options: 1.0 / 1.5 / 1.8 / 2.0 mm ø

PILOT WA XV: With wide-jet nozzle insert
PILOT WA XV: With round-jet nozzle insert

Model PILOT WA XV
Wide-to-jet nozzle insert options available.
Nozzle inserts:
- 0.5 / 0.8 / 1.0 / 1.2 / 1.5 / 1.8 / 2.0 / 2.5 / 3.0 / 3.5 mm ø

PILOT Premium-K
Spray gun for all standard adhesive spraying assignments.
- Gun body: galvanized cast aluminum
- All wetted parts: stainless steel
- Weight: 470 g
- With wide-jet nozzle inserts available:
  - 0.5 / 0.8 / 1.0 / 1.2 / 1.5 / 2.0 / 2.2 / 2.5 mm ø

PILOT Premium-K: With plastic gravity-feed cup, 600 ccm
PILOT Premium-K: With material connection G 3/8
PILOT Premium-K: With pressurized gravity-feed cup, 450 ccm
PILOT Premium-K: With suspended pressure-feed cup, 800 ccm

PILOT Maxi-K
Spray gun for all standard adhesive application jobs.
- The gun body is PTFE-coated for easier cleaning.
- Weight: 440 g
- With wide-to-round-jet nozzle inserts:
  - 0.5 / 0.8 / 1.0 / 1.2 / 1.5 / 1.8 / 2.0 / 2.2 / 2.5 mm ø

PILOT Maxi-K: With asymmetrical plastic gravity-feed cup, 450 ccm
PILOT Maxi-K: With material connection G 3/8
PILOT Maxi-K: With pressurized gravity-feed cup, 450 ccm
PILOT Maxi-K: With suspended pressure-feed cup, 800 ccm
Also available with rotary-jet nozzle inserts:
- 1.0 / 1.5 / 1.8 / 2.0 mm ø

PILOT Mini-K
Compact-size spray gun for small-size adhesive application jobs.
- Gun body made of high-grade plastic material
- Weight: 295 g
- Wide-to-round-air cap with rotary-jet nozzle available:
  - 0.5 / 0.8 / 1.0 / 1.2 / 1.5 / 1.8 / 2.0 / 2.2 / 2.5 mm ø

PILOT Mini-K: With plastic gravity-feed cup, 125 ccm
PILOT Mini-K: With material connection G 1/4"
PILOT WA 703-K
- Automatic spray gun series for all standard adhesive spray assignments. The front section and all wetted parts are made of stainless steel. The guns are available with or without internal control, depending on production requirements.
- Wide-to-round-jet nozzle inserts: 0.5 / 0.8 / 1.0 / 1.2 / 1.5 / 1.8 / 2.0 / 2.2 / 2.5 mm ø

PILOT WA 708-K:
Automatic spray gun for external control

PILOT WA 903-K
Automatic spray gun series with quick-change adapter plate. The front section and all wetted parts are made of stainless steel.
- Two versions are available, one with internal control, one for external control.
- Wide-to-round-jet nozzle inserts: 0.5 / 0.8 / 1.0 / 1.2 / 1.5 / 1.8 / 2.0 / 2.2 / 2.5 / 3.0 / 3.5 mm ø

Spray gun versions:
Version with internal control
Version with internal control (recirculation)

Version for external control
Version for external control (recirculation)

Adapter plate versions:
Adapter plate (aluminum) – for spray guns with internal control
Adapter plate (aluminum) – for spray guns with internal control for recirculation systems
Adapter plate (aluminum) – for externally controlled spray guns
Adapter plate (aluminum) – for externally controlled spray guns for recirculation systems
Adapter plates (stainless steel)

PILOT Signier
Fully automatic spray gun for the precise application of adhesives (e.g. edge gluing).
- Gun body: nickel-plated brass.
- Nozzle: stainless steel. Air cap: round or wide.
- With round-jet nozzle insert: 0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm ø

PILOT Signier: Available with round-jet nozzle insert
PILOT Signier: With wide-jet nozzle insert
PILOT Signier: With automatic nozzle and air cap cleaning

PILOT Balance
Adhesive application gun for downward spray. The gun is suitable for use with balancers.
- Wide-jet nozzle inserts (round-jet insert on request): 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm ø

PILOT WA 723-ND-K
HVLP automatic spray gun series for use with low-viscosity dispersion adhesives.
- The front section and all wetted parts are made of stainless steel.
- Weight: 470 g
- Wide-to-round-jet nozzle inserts: 0.5 / 0.8 / 1.0 / 1.2 / 1.5 / 1.8 / 2.0 / 2.2 / 2.5 mm ø

PILOT WA 723-ND-K: Automatic spray gun with internal control
PILOT WA 728-ND-K: Automatic spray gun for external control

PILOT XIII-ND-K
Heavy-duty HVLP spray gun.
- All wetted parts: Stainless steel.
- Weight: 760 g.
- Wide-to-round-jet nozzle inserts:

PILOT XIII-ND: With plastic gravity-feed cup, 600 ccm
PILOT XIII-ND: with material connection G 3/8"

PILOT Premium-ND-K
HVLP spray gun for dispersion adhesives.
- Gun body: Galvanized aluminum.
- All wetted parts are made of stainless steel.
- Weight: 440 g
- Wide-to-round-jet nozzle inserts: 0.5 / 0.8 / 1.0 / 1.2 / 1.5 / 1.8 / 2.0 / 2.2 / 2.5 mm ø

PILOT Premium-ND-K: With plastic gravity-feed cup, 600 ccm for adhesives
PILOT Premium-ND-K: With material connection G 3/8"

PILOT Maxi-ND-K
HVLP-spray gun for low-viscosity dispersion adhesives.
- The gun body is PTFE-coated for easier cleaning.
- All wetted parts are made of stainless steel.
- Weight: 440 g.
- Wide-to-round-jet nozzle inserts:

PILOT Maxi-ND-K: With asymmetrical plastic gravity-feed cup, 450 ccm
PILOT Maxi-ND-K: With material connection G 3/8"

PILOT Maxi-ND-K: With asymmetrical plastic gravity-feed cup, 450 ccm
PILOT Maxi-ND-K: With material connection G 3/8"

PILOT XIII-ND-K
Heavy-duty HVLP spray gun.
- All wetted parts: Stainless steel.
- Weight: 760 g
- Wide-to-round-jet nozzle inserts:

PILOT XIII-ND: With plastic gravity-feed cup, 600 ccm
PILOT XIII-ND: with material connection G 3/8"

PILOT XIII-ND: With plastic gravity-feed cup, 600 ccm
PILOT XIII-ND: with material connection G 3/8"
PILOT WA 923-ND-K
HVLP automatic spray gun series with quick-change adapter plate. The front section and all wetted parts are made of stainless steel.
- Two versions are available, one with internal control, one for external control.
- Wide-to-round-jet nozzle inserts: 0.5 / 0.8 / 1.0 / 1.2 / 1.5 / 1.8 / 2.0 / 2.2 / 2.5 / 3.0 / 3.5 mm Ø

Spray gun versions:
Version with internal control
Version for external control

Adapter plate versions:
Adapter plate (stainless steel) for spray guns with internal control – material feed left
Adapter plate (stainless steel) – for spray guns with internal control – for recirculation systems
Adapter plate (stainless steel) – for externally controlled spray guns – material feed left
Adapter plate (stainless steel) – for externally controlled spray guns – for recirculation systems

Extrusion Guns

PILOT Extrusion Gun
The PILOT extrusion gun is equipped with a tapered nozzle so that the application rate can be adjusted as required. For high-viscosity adhesives and sealants.
- Max. pressure: 350 bar.

PILOT Premium Extrusion Gun
Particularly suitable for the application of PVA glue and putty.
- All wetted parts are made of stainless steel.
- Max. pressure: 8 bar.
- Also available with brush applicator.
- Nozzle sizes: 1.0 / 1.5 / 2.0 / 2.5 / 3.0 mm Ø

PILOT WA 95
Automatic applicator.
- Max. pressure: 50 bar
- Nozzle sizes 1.0 / 2.0 mm Ø

PILOT WA 96
Automatic extrusion gun with diaphragm seal.
The PILOT WA 96 is particularly suitable for use with moisture-curing, polyurethane-based materials and other critical media.
- Max. material pressure: 4 bar with 3/2-way valve
- Max. material pressure: 20 bar with 5/2-way valve
- Nozzle sizes: 3 mm Ø.
- More nozzle sizes available on request.

PILOT Pinsel
Available with hair brush.
- Material supply: Pressure tank or pump, max. 8 bar
  - With hair brush, 11 mm
  - With hair brush, 15 mm
  - With hair brush, 20 mm
  - With hair brush, 40 mm

PILOT WG
With 150 mm nozzle pipe and slotted nozzle
With nozzle pipe and round nozzle
Adhesive Spraying Systems

Adhesive Spraying Systems with Pressure Tanks

Spraying systems for solvent-based adhesives
PILOT Klebond L
Consisting of:
- Material pressure tank, type MDG 22 or MDG 45, galvanized, without agitator
- Spray gun, type PILOT III-K
- Compressed air inlet fitting with an additional reduction valve for the spray gun
- 5 m hose set
- Also available with trolley

Both pressure tanks are suitable for use with the original shipping containers. These containers are placed directly into the tank, thus reducing the effort required for cleaning.

Spraying systems for dispersion adhesives
PILOT Klebond D
Consisting of:
- Material pressure tank, type MDG 22 or MDG 45, stainless steel, without agitator
- HVLP spray gun, PILOT Premium, for dispersion adhesives (PILOT Maxi-ND-K, PILOT XIII-ND)
- Compressed air inlet fitting with an additional reduction valve for the spray gun
- 5 m hose set
- Also available with trolley

Pressure tanks made of galvanized steel may also be used, but in this case the material should be drawn from stainless steel bucket inserts or the original drums. The pipe to the material outlet and the material outlet ball valve are to be of stainless steel.

Spraying system for connecting two spray guns
Consisting of:
- Material pressure tank, type MDG 22 or MDG 45, galvanized or stainless steel, without agitator
- Spray guns
- Compressed air inlet fitting with two additional reduction valves for the spray guns
- Two hose sets (5 m)
- Material distributor (stainless steel) for the connection of 2 outlet valves
- two outlet valves (nickel-plated brass or stainless steel)
- Also available with trolley

Depending on the material being sprayed, the wetted parts are to be of stainless steel.

System for high-precision adhesive spraying
Consisting of:
- Material pressure tank (type MDG) or lightweight pressure tank (type LDG)
- many tank sizes available
- Automatic spray gun type Signier or PILOT WA 200 (for use with dispersion adhesives)
- Air filter / pressure control unit type A
- Solenoid valve
- Set of hoses

Spraying system for use with shear-sensitive materials
PILOT Easy Flow
Easy Flow works entirely without pumps and is therefore particularly suitable for use with shear-sensitive adhesives. The material is transferred to the workstations simply with a pressure tank. It is refilled automatically when the fluid level is down to a minimum. Interruptions of the production process are thus avoided.
A maximum of 10 workstations can be supplied with material. Supply lines may be as much as 25 m long.
No damage is caused to the material.
Consisting of:
- Switchgear cabinet
- Pressure tank with fluid level sensor integrated into the lid
- Pneumatically controlled ball valve

Options:
- HVLP Premium spray gun for dispersion adhesives
- Hose package
- Compressed air supply

Spraying systems for two-component dispersion adhesives
PILOT Klebond 2-K
Consisting of:
- Material pressure tank type MDG 22, stainless steel, for the A component
- Material pressure tank type MDG 4, stainless steel, for the B component
- PILOT III-2K spray gun
- Model H2 compressed air regulator
- Set of hoses

Special system designs with other pressure tank sizes or diaphragm pumps available on request.

PILOT Klebond 2K
This spraying system is particularly suitable for use as a demonstration model or wherever small quantities of material need to be sprayed.
Consisting of:
- Material pressure tank type MDG 2, stainless steel, for the A component
- Material pressure tank type MDG 1, stainless steel, for the B component
- PILOT III-2K spray gun
- 3 m hose set
- Support frame

Application system for PVA glue
Consisting of:
- PILOT Premium extrusion gun
- LDG material pressure tank, stainless steel, without agitator
- 6 inliners
- Hose set with all connectors

Customized spray systems
We offer spray systems tailored exactly to the needs of your manufacturing system. Advantages: sturdy design, long service life, reliable technology, reproducible results, economic, resource efficiency.
Make use of your system engineering expertise.
Adhesive Application Systems

Adhesive Spraying Systems with Pump

Spraying systems for use with 200-liter bunghole barrels
Consisting of:
- Manual or automatic spray gun (e.g. PILOT III-K or PILOT WA XV)
- Vesir piston pump with attached pressure regulator, see p. 63
- Set of hoses for air and material, including all connectors

System design for several spray guns. Material pressure regulators can be used if necessary. Pumps developing higher pressure levels are also available (see p. 62 ff.)

Adhesive Spraying Systems

Mobile adhesive supply system for use with diaphragm pumps
Consisting of:
- Spray gun as required (e.g. PILOT III-K, Mini-K, Maxi-K, Premium-K)
- SprayPak with dual diaphragm pump, MBP 5212, without material filter
- Set of hoses
- Trolley

Material transfer system for lamination adhesives (polyurethanes)
This system with its dual diaphragm pump and pulsation suppressor is specially suited for use with water-based lamination adhesives.
Consisting of:
- Manual or automatic spray guns (HVLP models)
- Dual diaphragm pump, made of stainless steel
- Pulsation suppressor
- Filter / compressed air regulator, type A
- Set of hoses

Two-component mixing and metering unit for both solvent- and water-based adhesives
The system can be used in two ways:
1. Continuous metering process (e.g. for spray application)
2. Metering according to prior quantity selection (amount needed to fill up cans or other vessels)
Consisting of:
- Pressure tank MDG 45 (galvanized) for A-Component (other tank sizes on request)
- Pressure tank LDG 5 (stainless steel) for B-Component (other tank sizes on request)
- Gear pumps for both components
- Pneumatic power unit / pneumatic control unit
- Automatic valve / static metering device
- Set of hoses

Material Transfer Systems for Viscous Media

Pump unit with a single-post lift
For 20 to 60 liter drums
Consisting of:
- Extrusion pump suiting the nature of the material
- Single-post lift
- Material pressure regulator
- Material hoses
- Follower plate or follower lid
- Optional: PILOT Extrusion gun, see p. 31

Pump unit with dual-post lift
for 20 to 60 liter drums
- Optional: PILOT Extrusion gun, see p. 31

Pump unit with dual-post lift
For 200 liter drums
Consisting of:
- Extrusion pump suiting the nature of the material
- Dual-post lift
- Material pressure regulator
- Material hoses
- Follower plate
- Optional: PILOT Extrusion gun, see p. 31

Follower plates, follower lids
The pump unit is fitted with a follower plate matching the drum size being used.
We also offer flat follower plates to recover the last bit.
- Options: Reinforced double seal ring, double wiper ring, PTFE coating, heating for follower plates (various power levels available)

System design to customer specifications
We would be glad to offer advice when configuring the system, helping you find the solution that is right for your production environment. In regard to displacement volume and pressure ranges, we offer a variety of models to satisfy every requirement. Among these are automatic and manual systems along with those offering inching operation and two-hand control for unsurpassed safety and convenience.

Fill level measurement can be integrated. Heating for follower plates on inquiry.
Nozzle Extensions

The new generation of nozzle extensions is based on a modular system. Threaded connectors are used throughout. The modular system allows custom configurations for different usage requirements.

- Wetted parts: Stainless steel
- Standard pipe lengths: 100 - 1,000 mm.
- Other lengths available on request.

Special flyer available on request or as a download: www.walther-pilot.de.

Note on material transfer
Using pressure tanks or pump systems is recommended to achieve good coverage per milliliter.

With round-jet head

DV 10 – Sprays straight ahead / min. inlet opening: ø 19 mm
Nozzle sizes from 0.3 mm - 2.5 mm ø

DV 20 – Sprays sideways 45° / min. inlet opening: ø 19 mm
Nozzle sizes from 0.3 mm - 2.5 mm ø

DV 60 – Sprays sideways 45° / min. inlet opening: ø 36 mm
Nozzle sizes from 0.2 mm - 1.5 mm ø

DV 70 – Sprays sideways 90° / min. inlet opening: ø 48 mm
Nozzle sizes from 0.2 mm - 1.5 mm ø

With round-to-wide-jet head

DV 30 – Sprays straight ahead / min. inlet opening: ø 34 mm
Nozzle sizes from 0.3 mm - 2.2 mm ø

DV 40 – Sprays sideways 45° / min. inlet opening: ø 52 mm
Nozzle sizes from 0.3 mm - 2.2 mm ø

DV 50 – Sprays sideways 90° / min. inlet opening: ø 47 mm
Nozzle sizes from 0.3 mm - 2.2 mm ø

With disk nozzle

DV 80 – Internal mixing system 360° / min. inlet opening: ø 19 mm
Nozzle size: 1.5 mm ø
(Suitable only for spray guns with material connection)

DV 90 – Internal mixing system 360° / min. inlet opening: ø 18 mm
Nozzle sizes: 1.0 mm ø and 1.5 mm ø
(Suitable only for spray guns with material connection)

Nozzle extensions are available for the following manual spray guns:

- PILOT Maxi
- PILOT Mini
- PILOT III F
- PILOT XIII
- PILOT Premium

Spray guns equipped with a gravity-feed cup can also be used with nozzle extensions. Depending on the spraying medium, pipe length of up to max. 400 mm are possible.

The DV 80 and DV 90 extensions are not suitable for gravity-feed cup spray guns.

Nozzle extensions are available for the following automatic spray guns:

- PILOT WA 100
- PILOT WA 500
- PILOT WA 600
- PILOT WA 700
- PILOT WA 800
- PILOT WA 900
- PILOT WA XV

Nozzle extensions can also be used with recirculation versions of the above spray guns.

Extensions with an outer diameter of only 8 mm
Special extensions for coating particularly hard-to-reach places (similar to DV 10, DV 20, and DV 80, as shown) with an outer diameter of only 8 mm can be manufactured on request. The extensions can be easily connected to all standard manual and automatic spray guns.

Previous types of extensions
These extensions made of brass can still be manufactured on request. We will be happy to advise you.

The “Pipe Crawler”
The best option for internally coating longer pipes is the “Pipe Crawler”, i.e. the PILOT WA 80 automatic spray gun. Its axial connections make it possible to draw it through the pipe on a special carriage, enabling 360° circular spraying.
Spray Gun Accessories

Nozzle inserts
- Air cap
- Material nozzle
- Material needle

Please insert the required nozzle size here.

Nozzle Inserts: Manual Spray Guns

<table>
<thead>
<tr>
<th>For spray gun model</th>
<th>Type</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PILOT I</td>
<td>Round-jet nozzle insert</td>
<td>V 15 001 51</td>
</tr>
<tr>
<td>PILOT II</td>
<td>Round-jet nozzle insert</td>
<td>V 15 002 51</td>
</tr>
<tr>
<td>PILOT III-F</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 003 51</td>
</tr>
<tr>
<td>PILOT III-F-MD</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 003 51</td>
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<tr>
<td>PILOT III-K</td>
<td>Rotary-jet nozzle insert</td>
<td>V 15 023 51</td>
</tr>
<tr>
<td>PILOT IV + IV GM</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 004 51</td>
</tr>
<tr>
<td>PILOT IV/EM</td>
<td>Round-jet nozzle insert</td>
<td>V 15 044 51</td>
</tr>
<tr>
<td>PILOT XIII</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 005 51</td>
</tr>
<tr>
<td>PILOT XIII-N</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 013 51</td>
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<tr>
<td>PILOT Trend</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 060 51</td>
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<tr>
<td>PILOT Trend-MD</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 061 51</td>
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<tr>
<td>PILOT Trend (material connection)</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 062 51</td>
</tr>
<tr>
<td>PILOT Trend-MD (material connection)</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 063 51</td>
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<tr>
<td>PILOT Misch-N</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 019 51</td>
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<tr>
<td>PILOT Mini</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 099 51</td>
</tr>
<tr>
<td>PILOT Mini</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 152 51</td>
</tr>
<tr>
<td>PILOT Mini-MD (material connection)</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 142 51</td>
</tr>
<tr>
<td>PILOT Maxi</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 613 51</td>
</tr>
<tr>
<td>PILOT Maxi-MD (material connection)</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 614 51</td>
</tr>
<tr>
<td>PILOT Maxi-MD</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 615 51</td>
</tr>
<tr>
<td>PILOT Maxi-MD (material connection)</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 616 51</td>
</tr>
<tr>
<td>PILOT Premium</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 107 01</td>
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<tr>
<td>PILOT Premium-MD</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 107 02</td>
</tr>
<tr>
<td>PILOT Premium-HVLP (material connection)</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 107 06</td>
</tr>
<tr>
<td>PILOT Premium-HVLP (gravity-feed cup)</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 107 03</td>
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<td>PILOT Premium-HVLP (gravity-feed cup)</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 107 06</td>
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<tr>
<td>PILOT Premium-HVLP (gravity-feed cup)</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 107 31</td>
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<tr>
<td>PILOT Premium-HVLP (gravity-feed cup)</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 107 32</td>
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<tr>
<td>PILOT Premium</td>
<td>Wide-to-round-jet nozzle insert</td>
<td>V 15 115 30</td>
</tr>
</tbody>
</table>

Nozzle Inserts: Automatic Spray Guns

Round-to-wide jet nozzle insert for spray gun model

<table>
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<th>Part No.</th>
</tr>
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<tbody>
<tr>
<td>V 15 010 01</td>
</tr>
<tr>
<td>V 15 011 01</td>
</tr>
<tr>
<td>V 15 012 01</td>
</tr>
<tr>
<td>V 15 013 01</td>
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<tr>
<td>V 15 014 01</td>
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<tr>
<td>V 15 015 01</td>
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<tr>
<td>V 15 016 01</td>
</tr>
<tr>
<td>V 15 017 01</td>
</tr>
<tr>
<td>V 15 018 01</td>
</tr>
</tbody>
</table>

Round-jet nozzle inserts for spray gun model

<table>
<thead>
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<th>Part No.</th>
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</thead>
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<td>V 15 106 01</td>
</tr>
<tr>
<td>V 15 107 01</td>
</tr>
<tr>
<td>V 15 108 01</td>
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<tr>
<td>V 15 109 01</td>
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<tr>
<td>V 15 110 01</td>
</tr>
<tr>
<td>V 15 111 01</td>
</tr>
<tr>
<td>V 15 112 01</td>
</tr>
<tr>
<td>V 15 113 01</td>
</tr>
<tr>
<td>V 15 114 01</td>
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<tr>
<td>V 15 115 01</td>
</tr>
</tbody>
</table>

Wide-jet nozzle inserts for spray gun model

<table>
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<tr>
<th>Part No.</th>
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<tbody>
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<td>V 15 116 01</td>
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<tr>
<td>V 15 117 01</td>
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<tr>
<td>V 15 118 01</td>
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<td>V 15 119 01</td>
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<td>V 15 120 01</td>
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<td>V 15 122 01</td>
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<td>V 15 123 01</td>
</tr>
<tr>
<td>V 15 124 01</td>
</tr>
<tr>
<td>V 15 125 01</td>
</tr>
</tbody>
</table>

Repair Sets: Manual and Automatic Spray Guns

PILOT I
- PILOT Twin
- PILOT WA 100
- PILOT WA 100-MD
- PILOT WA 30
- PILOT WA 100
- PILOT WA 100-MD
- PILOT WA 500 / 510
- PILOT WA 520 / 530
- PILOT WA 525 / 535
- PILOT WA 511 (daphragn)
- PILOT WA 600 / 610
- PILOT WA 625 / 635
- PILOT WA 700 / 710
- PILOT WA 720 / 730
- PILOT WA 740 / 750
- PILOT WA 705 / 715
- PILOT WA 725 / 735
- PILOT WA 745 / 755
- PILOT WA 900 / 905
- PILOT WA 920 / 925-HVLP
- PILOT WA 940 / 945-HVLP

PILOT II
- PILOT Twin
- PILOT WA 100
- PILOT WA 100-MD
- PILOT WA 500 / 510
- PILOT WA 520 / 530
- PILOT WA 525 / 535
- PILOT WA 511 (daphragn)
- PILOT WA 600 / 610
- PILOT WA 625 / 635
- PILOT WA 700 / 710
- PILOT WA 720 / 730
- PILOT WA 740 / 750
- PILOT WA 705 / 715
- PILOT WA 725 / 735
- PILOT WA 745 / 755
- PILOT WA 900 / 905
- PILOT WA 920 / 925-HVLP
- PILOT WA 940 / 945-HVLP

PILOT III-F
- PILOT Twin
- PILOT WA 100
- PILOT WA 100-MD
- PILOT WA 500 / 510
- PILOT WA 520 / 530
- PILOT WA 525 / 535
- PILOT WA 511 (daphragn)
- PILOT WA 600 / 610
- PILOT WA 625 / 635
- PILOT WA 700 / 710
- PILOT WA 720 / 730
- PILOT WA 740 / 750
- PILOT WA 705 / 715
- PILOT WA 725 / 735
- PILOT WA 745 / 755
- PILOT WA 900 / 905
- PILOT WA 920 / 925-HVLP
- PILOT WA 940 / 945-HVLP

PILOT III-MD
- PILOT Twin
- PILOT WA 100
- PILOT WA 100-MD
- PILOT WA 500 / 510
- PILOT WA 520 / 530
- PILOT WA 525 / 535
- PILOT WA 511 (daphragn)
- PILOT WA 600 / 610
- PILOT WA 625 / 635
- PILOT WA 700 / 710
- PILOT WA 720 / 730
- PILOT WA 740 / 750
- PILOT WA 705 / 715
- PILOT WA 725 / 735
- PILOT WA 745 / 755
- PILOT WA 900 / 905
- PILOT WA 920 / 925-HVLP
- PILOT WA 940 / 945-HVLP

PILOT III-K
- PILOT Twin
- PILOT WA 100
- PILOT WA 100-MD
- PILOT WA 500 / 510
- PILOT WA 520 / 530
- PILOT WA 525 / 535
- PILOT WA 511 (daphragn)
- PILOT WA 600 / 610
- PILOT WA 625 / 635
- PILOT WA 700 / 710
- PILOT WA 720 / 730
- PILOT WA 740 / 750
- PILOT WA 705 / 715
- PILOT WA 725 / 735
- PILOT WA 745 / 755
- PILOT WA 900 / 905
- PILOT WA 920 / 925-HVLP
- PILOT WA 940 / 945-HVLP
Spray Gun Accessories

Cup Systems etc.

“Super Cup” plastic gravity-feed cup for PILOT Premium
Consisting of cup (600 ccm) and full-surface filter insert
- Cup filter 149 µ (100 mesh) for “Super Cup”
- Cup filter 65 µ (225 mesh) for “Super Cup”
Plug-in filter for “Super Cup”
Standard plastic gravity-feed cup, 600 ccm, for the adhesive spray gun version of the PILOT Premium – without filter

Plastic gravity-feed cups
- Standard gravity-feed cup, 600 ccm, with adapter for PILOT manual spray guns – without filter
- Plastic gravity-feed cup, 125 ccm, with filter (standard for PILOT Mini)
- Filter for plastic gravity-feed cup, 125 ccm, (200 mesh)
- Asymmetrical gravity-feed cup, 450 ccm, with drip stop (standard for PILOT Maxi)
- Plug-in filter for asymmetrical gravity-feed cup
- Drip stop for plastic gravity-feed cup
- Cup filter

Siphon-feed cup
Siphon-feed cup, 125 ccm, G 1/4", light alloy
Siphon-feed cup, 600 ccm, G 1/4", light alloy
Siphon-feed cup, 1,000 ccm, G 3/8", light alloy, not shown

Suspended pressure-feed cup
Suspended pressure-feed cup 800 ccm, light alloy
Pressurized gravity-feed cup 450 ccm, light alloy
Compressed air regulator with manometer for pressure-feed cup, complete and ready for connection, with hose.

Material-feed containers
Material feed container, volume 5 l, stainless steel
Material feed container, volume 10 l, stainless steel

Folding filter
Folding filter with nylon fabric insert

PPS Coating System
For frequent paint changes and difficult jobs in awkward locations
Starter kit, PPS Coating System, consisting of:
- 1 adapter for WALther PILOT spray guns
- 1 reusable plastic mixing cup and plastic sealing ring
- 5 disposable plastic lids with integrated filter and plastic filter bag
All parts available individually.

Easy-line Cup System
Economical, refillable, disposable cup saves cleaning time.
Starter kit, Easy-Line Cup System, consisting of:
- 60 cups with covers, 1 stainless steel adapter, 60 filter inserts, as per specifications
With adapter for PILOT Premium
- Filter inserts, 105µ
- Filter inserts, 125µ
- Filter inserts, 195µ
Re-order kit (without adapter), with filter inserts, cover, closure caps

Quicky-Cup for PILOT Premium
Mixing and gravity-feed cup in one, including flat filter, 125 µ or 200 µ.
No annoying transfer of material. Simply mix, attach the cup, and begin working immediately. Capacity: 750 ml.
Packaging unit: 50 pieces incl. cover and filter insert as required
With green flat filter: 200 µ (70 Mesh)
With blue flat filter: 125 µ (120 Mesh)

Mixing Cup System
Economical, refillable disposable cups save cleaning time.
Size available: 1,850 ml.
- External containers
- Mixing cup inserts
- Covers for mixing cup
- Other sizes (450 ml and 920 ml) on request.

Cleaning Sets for Spray Guns etc.
For airless spray guns (please indicate required nozzle size).
Consisting of:
- 2 nylon brushes
- Nylon brush with fine brush
- 12 cleaning needles

For air-atomizing spray guns. Consisting of:
- 2 nylon brushes
- Nylon brush with fine brush
- Brush for nozzle and air cap

Spray gun wrench (not shown)
Holder for spray guns with gravity-feed cup (not shown)
Spray gun lube, approx. 10 g
### Hoses

#### Hoses / Hose Accessories for Air-Atomizing Spray Systems

When attaching an atomizing spray gun to the hose (please indicate length, if not indicated) you will need the hose clip, the hose connection, and the swivel nut. Hose connections and swivel nuts for attaching to air hoses are delivered with all standard WALTHER PILOT spray guns.

For spray guns with connections to pressure tanks or pumps, you will need a material hose as well as the black air hose. Alternatively, we can offer transparent FEP material hoses with reinforcing mesh.

#### Air hoses

- **Standard pressure air hose (black)** 8 mm I.D., 14 mm O.D.
- **Electroconductive**, per meter
- **Hose connection, 8 mm brass**
- **Swivel nut, 1/4 nickel-plated brass**
- **Hose clip, 13/15**

#### Material hoses

- **Standard material hose, green** 8 mm I.D., 11.5 mm O.D.
- **Hose connection, 8 mm brass**
- **Hose connection, 8 mm stainless steel**
- **Swivel Nut, 3/8 nickel-plated brass**
- **Hose Clip, 13/15**

#### High-pressure hoses

- **Nylon high-pressure hoses with steel mesh reinforcement** (up to max. 465 bar)
- **PTFE high-pressure hoses with steel mesh reinforcement** (up to max. 240 bar)

High-pressure hoses are also available in other widths and operating pressures.

### Hose Accessories

#### Material coupling

- **Nipple G 3/8”**, steel, nickel-plated
- **Material coupling, G 3/8”**, steel, nickel-plated

#### Material feed pipes

- **Material feed pipe for PILOT I**, brass
- **Material feed pipe for PILOT II, IV**, brass
- **Material feed pipe for PILOT III F with material connection**, brass
- **Material feed pipe for PILOT XIII, stainless steel**
## Compressed Air Accessories

### Air Control Units

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filter/compressed air regulator type A</td>
<td>2 regulated connections, 1 non-regulated connection (for automatic spray gun, pressure tank or pump)</td>
<td>V 35 475 000 00</td>
</tr>
<tr>
<td>Type A, marking version</td>
<td>2 regulated connections, 1 non-regulated connection (for automatic spray gun, pressure tank or pump)</td>
<td>V 35 475 000 01</td>
</tr>
<tr>
<td>Filter/compressed air regulator type H2</td>
<td>1 regulated, 1 non-regulated connection (for manual spray gun, pressure tank or pump)</td>
<td>V 35 475 000 10</td>
</tr>
<tr>
<td>Filter/compressed air regulator type H1</td>
<td>(for manual spray gun with cup)</td>
<td>V 35 475 000 20</td>
</tr>
</tbody>
</table>

### Pneumatic cabinets

We can deliver system control products matching your needs exactly. We can also deliver all the components, such as mounting brackets or frames, required to integrate these control elements into the system.

### Double ball joint

Working with this unit is convenient due to the 3-dimensional action. Maximum freedom of movement in all directions.

Light weight. Simple connection to spray gun and hose.

### Couplings for compressed air

Ideal where spray guns with gravity-feed cup are used and easy uncoupling is required.

Matching couplings for various hose sizes, available in steel or brass. Couplings are pivot joints. Special couplings with ball joints are available for particularly convenient use. (A)

- Pivot joint nipple, G 1/4 (not shown): V 00 001 04 000
- Thread plug nipple, G 1/4 (rotatable and tiltable): V 00 001 05 000
- Compressed air choke – brass, G 1/4 (C): V 35 120 00 000
- Compressed air choke – nickel-plated brass (D): V 35 120 10 000
- Shut-off valve, G 1/4", with outside threading on both ends nickel-plated brass (E): V 03 200 20 000

### Compressed air hoses

(see p. 42)

## Other Accessories

### Agitators for buckets and small-size containers

**Air-powered agitator type 46-322**
- without stand, 0.7 kW, max. 1500 rpm, shaft and ring-propeller stirrer: 140 mm ø stainless steel, explosion-protected
- As above, but with swiveling and height-adjustable stand and base plate, shaft and stirrer: stainless steel, especially suitable for 30 l containers, Explosion-protected

**Air-powered agitator for use with small containers, 0.06 kW**
- Max. 800 rpm, shaft and ring-propeller stirrer: 70 mm ø, stainless steel, with height-adjustable stand, explosion-protected
  - With shaft, 330 mm
  - With shaft, 440 mm
  - With shaft, 550 mm

**Air-powered agitator for use with small containers, 0.1 kW**
- 800 rpm, shaft and propeller stirrer: 100 mm ø, stainless steel, explosion-protected
  - With height-adjustable stand, shaft 440 mm
  - Without stand, shaft 440 mm
  - With height-adjustable stand, shaft 550 mm
  - Without stand, shaft 550 mm

**PILOT color change system**
- Modular design for any number of colors, with flushing valve
- Max. material pressure: 220 bar

**Metering valve PILOT WA 30**
- Hard-coated aluminum gun body
  - Aperture 5.0 mm, max. operating pressure: 100 bar
  - As above, but made of stainless steel

**Miscellaneous parts**
- Flow cup, DIN 53211 / ISO 2421, 4 mm, with stand for viscosity determination (not shown)
- Flow cup for viscosity determination, aperture 4 mm, handle length 105 mm
- Flow cup, aperture 6 mm, handle length 105 mm

**Flow cup with strainer**
- V 35 000 30 000
- V 35 000 20 000
- V 35 000 20 001
- V 33 999 00 000
Tanks / Material Transfer Systems

WALther PIoLToT material pressure tanks meet the highest demands in terms of quality and product safety. The conformity assessment procedure chosen by us ensures that we can react to special customer requests with a high level of flexibility. We are certified to manufacture according to US ASME code as well as Chinese regulations. In the field of container construction, we meet the strict requirements of the EN 9001 quality standard.

Small Material Pressure Tanks

Components in a small material pressure tank

1. Stainless steel container with lid
2. Wing screws or star grip screws
3. Air inlet fitting assembly complete with pressure regulator, pressure gauge, safety valve and venting
4. Pipe to material outlet and material outlet ball valve

Optional accessories for small pressure tanks, type MDG

Air inlet fitting assembly with second regulator for connecting a spray gun
Air inlet fitting assembly for use with marking systems
Material splitter
Air-powered agitator type 46-200 (0.16 kW, 400 rpm) for small-size containers
Fluid level sensors
Material filter
Suction strainer, small (for MDG 1 - 4)
Suction strainer, large (for MDG 8)

Small Material Pressure Tanks, Stainless Steel

<table>
<thead>
<tr>
<th>Type</th>
<th>Max. Pressure</th>
<th>Capacity approx.</th>
<th>Version</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDG 1</td>
<td>3 bar</td>
<td>1.1 liters</td>
<td>Without agitator</td>
<td>V 40 121 30 013</td>
</tr>
<tr>
<td></td>
<td>6 bar</td>
<td>1.1 liters</td>
<td>Without agitator</td>
<td>V 40 121 60 013</td>
</tr>
<tr>
<td>MDG 2</td>
<td>3 bar</td>
<td>1.8 liters</td>
<td>Without agitator</td>
<td>V 40 121 30 013</td>
</tr>
<tr>
<td></td>
<td>6 bar</td>
<td>1.8 liters</td>
<td>Without agitator</td>
<td>V 40 121 60 013</td>
</tr>
<tr>
<td>MDG 3</td>
<td>3 bar</td>
<td>2.5 liters</td>
<td>Without agitator</td>
<td>V 40 121 30 013</td>
</tr>
<tr>
<td></td>
<td>6 bar</td>
<td>2.5 liters</td>
<td>Without agitator</td>
<td>V 40 121 60 013</td>
</tr>
<tr>
<td>MDG 4</td>
<td>4 bar</td>
<td>3.1 liters</td>
<td>Without agitator</td>
<td>V 40 121 40 013</td>
</tr>
<tr>
<td></td>
<td>4 bar</td>
<td>3.1 liters</td>
<td>With manual agitator</td>
<td>V 40 121 40 013</td>
</tr>
<tr>
<td></td>
<td>4 bar</td>
<td>3.1 liters</td>
<td>With air-powered agitator (0.16 kW, 400 rpm)</td>
<td>V 40 121 40 013</td>
</tr>
<tr>
<td>MDG 8</td>
<td>4 bar</td>
<td>6.4 liters</td>
<td>Without agitator</td>
<td>V 44 111 40 013</td>
</tr>
<tr>
<td></td>
<td>4 bar</td>
<td>6.4 liters</td>
<td>With manual agitator</td>
<td>V 44 111 40 013</td>
</tr>
<tr>
<td></td>
<td>4 bar</td>
<td>6.4 liters</td>
<td>With air-powered agitator (0.16 kW, 400 rpm)</td>
<td>V 44 111 40 013</td>
</tr>
<tr>
<td></td>
<td>4 bar</td>
<td>6.4 liters</td>
<td>With electric agitator (0.12 kW, 60 rpm)</td>
<td>V 44 111 40 013</td>
</tr>
</tbody>
</table>

Higher pressure versions on request

Small Material Pressure Tanks, Galvanized

<table>
<thead>
<tr>
<th>Type</th>
<th>Max. Pressure</th>
<th>Capacity approx.</th>
<th>Version</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDG 4</td>
<td>4 bar</td>
<td>3.1 liters</td>
<td>Without agitator</td>
<td>V 40 251 40 012</td>
</tr>
<tr>
<td></td>
<td>4 bar</td>
<td>3.1 liters</td>
<td>With manual agitator</td>
<td>V 40 251 40 012</td>
</tr>
<tr>
<td></td>
<td>4 bar</td>
<td>3.1 liters</td>
<td>With air-powered agitator (0.16 kW, 400 rpm)</td>
<td>V 40 251 40 012</td>
</tr>
<tr>
<td>MDG 8</td>
<td>4 bar</td>
<td>6.4 liters</td>
<td>Without agitator</td>
<td>V 44 211 40 013</td>
</tr>
<tr>
<td></td>
<td>4 bar</td>
<td>6.4 liters</td>
<td>With manual agitator</td>
<td>V 44 211 40 013</td>
</tr>
<tr>
<td></td>
<td>4 bar</td>
<td>6.4 liters</td>
<td>With air-powered agitator (0.16 kW, 400 rpm)</td>
<td>V 44 211 40 013</td>
</tr>
<tr>
<td></td>
<td>4 bar</td>
<td>6.4 liters</td>
<td>With electric agitator (0.12 kW, 60 rpm)</td>
<td>V 44 211 40 013</td>
</tr>
</tbody>
</table>

Higher pressure versions on request

Lightweight Material Pressure Tanks, Stainless Steel

<table>
<thead>
<tr>
<th>Type</th>
<th>Max. Pressure</th>
<th>Capacity approx.</th>
<th>Version</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDG 5</td>
<td>6 bar</td>
<td>5 liters</td>
<td>Without agitator</td>
<td>V 55 801 21 013</td>
</tr>
<tr>
<td>MDG 10</td>
<td>6 bar</td>
<td>10 liters</td>
<td>Without agitator</td>
<td>V 55 810 21 013</td>
</tr>
<tr>
<td>MDG 19</td>
<td>6 bar</td>
<td>19 liters</td>
<td>Without agitator</td>
<td>V 55 921 21 013</td>
</tr>
</tbody>
</table>

For use with low-viscosity materials only (e.g. separating agents, oil, water etc.)
Standard Material Pressure Tanks

Components in a standard material pressure tank

1. Pipe to material outlet
2. Material outlet ball valve
3. Material inlet (MDG 12 and above)
4. Optional agitator
5. Air inlet fitting assembly with pressure regulator, pressure gauge, safety valve, and venting
6. Star grip screws

Optional accessories for standard material pressure tanks, type MDG

The MDG 45 and MDG 22 tanks are suitable for use with disposable containers.

Material Pressure Tanks – Galvanized or Stainless Steel

<table>
<thead>
<tr>
<th>Type</th>
<th>Max. pressure</th>
<th>Capacity approx.</th>
<th>Version</th>
<th>Part No. (galvanized)</th>
<th>Part No. (stainless steel)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDG 12</td>
<td>6 bar</td>
<td>11.8 liters</td>
<td>Without agitator</td>
<td>V 44 241 60 012</td>
<td>V 44 241 50 019</td>
</tr>
<tr>
<td>MDG 22</td>
<td>6 bar</td>
<td>19.5 liters</td>
<td>Without agitator</td>
<td>V 44 241 60 012</td>
<td>V 44 241 50 019</td>
</tr>
<tr>
<td>MDG 24</td>
<td>6 bar</td>
<td>23.5 liters</td>
<td>Without agitator</td>
<td>V 44 241 60 012</td>
<td>V 44 241 50 019</td>
</tr>
<tr>
<td>MDG 45</td>
<td>4 bar</td>
<td>42.5 liters</td>
<td>Without agitator</td>
<td>V 44 241 60 012</td>
<td>V 44 241 50 019</td>
</tr>
<tr>
<td>MDG 50</td>
<td>6 bar</td>
<td>58.5 liters</td>
<td>Without agitator</td>
<td>V 44 251 60 012</td>
<td>V 44 251 50 019</td>
</tr>
<tr>
<td>MDG 90</td>
<td>2 bar</td>
<td>90 liters</td>
<td>Without agitator</td>
<td>V 44 261 60 012</td>
<td>V 44 261 50 019</td>
</tr>
<tr>
<td>MDG 90</td>
<td>6 bar</td>
<td>90 liters</td>
<td>Without agitator</td>
<td>V 44 261 60 012</td>
<td>V 44 261 50 019</td>
</tr>
<tr>
<td>MDG 120</td>
<td>6 bar</td>
<td>120 liters</td>
<td>Without agitator</td>
<td>V 44 271 60 012</td>
<td>V 44 271 50 019</td>
</tr>
<tr>
<td>MDG 120</td>
<td>1.5 bar</td>
<td>120 liters</td>
<td>Without agitator</td>
<td>V 44 271 60 012</td>
<td>V 44 271 50 019</td>
</tr>
<tr>
<td>MDG 250</td>
<td>6 bar</td>
<td>248 liters</td>
<td>Without agitator</td>
<td>V 44 281 60 012</td>
<td>V 44 281 50 019</td>
</tr>
</tbody>
</table>

*1 For use with containers 10/15 liters – please check container sizes!
*2 For use with 30-liter containers
Tanks / Material Transfer Systems

Material Pressure Tanks, Type LDG

Lightweight material pressure tanks, type LDG
These thin-walled containers are made entirely of stainless steel. The tanks can be opened easily, using the quick-release grip locks.

1 Pipe to material outlet
2 Material outlet ball valve
3 Optional agitator
4 Air inlet fitting assembly with pressure regulator, pressure gauge, safety valve, and venting
5 Quick-release grip locks

All LDG 5 and LDG 10 pressure tanks with an upper outlet are delivered with an integrated inliner.

LDG 5 without agitator
LDG 10 with air-powered agitator
LDG 20 with electric agitator

Optional accessories for type MDG pressure tanks

Air inlet fitting assembly complete with second regulator for connecting a second spray gun
Air inlet fitting for pressure tanks used with marking systems
Material splitter for connecting a second discharge valve
Manual agitator
Air-powered agitator for LDG 5
Air-powered agitator for LDG 10 and 20
Electric agitator for LDG 10 and LDG 20
Suction strainer for LDG 20

Lightweight Material Pressure Tanks, Stainless Steel

<table>
<thead>
<tr>
<th>Type</th>
<th>Max. pressure</th>
<th>Capacity approx.</th>
<th>Version</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDG 5</td>
<td>6 bar</td>
<td>3.5 liters</td>
<td>Without agitator</td>
<td>V 44.051 60 013</td>
</tr>
<tr>
<td></td>
<td>6 bar</td>
<td>3.5 liters</td>
<td>With manual agitator</td>
<td>V 44.051 60 113</td>
</tr>
<tr>
<td>LDG 10</td>
<td>6 bar</td>
<td>9 liters</td>
<td>Without agitator</td>
<td>V 44.101 60 013</td>
</tr>
<tr>
<td></td>
<td>6 bar</td>
<td>9 liters</td>
<td>With air-powered agitator (0.16 kW, 400 rpm)</td>
<td>V 44.101 60 213</td>
</tr>
<tr>
<td></td>
<td>6 bar</td>
<td>9 liters</td>
<td>With manual agitator</td>
<td>V 44.101 60 113</td>
</tr>
<tr>
<td></td>
<td>6 bar</td>
<td>9 liters</td>
<td>With air-powered agitator (0.36 kW, 200 rpm)</td>
<td>V 44.101 60 213</td>
</tr>
<tr>
<td></td>
<td>6 bar</td>
<td>9 liters</td>
<td>With electric agitator (0.12 kW, 60 rpm)</td>
<td>V 44.101 60 313</td>
</tr>
<tr>
<td>LDG 20</td>
<td>6 bar</td>
<td>15 liters</td>
<td>Without agitator</td>
<td>V 44.201 60 013</td>
</tr>
<tr>
<td></td>
<td>6 bar</td>
<td>15 liters</td>
<td>With manual agitator</td>
<td>V 44.201 60 113</td>
</tr>
<tr>
<td></td>
<td>6 bar</td>
<td>15 liters</td>
<td>With air-powered agitator (0.36 kW, 200 rpm)</td>
<td>V 44.201 60 213</td>
</tr>
<tr>
<td></td>
<td>6 bar</td>
<td>15 liters</td>
<td>With electric agitator (0.12 kW, 60 rpm)</td>
<td>V 44.201 60 313</td>
</tr>
</tbody>
</table>

Inliners

Inliners effectively protect the inner walls of the tank against soiling. They are made of thin but very strong polypropylene and can be used for all common water-based and solvent-based materials. To prevent electrostatic discharge, the material is electrically conductive.

Inliners for LDG 5 (5 in a package)
Inliners for LDG 10 (5 in a package)

Special Tanks

WALther PILOT produces single- and double-walled pressure tanks up to a capacity of 2,000 liters, based on our standard MDG series or according to customer specifications. In double-walled tanks, a heating or cooling medium is used to ensure optimum processing temperatures. The optional agitator makes for constant temperatures in the material. Level and temperature measurement can be integrated for process monitoring purposes. Tanks with heating jackets are also available.

Pressure tanks are also used to transfer materials stored under an inert gas blanket.
**Agitators for Material Pressure Tanks**

**Manual agitator**
- Depending on material, for use with: MDG 1, 2, 3, MDG 4, MDG 8, MDG 12, MDG 22, MDG 24, MDG 45, MDG 60, MDG 90, MDG 120, MDG 250, LDG 5, LDG 10, LDG 20

**Air-powered, geared agitators (standard)**
- Type 46-810 (0.36 kW, 200 rpm, max. 17 Nm)
- Type 46-820 (0.36 kW, 300 rpm, max. 11 Nm)
- Depending on material, for use with: MDG 8, MDG 12, MDG 22, MDG 24, MDG 45, MDG 60, MDG 90, LDG 5, LDG 10, LDG 20
- Also available with oil lubrication.

**Air-powered, geared agitator**
- Type 46-730 (0.55 kW, 300 rpm)
- Depending on material, for use with: MDG 45, MDG 60, MDG 90, MDG 120, MDG 250.
- Also available with oil lubrication.

**Air-powered, geared agitator for small-size containers**
- Type 46-200 (0.16 kW, 400 rpm)
- Depending on material, for use with: MDG 1, MDG 2, MDG 3, MDG 4, LDG 5
- Impeller element: ring propeller: 60 mm ø
- Suitable for low-viscosity media.

**Electrically powered, geared agitators**
- Type 44-220 (0.12 kW, 60 rpm, max. 19 Nm)
- Type 44-220 (0.18 kW, 100 rpm, max. 17 Nm)
- Depending on material, for use with: MDG 8, MDG 12, MDG 22, MDG 24, MDG 45, MDG 60, MDG 90, LDG 10, LDG 20
- Electrically powered agitators with different speeds, with speed control, or other options on request.

**Electrically powered, geared agitator with packing seal**
- (0.37 - 2.2 kW, 30 - 100 rpm)
- Depending on material, for use with: up to MDG 2000
- Speed control on request.
- Not for use in potentially explosive atmospheres.

**Electrically powered, geared agitators with magnetic clutch**
- The agitator shaft is split, torque is transmitted via the magnetic clutch. The material is sealed in hermetically.
- Series 49-530 (0.37 kW, 80 rpm, 43 Nm)
- Series 49-520 (0.55 kW, 55 rpm, 98 Nm)
- Depending on material, for use with: up to MDG 2000
- Other speeds and speed control on request.

**Air-powered and electrically powered agitators**
- Air-powered and electrically powered agitators are explosion-protected in accordance with Directive 94/9/EC (ATEX). Versions without explosion protection are also available.

**Impeller Elements**

**Blade impellers (standard)**
- Impeller diameter depending on container size and speed.
- Galvanized steel or stainless steel.

**Pitched blade impellers**
- Optional for containers from 45 liters and upwards. Stainless steel, diameter depends on container size.

**Cup impeller PILOT Calix**
- Impeller diameter according to container size and speed.
- Stainless steel. Requires speeds > 100 rpm.

**Grid blade impeller**
- For electrically powered agitators with packing seal.
- Die-cast aluminum alloy. Impeller diameter according to tank size. Not for use in potentially explosive atmospheres.
Accessories for Material Pressure Tanks, Type MDG

**Insert buckets**
With internal handles

<table>
<thead>
<tr>
<th>Type</th>
<th>Capacity approx.</th>
<th>Part No. Galvanized</th>
<th>Part No. Stainless steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>For MDG 8</td>
<td>4.9 liters</td>
<td>V 44 001 00 002</td>
<td>V 44 001 00 003</td>
</tr>
<tr>
<td>For MDG 12</td>
<td>7.9 liters</td>
<td>V 44 001 20 002</td>
<td>V 44 001 20 003</td>
</tr>
<tr>
<td>For MDG 22</td>
<td>14.6 liters</td>
<td>V 44 002 00 002</td>
<td>V 44 002 00 003</td>
</tr>
<tr>
<td>For MDG 24</td>
<td>18 liters</td>
<td>V 44 002 40 002</td>
<td>V 44 002 40 003</td>
</tr>
<tr>
<td>For MDG 45</td>
<td>31.8 liters</td>
<td>V 44 004 50 002</td>
<td>V 44 004 50 003</td>
</tr>
<tr>
<td>For MDG 60</td>
<td>45.5 liters</td>
<td>V 44 006 00 002</td>
<td>V 44 006 00 003</td>
</tr>
<tr>
<td>For MDG 90</td>
<td>51.9 liters</td>
<td>V 44 009 00 002</td>
<td>V 44 009 00 003</td>
</tr>
<tr>
<td>For MDG 120</td>
<td>70.1 liters</td>
<td>V 44 012 00 002</td>
<td>V 44 012 00 003</td>
</tr>
</tbody>
</table>

**Trolley**
5 castors, 2 lockable, galvanized
- MDG 12 and 24: V 43 103 40 000
- MDG 22: V 43 102 20 000
- MDG 45 and 60: V 43 104 50 000
- MDG 90 and 120: V 43 109 00 000

**Material filters**
Stainless steel, G 3/8" (max. 350 bar)
Inserts:
- 50 mesh (standard) (240 µ) V 33 238 05 003
- 30 mesh (green) (410 µ) V 33 215 05 050
- 50 mesh (white) (240 µ) V 33 214 05 100
- 100 mesh (yellow) (150 µ) V 33 214 05 200
- 200 mesh (red) (75 µ) V 33 214 05 250

**Suction strainer (large)**
For fixing on material outlet pipe, 1.0 mm mesh: V 44 220 09 920
For fixing on material outlet pipe, 1.8 mm mesh: V 44 220 09 920
Small suction strainer (for MDG 1, 2, 3, 4 and LDG 5): V 44 220 09 979

**Material splitters and outlet valves**
Material splitter for connecting 2 outlet valves (stainless steel): V 44 220 09 943
Material splitter for connecting 3 outlet valves (stainless steel): V 44 220 09 153
Material outlet valve, G 3/8 (nickel-plated brass): V 44 220 09 910
Material outlet valve, G 3/8 (stainless steel): V 44 220 09 910
Material outlet valve, G 1/2 (nickel-plated brass): V 44 220 09 125
Material outlet valve, G 1/2 (stainless steel): V 44 220 09 123

**Level indicators**
1. Sensor for capacitive level detection (continuous measurement). ATEX and non-ATEX versions available.
2. Vibrating probe limit detector for min. and max. level detection; long version for cover mounting. ATEX and non-ATEX versions available.
3. Vibrating probe limit detector for min. and max. level detection; short version for mounting at the side.
Matching electronic display units:
- Inspection glasses, illuminated and non-illuminated, visual fluid level indicators:
- Lift for MDG material pressure tank cover, complete with control unit, lifting cylinder, cover retaining arm, and base plate:

**Pneumatic lifts for pressure tank covers**
The pneumatic lifts are especially useful when heavy parts such as agitators make manual lifting difficult. The lifting system also ensures that sensitive components (e.g. level sensors) are effectively protected against faulty handling.

The lift is suitable for the following tank sizes:
- MDG 45, MDG 60 (other tank sizes on request).
(Further details on p. 59)
Paint Mixing Tanks

WALTHER mixing tank FMB, galvanized version
- Tank with sloping base
- 1 lower outlet without ball valve
- 1/3 of the lid can be folded back, with seal
- Additional cut-outs in the lid on request.

<table>
<thead>
<tr>
<th>Type</th>
<th>Version</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMB 35</td>
<td>Without agitator</td>
<td>V 60 003 50 002</td>
</tr>
<tr>
<td></td>
<td>Air-powered agitator Type 46-810, 0.36 kW</td>
<td>V 60 003 52 002</td>
</tr>
<tr>
<td></td>
<td>With electric agitator Type 44-220, 0.12 kW</td>
<td>V 60 003 53 002</td>
</tr>
<tr>
<td>FMB 60</td>
<td>Without agitator</td>
<td>V 60 006 00 002</td>
</tr>
<tr>
<td></td>
<td>Air-powered agitator Type 46-810, 0.36 kW</td>
<td>V 60 006 02 002</td>
</tr>
<tr>
<td></td>
<td>With electric agitator Type 44-220, 0.12 kW</td>
<td>V 60 006 03 002</td>
</tr>
<tr>
<td>FMB 125</td>
<td>Without agitator</td>
<td>V 60 012 50 002</td>
</tr>
<tr>
<td></td>
<td>With electric agitator Type 61-000, 0.37 kW</td>
<td>V 60 012 53 002</td>
</tr>
<tr>
<td>FMB 250</td>
<td>Without agitator</td>
<td>V 60 025 00 002</td>
</tr>
<tr>
<td></td>
<td>With electric agitator Type 61-000, 0.55 kW</td>
<td>V 60 025 03 002</td>
</tr>
<tr>
<td>FMB 350</td>
<td>Without agitator</td>
<td>V 60 035 00 002</td>
</tr>
<tr>
<td></td>
<td>With electric agitator Type 61-000, 0.55 kW</td>
<td>V 60 035 03 002</td>
</tr>
<tr>
<td>FMB 500</td>
<td>Without agitator</td>
<td>V 60 050 00 002</td>
</tr>
<tr>
<td></td>
<td>With electric agitator Type 61-000, 0.75 kW</td>
<td>V 60 050 03 002</td>
</tr>
</tbody>
</table>

See p. 57 for further options.

WALTHER paint-mixing tank FMB, stainless steel 1.4301 pickled
- Tank with sloping base
- 1 lower outlet without ball valve
- 1/3 of the lid can be folded back, with seal.
- Lid without additional screw threads or cut-outs

Electro-polished version available.

<table>
<thead>
<tr>
<th>Type</th>
<th>Version</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMB 35</td>
<td>Without agitator</td>
<td>V 60 003 50 003</td>
</tr>
<tr>
<td></td>
<td>Air-powered agitator Type 46-810, 0.36 kW</td>
<td>V 60 003 52 003</td>
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<tr>
<td></td>
<td>With electric agitator Type 44-220, 0.12 kW</td>
<td>V 60 003 53 003</td>
</tr>
<tr>
<td>FMB 60</td>
<td>Without agitator</td>
<td>V 60 006 00 003</td>
</tr>
<tr>
<td></td>
<td>Air-powered agitator Type 46-810, 0.36 kW</td>
<td>V 60 006 02 003</td>
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<td></td>
<td>With electric agitator Type 44-220, 0.12 kW</td>
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</tr>
<tr>
<td>FMB 125</td>
<td>Without agitator</td>
<td>V 60 012 50 003</td>
</tr>
<tr>
<td></td>
<td>With electric agitator Type 61-000, 0.37 kW</td>
<td>V 60 012 53 003</td>
</tr>
<tr>
<td>FMB 250</td>
<td>Without agitator</td>
<td>V 60 025 00 003</td>
</tr>
<tr>
<td></td>
<td>With electric agitator Type 61-000, 0.37 kW</td>
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<tr>
<td>FMB 350</td>
<td>Without agitator</td>
<td>V 60 035 00 003</td>
</tr>
<tr>
<td></td>
<td>With electric agitator Type 61-000, 0.55 kW</td>
<td>V 60 035 03 003</td>
</tr>
<tr>
<td>FMB 500</td>
<td>Without agitator</td>
<td>V 60 050 00 003</td>
</tr>
<tr>
<td></td>
<td>With electric agitator Type 61-000, 0.75 kW</td>
<td>V 60 050 03 003</td>
</tr>
</tbody>
</table>

See p. 57 for further options.

Agitators for Mixing Tanks

Air-powered, geared agitator (standard)
- Type 46-810 (0.36 kW, 200 rpm, max. 17 Nm)
- Type 46-820 (0.36 kW, 300 rpm, max. 11 Nm)
Suitable for FMB 35 and FMB 60.

Air-powered, geared agitators
- Type 46-730 (0.55 kW, 300 rpm)
Options for use provided on inquiry.

Air-powered, low-energy agitator
- Type 46-735 (approx. 0.5 kW, 300 rpm, 16 Nm, motor width: 159 mm)
  Air consumption is particularly low. Options for use on inquiry.
  - Option: Needle valve for type 46-735 (with scale for speed regulation)

Electrically powered, geared agitators
- Type 44-220 (0.12 kW, 60 rpm, max. 19 Nm)
- Type 44-220 (0.18 kW, 100 rpm, max. 17 Nm)
- Type 44-220 (0.25 kW, 100 rpm, max. 23.5 Nm)
- Type 44-220 (0.37 kW, 100 rpm, max. 35.0 Nm)
- Type 61-000 (0.37 kW, 98 rpm, max. 37 Nm)
- Type 61-000 (0.55 kW, 98 rpm, max. 55 Nm)
- Type 61-000 (0.75 kW, 98 rpm, max. 75 Nm)
Electrically powered, geared agitators with other speeds, speed control, or other options on request.

Blade impellers (standard)
Impeller diameter depends on container size and speed. Stainless steel.

Grid blade impeller
Impeller diameter depends on requirements. Die-cast aluminum alloy.
Not for use in potentially explosive atmospheres.

PILOT Calix cup impeller
Impeller diameter depends on container size and speed. Stainless steel. Requires speeds > 100 rpm.

Accessories for Mixing Tanks

Lifts for mixing tank covers
The lifts are suitable for the following tank sizes: FMB 35, FMB 60 (further tank sizes on request).

Drip pans: On request
Trolleys: On request
Fill level sensors: see p. 55.

Air-powered and electrically powered agitators are explosion-protected in accordance with Directive 94/9/EC (ATEX). Versions without explosion protection are also available.

Material feed system with mixing tank FMB 250, control cabinet and Coriolis measuring system.

Special stainless steel tank in electro-polished design.
### Cover Lifting Devices for 30 and 60 Liter Drums

The standardized system components can be configured to create system solutions matched exactly to all your requirements in the field of materials transfer.

**Basic equipment:** pneumatic double-action lifting cylinder including outlet throttling valve, chromed piston rod with attached stop rail, fixing material for holding bracket.

Further options such as holding brackets, pneumatic control, drum centering device, base plate must be ordered separately.

**Accessories for Cover Lifting Devices for 30 and 60 Liter Drums**

<table>
<thead>
<tr>
<th>PE 500</th>
<th>PE 700</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drum sizes:</td>
<td>Up to 30-liter drums</td>
</tr>
<tr>
<td>Stroke:</td>
<td>500 mm</td>
</tr>
<tr>
<td>Max. stroke load:</td>
<td>50 kg</td>
</tr>
<tr>
<td>Max. op. pressure:</td>
<td>6 bar</td>
</tr>
<tr>
<td>Max. height*:</td>
<td>1,577 mm</td>
</tr>
</tbody>
</table>

* Height measured from the upper edge of the base plate

- Holding arm for 30-liter drum cover
  Bolt circle 320 mm
- Holding arm for 60-liter drum cover
  Bolt circle 380 mm
- Drum centering device for 30- to 60-liter drum
  Incl. fastening materials
- Air regulation valve
- Control without agitator operation
- Control with agitator shutdown

---

### Agitator Drives for 30- and 60-Liter Containers

**Air-powered, geared agitators (standard)**
- Type 46-810 (0.36 kW, 200 rpm, max. 17 Nm)
- Type 46-820 (0.36 kW, 300 rpm, max. 11 Nm)

**Versions with oil lubrication are also available**
- Type 46-811 (0.36 kW, 200 rpm, max. 17 Nm)
- Type 46-821 (0.36 kW, 300 rpm, max. 11 Nm)

**Electrically powered, geared agitators**
- Type 44-220 (0.12 kW, 60 rpm, max. 19 Nm)
- Type 44-220 (0.18 kW, 100 rpm, max. 17 Nm)

**Electronically powered geared agitators with other speeds, speed control, or other options on request.**

**Air-powered, low-energy agitator**
- Type 46-735 (approx. 0.5 kW, 300 rpm, 16 Nm, motor width: 159 mm)
  - Air consumption is particularly low.
  - Option: Needle valve for type 46-735 (with scale for speed regulation)

**Blade impellers (standard)**
- Impeller diameter depends on container size and speed.
  - Galvanized, stainless steel optional.
- Propeller-type impeller
  100 mm ø, Shaft: 440 mm
**PILOT Calix cup impeller (stainless steel)**
- Impeller diameter depends on container size and speed.
  - Requires speed > 100 rpm.

---

### Cover Lifting Devices for Pressure Tanks

Basic equipment: Double-acting pneumatic lift cylinder, including attached choke valve outlet regulators; base plate for installation on the floor; chrome-plated piston rod with attached stop strip; including mounting material for holding arm installation. To be ordered separately are other attachment materials specific to the application, e.g. holding arm, pneumatic controls, base plate. The lift device can also be used without problems for container versions with a heating sleeve or jacket.

**PE 700 for MDG 45 or 60, swiveling**
- Stroke: 700 mm
- Max. stroke load: 75 kg
- Max. op. press: 6 bar
- Max. height*: 1,874 mm

*Height measured from the upper edge of the base plate

**Accessories:** On inquiry

**Agitators for material pressure tanks:** See p. 52
Tanks / Material Transfer Systems

Cover Lifting Devices for 200-Liter Drums

The standardized system components can be configured to create system solutions matched exactly to all your requirements in the field of material transfer. Basic equipment: Double-acting pneumatic lift cylinder, including attached choke valve; chrome-plated piston with attached stop strip; including mounting materials for holding arm installation. To be ordered separately are other attachments such as the holding brackets, pneumatic controls, drum centering device, base plate.

Do you require complete systems or custom solutions? Please get in touch with us.

Accessories for Cover Lift Devices for 200-Liter Drums

Holding arm for cover for 200-liter drum
Bolt circle 560 mm

Centering device for 200-liter drum
Including attachment materials

Pneumatic lifting device controls, with bracket. Left-hand version. Trouble-free reconfiguration to right-hand version.

Pneumatic controls for lifting device and agitator, including pneumatic agitator shutdown, with bracket. Left-hand version. Trouble-free reconfiguration to right-hand version.

Pneumatic lift control; agitator can be shut down electrically with a push button; with bracket. Left-hand version. Trouble-free reconfiguration to right-hand version.

Air regulation valve with manometer, including bracket. Using this valve is recommended, since the maximum operating pressure for the lift is 6 bar.

Drip pans (with mounts for backing panel or lift units)

Base plate

Drum cover, 630 mm ø for 200-liter drums, plain

Drum cover configuration options:
- Hinged cover
- Hold for WALTHER PILOT agitator
- Mounting hole, 28.5 mm ø, for G 1” suction tube
- Installation bushings, G 3/8” (e.g. for material recirculation, fill level sensors)
- Installation bushings, G 1/2” (e.g. for level sensors)
- Observation hole with cover
- Drum cover reinforcement (when using an agitator)
- Adapter for air-powered agitators, types 46-845 and 46-730

Agitators for 200-Liter Drums

Air-powered agitators (standard) with mounting flange
- Type 46-845 (0.36 kW, 200 rpm, max. 17 Nm)
- Type 46-730 (0.55 kW, 300 rpm)

Versions with oil lubrication are also available.

Air-powered, low-energy agitator
- Type 46-735 (approx. 0.5 kW, 300 rpm, 16 Nm, motor width: 159 mm)

Air consumption is particularly low.
- Option: Needle valve for type 46-735 (with scale for speed regulation)

Electrically powered, geared agitators
- Type 61-000 (0.37 kW, 98 rpm, max. 37 Nm)
- Type 61-000 (0.55 kW, 98 rpm, max. 55 Nm)
- Type 61-000 (0.75 kW, 98 rpm, max. 75 Nm)

Electrically powered, geared agitators with other speeds, speed control, or other options on request.

Blade impellers (standard)
Impeller diameter depends on container size and speed.

Grid blade impeller
Impeller diameter depends on requirements. Die-cast aluminum alloy. Not for use in potentially explosive atmospheres.

PILOT Calix cup impeller (stainless steel)
Impeller diameter depends on container size and speed. Requires speed > 100 rpm.

Lifting Devices for Tanks of up to 1,000 Liters

Basic equipment: Double-acting pneumatic lift cylinder, including attached choke valve outlet regulator; chrome-plated piston rod with attached stop strip; including mounting material for holding arm installation. To be ordered separately are other attachment materials specific to the application, e.g. holding arm and pneumatic controls. Do you require complete systems or custom solutions? Please get in touch with us.

PE 1500
Drum sizes: Up to 1,000-liter drums
Stroke: 1,350 mm
Max. stroke load: 75 kg
Max. op. pressure: 6 bar
Max. height*: 3,334 mm

Holding arm for 1,000-liter drum, complete with extension
Bolt circle: 380 mm

Additional accessories
See left-hand page
Pumps / Airless / Multi-Component Systems

**Dual-Diaphragm Pumps**

**Dual-Diaphragm pump MBP 2812**
- Flow rate: max. 28 l/min
- Connection: G 1/2"
- Air inlet pressure: max. 8 bar
- Ball and seat ring: stainless steel, PTFE diaphragm.

**Diaphragm pump MBP 5212**
- Flow rate: max. 52 l/min
- Connection: G 1/2"
- Pressure ratio 1 : 1
- Air inlet pressure: max. 8 bar
- Ball and seat ring: stainless steel, PTFE diaphragm.

**Diaphragm pump MBP 8034**
- Flow rate: max. 80 l/min
- Connection: G 3/4"
- Pressure ratio 1 : 1
- Air inlet pressure: max. 8 bar
- Ball and seat ring: stainless steel, PTFE diaphragm.

**Diaphragm pump, Unica 4 - 270**
(with booster)
- Flow rate: max. 182 l/min
- Connection: G 3/4"
- Pressure ratio 4.5 : 1
- Air inlet pressure: max. 6 bar
- Ball and seat ring: stainless steel, PTFE diaphragm.

**High-pressure diaphragm pump, Cobra (with booster)**
Can be used especially for abrasive, shear-sensitive and highly reactive materials. The pump operates with extremely low pulsation effect.
Wetted parts: Stainless steel / PTFE.

Cobra high pressure diaphragm pump on carrying frame, with container above and type GM 4600 AC spray gun.

**Piston Pumps**

**PILOT Vesir low-pressure drum pumps**
Versions available:
- PILOT Vesir N (all wetted parts: steel)
- PILOT Vesir R (all wetted parts: stainless steel)

**PILOT Vesir low pressure pumps**
Versions available:
- PILOT Vesir N (all wetted parts: steel)
- PILOT Vesir R (all wetted parts: stainless steel)

**Drum pumps**
- PILOT Vesir N (all wetted parts: steel)
- PILOT Vesir R (all wetted parts: stainless steel)

**Cobra high-pressure diaphragm pump on carrying frame, with container above and type GM 4600 AC spray gun.**

Drum pump integrated into pneumatic lifting system for 200-liter drum, with electrically-powered, geared agitator.

**Reliable, efficient, rugged dual diaphragm pumps.**
See p. 14 for Spray Pak with diaphragm pumps.
**Airless / Air-Assisted Airless Equipment**

**PILOT Gordon**  
Small units – great efficiency

Versions available:
- PILOT Gordon R (mostly stainless steel, suitable for water-based materials)
- PILOT Gordon RS (all wetted parts: stainless steel)

Other versions with different pressure ratios on request.

<table>
<thead>
<tr>
<th>Model</th>
<th>Version</th>
<th>With tank</th>
<th>Trolley</th>
<th>Tripod</th>
<th>Feed tank</th>
<th>Wall bracket</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airless</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gordon 3033 R</td>
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<tr>
<td>Gordon 3033 RS</td>
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<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Air-assisted Airless**

<table>
<thead>
<tr>
<th>Model</th>
<th>Version</th>
<th>With tank</th>
<th>Trolley</th>
<th>Tripod</th>
<th>Feed tank</th>
<th>Wall bracket</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gordon 4233 R</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gordon 4233 RS</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Pumps / Airless / Multi-Component Systems

**PILOT Bestwin**

The standard for industry and the trades  
These high-performance units are suitable for pumping any spraying medium. The equipment is also suitable for thermal spraying.

Versions available:
- PILOT Bestwin R (mostly stainless steel, suitable for water-based materials)
- PILOT Bestwin RS (all wetted parts: stainless steel)

Consisting of: high-pressure pump mounted on support console; high-pressure filter with standard strainer including a relief valve; pressure regulation unit; safety valve; direct air inlet connection with either suction filter or feed tank with material filter. Neither high-pressure hose nor spray gun is included.

Other versions for airless or air-assisted airless applications on request.  
Versions with material heater on request.

<table>
<thead>
<tr>
<th>Model</th>
<th>Version</th>
<th>With trolley</th>
<th>With tripod</th>
<th>Feed tank</th>
<th>Wall bracket</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airless</td>
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<tr>
<td>Bestwin 6530 R</td>
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<td></td>
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<tr>
<td>Bestwin 6530 RS</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**PILOT material heater**

Suitable for use with heated spray technology  
Wetted parts: stainless steel  
3.5 kW, pressure range: 0 - 450 bar

Versions:
- 230 V version
- 380 V version

* Included in delivery: Set of hoses (7.5 m), but without spray gun
PILOT Wodan

These units are designed for tough industrial operations and allow easy pumping of high-viscosity materials such as corrosion prevention products. The PILOT Wodan is also the ideal solution for use with extra-long hoses.

Versions available:
- PILOT Wodan N (wetted parts: steel)
- PILOT Wodan R (mostly stainless steel, suitable for water-based materials)

Consisting of: high-pressure pump mounted on support console; high-pressure filter with standard strainer including a relief valve; pressure regulation unit; safety valve; direct air inlet connection with either suction filter or feed tank with material filter. Neither high-pressure hose nor spray gun is included.

<table>
<thead>
<tr>
<th>Model</th>
<th>Version</th>
<th>With trolley</th>
<th>With wall bracket</th>
<th>With lifting trolley</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wodan 24026 N</td>
<td>Flow rate: 138 ccm / double stroke</td>
<td>Pressure ratio: 26 : 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wodan 24026 R</td>
<td>Flow rate: 138 ccm / double stroke</td>
<td>Pressure ratio: 26 : 1</td>
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<tr>
<td>Wodan 24053 N</td>
<td>Flow rate: 138 ccm / double stroke</td>
<td>Pressure ratio: 53 : 1</td>
<td></td>
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</tr>
<tr>
<td>Wodan 24053 R</td>
<td>Flow rate: 138 ccm / double stroke</td>
<td>Pressure ratio: 53 : 1</td>
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<tr>
<td>Wodan 24071 N</td>
<td>Flow rate: 138 ccm / double stroke</td>
<td>Pressure ratio: 71 : 1</td>
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<tr>
<td>Wodan 24071 R</td>
<td>Flow rate: 138 ccm / double stroke</td>
<td>Pressure ratio: 71 : 1</td>
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</tr>
<tr>
<td>Wodan 28023 N</td>
<td>Flow rate: 153 ccm / double stroke</td>
<td>Pressure ratio: 23 : 1</td>
<td></td>
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<tr>
<td>Wodan 28023 R</td>
<td>Flow rate: 153 ccm / double stroke</td>
<td>Pressure ratio: 23 : 1</td>
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<tr>
<td>Wodan 28048 N</td>
<td>Flow rate: 153 ccm / double stroke</td>
<td>Pressure ratio: 48 : 1</td>
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<tr>
<td>Wodan 28048 R</td>
<td>Flow rate: 153 ccm / double stroke</td>
<td>Pressure ratio: 48 : 1</td>
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<tr>
<td>Wodan 28064 N</td>
<td>Flow rate: 153 ccm / double stroke</td>
<td>Pressure ratio: 64 : 1</td>
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<tr>
<td>Wodan 28064 R</td>
<td>Flow rate: 153 ccm / double stroke</td>
<td>Pressure ratio: 64 : 1</td>
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<td></td>
</tr>
<tr>
<td>Wodan 38032 N</td>
<td>Flow rate: 235 ccm / double stroke</td>
<td>Pressure ratio: 32 : 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wodan 38032 R</td>
<td>Flow rate: 235 ccm / double stroke</td>
<td>Pressure ratio: 32 : 1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PILOT Praetor

Suitable for high-viscosity or very high-viscosity coating materials, with high pumping rates. Permits the use of several spray guns even with long hose lengths.

Versions available:
- PILOT Praetor R (mostly stainless steel, suitable for use with water-based materials)

Consisting of: high-pressure pump mounted on support console; high-pressure filter with standard strainer including a relief valve; pressure regulation unit; safety valve; direct air inlet connection with either suction filter or feed tank with material filter. Neither high-pressure hose nor spray gun is included.
Multi-Component Mixing and Metering Systems

**TwinControl – electronically controlled**

This new Wagner equipment is a cost-effective and user-oriented alternative for 2K applications. The patented metering technology ensures mixing accuracy of ±2%. TwinControl can be used with all standard spray materials and high-viscosity materials. All operating parameters can be set very conveniently from the control unit. Routine work requires only 3 buttons (start, stop, flush).

**TwinControl 18-40 – Wildcat pumps**
Material pressure: 144 bar, mixing ratio user-adjustable from 1:1 to 20:1. Various displacement volumes and pressure ratios are possible.
Versions: with wall bracket or on mobile frame.

**TwinControl 28-40 – Puma pumps**
Material pressure: 224 bar, mixing ratio freely selectable from 1:1 to 20:1. Various displacement volumes and pressure ratios are possible.
Versions: with wall bracket or on mobile frame.

**TwinControl 35-70 – Leopard pumps, Puma flushing pump**
Material pressure: 250 bar, mixing ratio user-adjustable from 1:1 to 20:1. Various displacement volumes and pressure ratios are possible.
Versions: with wall bracket or on mobile frame.

**TwinControl 35-150 – Leopard pumps, Puma flushing pump**
Material pressure: 370 bar, mixing ratio user-adjustable from 1:1 to 10:1. Various displacement volumes and pressure ratios are possible.
Versions: with wall bracket, on mobile frame or on trolley.

**TwinControl 48-110 – Leopard pumps, Puma flushing pump**
Material pressure: 530 bar, mixing ratio user-adjustable from 1:1 to 10:1. Various displacement volumes and pressure ratios are possible.
Versions: with wall bracket, on mobile frame or on trolley.

**TwinControl 72-3000 – Jaguar pumps, Leopard flushing pump**
Material pressure: 530 bar, mixing ratio user-adjustable from 1:1 to 10:1. Various displacement volumes and pressure ratios are possible.
Versions: with wall bracket, on mobile frame or on trolley.

**Accessories depending on version:**
- Material intake system as per customer specifications and operating requirements
- Material heater
- Spray gun flushing device
- Diaphragm and piston pumps for material transfer (see p. 62 ff.)
- Pneumatic cover lifts (see p. 58 ff.)
- Agitators (see p. 52 ff.)
- Level sensors (see p. 55)

**FlexControl plus – electronically controlled**

FlexControl plus is an all-rounder delivering precise mixing ratios and color changes. The system can readily be integrated into existing installations; connecting peripheral equipment is easy, too. The system has memory capacity for up to 100 formulas and 11 programmable flushing programs.

**FlexControl – Version: FlexControl plus**
For material pressure of 1 – 270 bar
Mixing ratios user-adjustable from 0.1:1 to 50:1.
Material flow 0.1 – 3.0 liters/min.
Control and fluid sections are not separated

**FlexControl – Version: FlexControl plus XL**
For material pressure of 1 – 400 bar
Mixing ratios user-adjustable from 0.1:1 to 50:1.
Material flow 0.1 – 25.0 liters/min.
FlexControl XL is an extremely high-performance unit and suitable for use with multiple spray guns. Control and fluid sections are separated.

**FlexControl – Version: FlexControl plus Ex**
For material pressure of 1 – 270 bar
Mixing ratios user-adjustable from 0.1:1 to 50:1.
Material flow 0.1 – 3.0 liters/min.
Control and fluid sections are separated for explosion protection.

**FlexControl – Version: FlexControl plus XL**
For material pressure of 1 – 400 bar
Mixing ratios user-adjustable from 0.1:1 to 50:1.
Material flow 0.1 – 25.0 liters/min.
FlexControl XL is an extremely high-performance unit and suitable for use with multiple spray guns. Control and fluid sections are separated.

**Accessories:**
- Spray gun flushing device
- Material pressure tanks (see p. 46 ff.)
- Diaphragm and piston pumps for material transfer (see p. 62 ff.)
- Pneumatic cover lifts (see p. 58 ff.)
- Agitators (see p. 52 ff.)
- Level sensors (see p. 55)

**Equipment with fixed mixing ratio**

Special equipment can be manufactured according to customer specifications. These units are also available with material heaters.

**Example of a two-component paint spraying system with fixed mixing ratio and heated pressure tanks**

**Function:**
The stroke measurement unit at the air-driven motor measures precisely the displacement volumes for materials A and B; the corresponding signals are forwarded to the electronic control unit. The system automatically regulates a valve that meters component B precisely to match the mixing ratio.

**Material transfer is effected by piston pumps, diaphragm pumps or pressure tanks.**

The spray gun flushing device can be attached directly to the system.
Open-Face Industrial Booths

**Type 900**
Cost-effective spray booths for installation by owner
The modular concept makes series 900 spray booths highly affordable. There are four basic models that can be combined freely to produce any working width.
Overspray arrestors: modern multilayer filter mats made of recycled paper.
A high particle absorption capacity cuts downtime.
Space-saving transportation: freight costs are particularly low.

Optional:
- Turntables
- Energy-saving device
- Motor circuit breaker
- Switchgear cabinet

### Model Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
<th>Overall height with fan (mm)</th>
<th>Fan type (NZ)</th>
<th>Exhaust (m³/h)</th>
<th>Motor 400 V (kW)</th>
<th>Overall weight, approx. kg</th>
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**Type 90 W / 90 WS**
The industry standard

**Type 90 W**
A modern modular system makes it possible to combine the basic elements, 1.0 and 1.5 m wide, to form any desired working width.

**Type 90 WS**
Model 90 WS features two lateral deflector panels that can be adjusted to optimize the working configuration.

Exhaust ductwork can be supplied as well. Also available in stainless steel

Paint arrestors: multilayer filter mats made of recycled paper

### Overspray arrestors
Consisting of layers of stacked paper. The exhaust air is forced through a series of openings that become gradually smaller in size. Every overspray droplet will thus be trapped in one of the layers.

Advantages:
- High filtration efficiency
- Long service life
- No pre-filter plates necessary.

**Type 700**
Cost-effective, small bench booths
Convenient working, high-quality workmanship, low purchase price. The exhaust can be mounted on either side. Tilting frames for quick filter replacement.
Overspray arrestors: modern multilayer filter mats made of recycled paper.

### Model Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Working width mm</th>
<th>Overall width mm</th>
<th>Overall height w/o lamp mm</th>
<th>Height of work table mm</th>
<th>Exhaust width mm</th>
<th>Height of workspace mm</th>
<th>Overall depth mm</th>
<th>Working depth mm</th>
<th>Depth neg. press. chamber (mm)</th>
<th>Depth of rack (mm)</th>
<th>Motor 400 V kW</th>
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**Type 2000 bench booths**
The basic elements in the 2000 series, 1.11 and 1.50 m wide, can be combined to form spray tables of any desired working width. Tilting frames for quick filter replacement.

Basic model: Booth without base frame or workbench

Optional:
- Base frame or workbench in the dimensions required
- Turnstile workholders
- Motor protection switch or switchgear cabinet
- Energy saving device
- Lamp (in explosion-proof version, if required)

### Model Specifications

<table>
<thead>
<tr>
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<th>Overall width mm</th>
<th>Overall height w/o lamp mm</th>
<th>Height of work table mm</th>
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<th>Depth of rack (mm)</th>
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<td>2.00</td>
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</table>

**Energy-saving device**
Hanging up the spray gun between operations closes a valve in the exhaust duct. Thus the amount of air extracted from the shop is reduced. That saves heating costs.
Other Spray Booths

PILOT Smartline
Particularly cost-effective combination of spraying and drying booth

Optional:
- Complete floor grid
- Lengths 5 m; 5.5 m; 6 m ... 8.5 m
- Entrance door, additional escape door
- Paint storage and material transfer system
- WALTHER PILOT spray guns
- Consumables: strippable coating, filters

Technical data
- Working space: 7,000 x 3,860 x 2,800 mm
- Entrance door: 2,940 x 2,760 mm with additional escape door
- Make-up air volume: 29,200 m³/h
- Exhaust air volume: 28,700 m³/h
- Illumination: 4 - 6 lamps
- Heating: Oil or natural gas
- Walls: Painted panels
- Version: On the factory floor or recessed in the floor

Spray Booths with water-wash function

Surface-mounted installation, Type 6022
Underfloor installation, Type 6850

Industrial facilities with low energy consumption
The painting installation at Braun und Schirm GmbH & Co. KG, Nalbach-Körprich, Germany, consists of two spray booths and one dryer booth.

Spray booths with water-wash function

Recovering thermal energy using a cross-flow heat exchanger

Large components are coated in booth No. 1.

Booth No. 2 is used for smaller components. The air volume required to coat a part is low. Thus energy costs can be reduced.
Air Make-up Units / Dryers / Conveyors

Air make-up units
Overspray removal results in large exhaust air volumes. Corresponding fresh air volume has to be supplied and heated, depending on outdoor temperatures. Outside air is drawn in either through walls or roofs, then heated, filtered, and blown into the spray booth without creating a draft.

- All heating media (hot water, natural gas, oil) can be used.
- Good insulation ensures low heat loss.
- Optimum control for high energy efficiency.
- Suitable fixing components allow for easy assembly.
- Intake air is filtered twice. Pre-filters are installed directly in front of the blowers.
- Non-flaking filter mats are installed inside the air ducts to ensure that no fine particles impair the finish quality.

Dryer rooms and booths
- Modular design for precisely tailored product solutions
- High efficiency, top-quality insulation
- Heatable up to 80°C (higher temperatures on request)
- Installation of ventilation systems and exhaust air ducts on request
- Maximum temperature thermostat and airflow measurement to prevent failures, including acoustic warning at the control cabinet
- ATEX conformity for explosion protection, if required
- Chamber dryers available on request

Continuous dryers
We deliver drying systems exactly tailored to your specific operational needs. All components are perfectly matched for integration into your production line. We cooperate closely with you to develop complete solutions that are efficient, user-friendly, and environmentally sound.

Part conveyor systems
We deliver manual or powered systems for the efficient and ergonomic handling of your workpieces and an optimum production sequence. From simple manual conveyor systems to Power&Free systems with stacking sections – everything is feasible. These include: loading stations, manual or automatic lifting/lowering stations, various conveyor platforms, and supporting structures according to the building’s statics.

Accessories for Spray Booths

Exhaust Stacks
- We offer standardized components for the exhaust ductwork needed with our systems. Applicable standards and regulations will have to be observed when routing the ducts. We can provide assistance in this regard. The ducts are available in the following diameters: 160, 250, 355, 400, 500, 630 and 800 mm
- Special dimensions on request.

Control cabinets and switches
Control cabinets for equipment control and motor circuit breakers available on request. Energy-saving circuits can be integrated.

Lamps (explosion-proof version available)
Suitable lighting is essential for top-quality production

Rotary tables (turnstiles), motors
Suitable positioning aids are available.

Filter systems for spray booths
The spray booths may be equipped with highly effective overspray arrestors made of stacked paper.

Advantages:
- High filtration efficiency
- Long service life
- No pre-filter plates required

More filter systems (Andreae filters and fiberglass mats) available on request.

Bag-type filters for intake air
Filter grade G3, various sizes available. Especially important for combination booths.

Booth protection
Stripable coating, white, 10 liters, water-based
Stripable coating, white, 20 liters, water-based
Stripable coating, transparent, 5 liters, water-based
Stripable coating, transparent, 10 liters, water-based
Floor stripable coating, white, 20 liters, water-based
Dust-Control, green, 5 liters, water-based
For use on floors only
Dust-binding paint, 10 liters, water-based
Dust-binding paint, 25 liters water-based
Binds floating dust particles and overspray
Apply on walls, doors and lamps of the spray booth.
Cover sheeting 1.4 x 33 m
Aluminum paper, reel of 75 m, 1.20 – 1.50 m wide
Protects spray booth floor from dirt and overspray
Tack cloth

Spray Booths

Bag-type filters for intake air
Filter grade G3, various sizes available. Especially important for combination booths.

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Protects spray booth floor from dirt and overspray
Tack cloth

Spray Booths
**Health and Safety**

**Distillation units**
Recycled solvents can be used to clean and degrease a variety of equipment. This saves costs and helps keep VOC values below limits. Solvents are evaporated in an indirectly heated, stainless steel boiler. The vapor is passed through an air- or water-cooled condenser. The distillate then flows directly into the collection container.

- All units are equipped with a tipping device.
- All boilers are made of stainless steel.
- All units are TÜV certified and manufactured according to ATEX directives.

Distillation units have significant advantages:
- Cost savings
- Environment protection by lowering VOC emissions
- Compliance with emission limits
- Amortization within a very short time

Distillation unit D 12
Capacity: 12 liters, distillation time: 3.5 – 4.5 h, weight: 65 kg, heat output: 1,000 W, dimensions: 550 x 650 x 1,650 mm
- D 12: Copper radiator
- D 12: Stainless steel radiator

Distillation unit D 25
Capacity: 25 liters, distillation time: 3.5 – 4.5 h, weight: 135 kg, heat output: 2,000 W, dimensions: 650 x 1,000 x 1,500 mm
- D 25: Copper radiator
- D 25: Stainless steel radiator

Distillation unit D 60
Capacity: 60 liters, distillation time: 3.5 – 4.5 h, weight: 190 kg, heat output: 2,400 W, dimensions: 900 x 1,200 x 1,610 mm
- Stainless steel radiator

Distillation unit D 120
Capacity: 120 liters, distillation time: 3.5 – 4.5 h, weight: 400 kg, heat output: 4,500 W, dimensions: 1,050 x 1,520 x 1,950 mm
- Stainless steel radiator

Other dimensions and versions on request.

**Vacuum source**
Required for use with thermally unstable solvents, solvents with a boiling temperature above 180°C, solvents with an ignition temperature below 300 °C, when the temperature difference between boiling and ignition temperature is less than 30 °C, or if solvents contain nitrocellulose.

**Polythene bags** (not shown)
Facilitate easy removal of paint residues after distillation.

**Polythene bags** (not shown)
Facilitate easy removal of paint residues after distillation.

**Health and Safety**

**Masks**
- Pilot 250 half-mask, without filter
- Pilot 550 special protection hood (not shown)
- Combination filter A1/P2 for masks 250 and 550

**Dust protection mask**
- Dust protection mask Pilot 10 FFP2 (not shown), pack of 20 masks
- Dust protection mask Pilot 20 FFP3 with exhalation valve (not shown), pack of 5 masks

**Disposable half-mask with double filter**
Ultra-lightweight all-purpose mask, for protection from gases, vapors and particles. Easy handling.

**Half-mask with replaceable double filter**
Bayonet catch for easy filter change, low-maintenance lightweight mask body. Filter not included. Sizes: 6200 (M), 6300 (L)
- Half-mask, type 6000, various filters can be combined, depending on the medium (gases, vapors, particles).
- Fine air filters, 5925 P2, pack of 20, filter and protection class P2
- Fine air filters, 5935 P3, pack of 20, filter and protection class P3
- Gas filter, 6095 A2, pack of 1, organic vapors with boiling point above 65°C
- Filter caps, type 5000, pack of 2, required for A2/P2 and A2/P3 combinations.

**Respiratory protection using compressed air**
- Pilot 600 respiratory protection hood, for compressed air supply
- Filter unit and hose
- Fan-type, compressed air respiratory mask
Compressed-air respirator for working in potentially explosive atmospheres. Unrestricted work across wide areas; no supplementary hose needed. Constant and reliable air supply, electronically controlled air flow.
- Compressed-air respirator mask, Scott “ProFlow 2 Ex”, complete, optionally with:
  - Face shield, Scott Automask
  - Scott Flowhood 3, hood with hinged visor

**Protective overalls and gloves**
- “Allround” protective overalls, white, size L / XL / XXL / XXXL
- “Lucky” protective overalls, white/grey, size L / XL / XXL / XXXL
- “Solve” protective gloves, protection up to the elbow, slip-resistant palm, length: 330 mm; makes work easier and safer
- “Leon” protective gloves, resistant to chemicals, good tactile properties, very durable, breathable textile on back of hand
Pressure versions for air-atomizing spray guns
Conventional atomizing: The spraying material is atomized at pressures of between 1.5 and 8 bar.

Medium pressure and HVLP+: The spraying material is atomized at pressures of between 0.7 and 1.5 bar. HVLP+ achieves especially fine atomization.

HVLP: The spraying material is atomized at pressures of up to 0.7 bar. The air input pressure in medium pressure, HVLP+, and HVLP is approximately 3.5 bar. HVLP, HVLP+ and medium pressure allow you to achieve particularly high transfer efficiency.

Automatic spray guns with internal control
Automatic spray guns with internal control incorporate a valve to control the spraying air. When the spray gun is activated, the spraying air is first switched on and then the paint supply is opened. Closing takes place in reverse order. The quantity of round-jet and wide-jet spraying air can be adjusted at the gun.

Automatic spray guns for external control
In automatic spray guns for external control, the spraying air is not automatically activated by the control air. The control air is used to open the material duct. Round-jet and wide-jet air need to be externally activated and controlled. This allows easy adaptation of the spraying jet geometry to different surface dimensions. It is also possible to use the spraying air to cool the gun after the spraying process. The spraying air may also be used to air-blast the object.

Automatic spray guns with a diaphragm
The diaphragm spray gun is an alternative to spray guns with a needle seal packing. Due to the diaphragm, the wetted parts of the gun are hermetically separated from the air-side components. This special design operates without wear and is the ideal choice for problematic materials (e.g. abrasive or moisture-curing materials).

The following models are available:
PILOT WA 515 Membrane (see p. 14)
PILOT WA X5 Membrane (see p. 15)
PILOT WA Signier Membrane (see p. 18)

Mounting systems for automatic spray guns
Mounting systems are available to match every automatic spray gun. Spikes, flanges, cross clamps, flange clamps, foot clamps, angle clamps and hinge clamps are all available. We will gladly assist you.

Spray guns for recirculation systems
The material is pumped from the container to the spray guns. After the final spray gun in the chain, the material returns to the container via a counterpressure controller. This means that the material is constantly in circulation and does not settle in the lines.

Nozzle inserts
A nozzle insert consists of an air cap, a material nozzle and a needle. When ordering spare parts, it is generally advisable to order the entire nozzle insert. We will be happy to advise you.

Repair kits
A repair kit includes all the wearing parts, as recommended.

Applications laboratory
Optimum coating technologies are developed in the state-of-the-art WALTHER PILOT applications laboratory. These services are normally offered free of charge to our customers.
Spray coating technology, adhesive application, dot marking technology
- Air-atomizing spray guns
- Air-atomizing automatic spray guns
- Airless and AirCoat spray systems
- Complete spray installations

Compressed air supply
- Control cabinets
- Air filters and pressure regulators
- Air hoses and fittings

Material transfer technology
- Material pressure tanks
- Paint mixing tanks
- Agitators
- Pneumatic cover lifts
- Piston and diaphragm pumps
- Filling level sensors

Multi-component mixing and metering installations
- Mechanical equipment
- Electronically controlled equipment

Spray booths
- Combined spraying and drying booths
- Industrial spray booths with paint arrestors
- Water-wash booths
- Drying systems
- Air make-up units
- Filter systems for supply and exhaust air

Protective equipment
- Masks
- Protective clothing

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