

# WALTHER PILOT

## CATALOG

Components and Complete Systems



- **Coating, Marking and Adhesive Systems**
- **Tanks and Material Supply Systems**
- **Overspray Filtration, Spray Booths**



The Coatings Experts

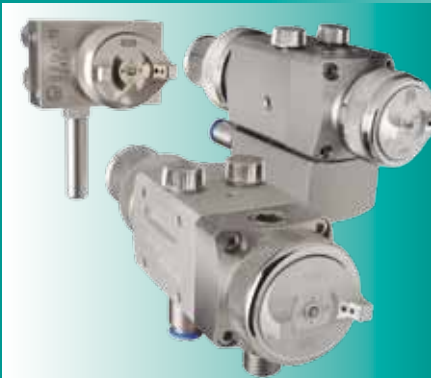
# System Solutions for the Complete Spraying Process



Spray guns for all jobs



Pressure tanks and agitators in various sizes and models



Automatic spray guns



Pneumatic or electro-pneumatic control units for controlling automatic spray guns



Energy saving spray booths and housings for optimizing the process



Conveyors and drying systems

**Walther Pilot is an expert in all aspects of spraying,**

- Spray guns for manual or automatic operation
- Material supply using pressure tanks or pumps
- Control of the spraying process using pneumatic or electronic control units
- Mountings, mounting plates, etc. for lifting devices, robots, stationary fittings
- Transport of parts to the spraying facility
- Overspray filtration systems or special housings for automatic spray guns
- Drying systems



- Reduce costs
- Protect the environment
- Assure quality



This symbol indicates particularly eco-friendly products.

*We put particular emphasis on an application system that saves material and protects the environment. That's why many spray guns are available as medium-pressure, HVLPP<sup>plus</sup> or HVLPP 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.*

# Contents

*Walther Pilot's high quality tools and complete systems enable you to work comfortably and safely, while protecting the environment.*



Ariane Toliopoulos, Walther Pilot Trainee



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.



Tanks, overspray filtration systems and spray booths are produced in the Neunkirchen-Struthütten factory. WALTHER PILOT is a market leader for pressure tanks.

WALTHER PILOT is a company of the Wagner Group.

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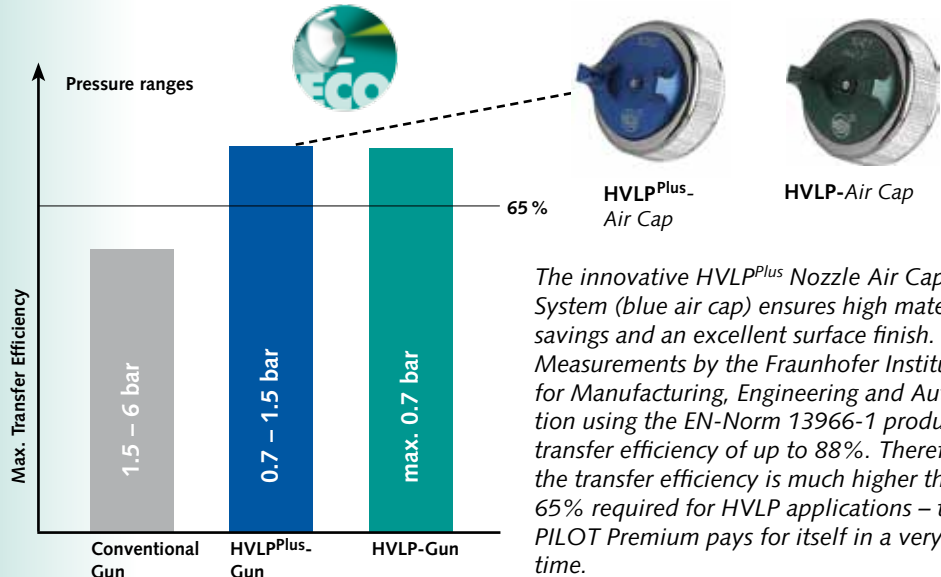
# Manual Spray Guns

## PILOT Premium

Top-class spray guns for excellent surface finish results. The innovative HVLP<sup>Plus</sup> Nozzle-Air Cap Technology was designed especially for these spray guns (and also for the automatic spray gun PILOT WA 700). HVLP<sup>Plus</sup> 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.



**Quicky Cup for PILOT Premium**  
Mixing and flow cup all in one, incl. flat filter. No annoying transfer of material. Simply mix, attach the cup and begin working immediately. See p.33 for further information.



### Further Advantages:

Ergonomic gun body design, suitable for both left- and right-handed users; all wetted parts: stainless steel, large material duct, no accumulation of material. Body: galvanized cast aluminum, new "Super Cup" (600 ml) with solid, easy-to-remove filter insert.

- Net weight gun with gravity-feed cup: 470 g, material connection gun: 490 g
- Material pressure: max. 8 bar
- Atomizing pressure: depends on model

### Model Versions:

- Standard spray gun: PILOT Premium

Gravity-feed cup "Super Cup"

Material connection

Siphon-feed cup, 1000 ccm

- HVLP<sup>Plus</sup>-spray gun: PILOT Premium HVLP<sup>Plus</sup>

Gravity-feed cup "Super Cup"

Material connection

Suspended pressure-feed cup (in preparation)

- HVLP-spray gun: PILOT Premium-ND

Gravity-feed cup "Super Cup"

Material connection

Suspended pressure-feed cup (in preparation)

Wide-to-round-jet nozzle insert 0.3 mm ø

Wide-to-round-jet nozzle insert 0.5 mm ø

Wide-to-round-jet nozzle insert 0.8 mm ø

Wide-to-round-jet nozzle insert 1.0 mm ø

Wide-to-round-jet nozzle insert 1.2 mm ø

Wide-to-round-jet nozzle insert 1.5 mm ø (Standard)

Wide-to-round-jet nozzle insert 1.8 mm ø

Wide-to-round-jet nozzle insert 2.0 mm ø

Wide-to-round-jet nozzle insert 2.2 mm ø

Wide-to-round-jet nozzle insert 2.5 mm ø

Wide-to-round-jet nozzle insert 3.0 mm ø

Wide-to-round-jet nozzle insert 3.5 mm ø

### Part No.

V 10 70 03 03 3

1

2

V 10 72 0

V 10 70 04 03 3

3

4

V 10 72 1

V 10 70 03 03 3

5

6

V 10 72 2

0 3

0 5

0 8

1 0

1 2

1 5

1 8

2 0

2 2

2 5

3 0

3 5



# Manual Spray Guns

## PILOT Maxi

Spray gun for the finest surface finish results. 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

### Model versions:

- HVLP spray gun: PILOT Maxi-ND

Gravity-feed cup, 450 ccm

Material connection

Suspended pressure-feed cup, 800 ccm

- Medium-pressure gun: PILOT Maxi-MD

Gravity-feed cup, 450 ccm

Material connection

Suspended pressure-feed cup, 800 ccm

- Standard spray gun (conventional atomization): PILOT Maxi

Gravity-feed cup, 450 ccm

Material connection

Siphon-feed cup, 1000 ccm

Wide-to-round-jet nozzle insert 0.3 mm ø

Wide-to-round-jet nozzle insert 0.5 mm ø

Wide-to-round-jet nozzle insert 0.8 mm ø

Wide-to-round-jet nozzle insert 1.0 mm ø

Wide-to-round-jet nozzle insert 1.2 mm ø

Wide-to-round-jet nozzle insert 1.5 mm ø (Standard)

Wide-to-round-jet nozzle insert 1.8 mm ø

Wide-to-round-jet nozzle insert 2.0 mm ø

Wide-to-round-jet nozzle insert 2.2 mm ø

Wide-to-round-jet nozzle insert 2.5 mm ø

### Part No.

V 11 63	□	04	□	□	3
Gravity-feed cup, 450 ccm	3				
Material connection	4				
Suspended pressure-feed cup, 800 ccm	5				
V 11 61	□	05	□	□	3
Gravity-feed cup, 450 ccm	5				
Material connection	6				
Suspended pressure-feed cup, 800 ccm	7				
V 11 61	□	03	□	□	3
Gravity-feed cup, 450 ccm	3				
Material connection	4				
Siphon-feed cup, 1000 ccm	9				
Wide-to-round-jet nozzle insert 0.3 mm ø				0	3
Wide-to-round-jet nozzle insert 0.5 mm ø				0	5
Wide-to-round-jet nozzle insert 0.8 mm ø				0	8
Wide-to-round-jet nozzle insert 1.0 mm ø				1	0
Wide-to-round-jet nozzle insert 1.2 mm ø				1	2
Wide-to-round-jet nozzle insert 1.5 mm ø (Standard)				1	5
Wide-to-round-jet nozzle insert 1.8 mm ø				1	8
Wide-to-round-jet nozzle insert 2.0 mm ø				2	0
Wide-to-round-jet nozzle insert 2.2 mm ø				2	2
Wide-to-round-jet nozzle insert 2.5 mm ø				2	5



## 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 a particularly high transfer efficiency.

- Weight: 295 g
- Material pressure: max. 8 bar
- Atomizing pressure: according to model version

### Model versions:

- Medium-pressure spray gun: PILOT Mini-MD

- Standard spray gun: PILOT Mini

Gravity-feed cup, 125 cc, with filter 200 Mesh

Material connection

Siphon-feed cup, 600 cc (only on standard spray gun)

(Alternative: Siphon-feed cup, 125 cc)

Wide-to-round-jet nozzle insert 0.3 mm ø

Wide-to-round-jet nozzle insert 0.5 mm ø

Wide-to-round-jet nozzle insert 0.8 mm ø

Wide-to-round-jet nozzle insert 1.0 mm ø

Wide-to-round-jet nozzle insert 1.2 mm ø (Standard)

Wide-to-round-jet nozzle insert 1.5 mm ø

Wide-to-round-jet nozzle insert 1.8 mm ø

Wide-to-round-jet nozzle insert 2.0 mm ø

Wide-to-round-jet nozzle insert 2.2 mm ø

### Part No.

V 10 14	□	02	□	□	3
V 10 15	□	02	□	□	3
Gravity-feed cup, 125 cc, with filter 200 Mesh	1				
Material connection	2				
Siphon-feed cup, 600 cc (only on standard spray gun)	2	80			
(Alternative: Siphon-feed cup, 125 cc)					
Wide-to-round-jet nozzle insert 0.3 mm ø				0	3
Wide-to-round-jet nozzle insert 0.5 mm ø				0	5
Wide-to-round-jet nozzle insert 0.8 mm ø				0	8
Wide-to-round-jet nozzle insert 1.0 mm ø				1	0
Wide-to-round-jet nozzle insert 1.2 mm ø (Standard)				1	2
Wide-to-round-jet nozzle insert 1.5 mm ø				1	5
Wide-to-round-jet nozzle insert 1.8 mm ø				1	8
Wide-to-round-jet nozzle insert 2.0 mm ø				2	0
Wide-to-round-jet nozzle insert 2.2 mm ø				2	2



# Manual Spray Guns

## PILOT Trend

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

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

### Model:

- Standard spray gun: PILOT Trend

Plastic gravity-feed cup, 600 cc

Material connection

Siphon-feed cup, 600 cc

### Part No.

V 10 60 ☐ 03 ☐ ☐ 3

1

2

- Medium Pressure Spray Gun: PILOT Trend-MD

V 10 61 ☐ 04 ☐ ☐ 3

Plastic gravity-feed cup, 600 cc

Material connection

Suspended pressure-feed cup (in preparation)

Wide-to-round-jet nozzle insert 0.5 mm ø

0 5

Wide-to-round-jet nozzle insert 0.8 mm ø

0 8

Wide-to-round-jet nozzle insert 1.0 mm ø

1 0

Wide-to-round-jet nozzle insert 1.2 mm ø

1 2

Wide-to-round-jet nozzle insert 1.5 mm ø

1 5

Wide-to-round-jet nozzle insert 1.8 mm ø (standard)

1 8

Wide-to-round-jet nozzle insert 2.0 mm ø

2 0

Wide-to-round-jet nozzle insert 2.5 mm ø

2 5

## 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: max. 8 bar
- Atomizing pressure: according to model

### Model:

- Medium Pressure Spray Gun: PILOT III F-MD

Plastic gravity-feed cup, 600 cc

Material connection

### Part No.

V 10 31 ☐ 02 ☐ ☐ 3

0

1

- Standard Gun (conventional atomizing): PILOT III F

V 10 30 ☐ 02 ☐ ☐ 3

Plastic gravity-feed cup, 600 cc

Material connection

Material feed pipe

Siphon-feed-cup, 1000 cc

7

3 72

Wide-to-round-jet nozzle insert 0.5 mm ø

0 5

Wide-to-round-jet nozzle insert 0.8 mm ø

0 8

Wide-to-round-jet nozzle insert 1.0 mm ø

1 0

Wide-to-round-jet nozzle insert 1.2 mm ø

1 2

Wide-to-round-jet nozzle insert 1.5 mm ø (standard)

1 5

Wide-to-round-jet nozzle insert 1.8 mm ø

1 8

Wide-to-round-jet nozzle insert 2.0 mm ø

2 0

Wide-to-round-jet nozzle insert 2.5 mm ø

2 5

Wide-to-round-jet nozzle insert 3.0 mm ø

3 0

Wide-to-round-jet nozzle insert 3.5 mm ø

3 5

Standard air cap: Four-hole air cap. Further air caps on request.  
Also available with pressure-feed cups.



# Manual Spray Guns

## 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

### Model:

- HVLP Gun: PILOT XIII-ND

Plastic gravity-feed cup, 600 cc

Pressurized gravity-feed cup, 450 cc

Material connection

Suspended-pressure-feed cup, 800 cc

### Part No.

V 11 33 ☐ 03 ☐ 3

1

6

2

8

V 11 30 ☐ 03 ☐ 3

1

2

3 73

Wide-to-round-jet nozzle insert 0.5 mm ø

0 5

Wide-to-round-jet nozzle insert 0.8 mm ø

0 8

Wide-to-round-jet nozzle insert 1.0 mm ø

1 0

Wide-to-round-jet nozzle insert 1.2 mm ø

1 2

Wide-to-round-jet nozzle insert 1.5 mm ø (standard)

1 5

Wide-to-round-jet nozzle insert 1.8 mm ø

1 8

Wide-to-round-jet nozzle insert 2.0 mm ø

2 0

Wide-to-round-jet nozzle insert 2.5 mm ø

2 5

Wide-to-round-jet nozzle insert 3.0 mm ø

3 0

Wide-to-round-jet nozzle insert 3.5 mm ø (except HVLP Model)

3 5



## PILOT XIII-U

As above, but a version for material recirculation with special front body

### Model:

- Gun for conventional atomizing

Wide-to-roundjet nozzle insert options:

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

### Part No.

V 11 312 03 . . 3

## PILOT XIII-50 bar

Can be used with pressure-regulated pumps, for example

### Model:

- High-pressure gun (maximum operating pressure 50 bar)

Nozzle-air cap system options:

1.0 / 1.5 / 2.0 / 2.5 mm ø

### Part No.

V 11 342 43 . . 3



## PILOT Misch-N

Two-component spray gun for refined surface finishes, particularly for producing chrome surfaces. 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

V 24 320 00 ☐ 3

Wide-jet nozzle insert 0.5 mm ø

0 5

Wide-jet nozzle insert 0.8 mm ø

0 8

Wide-jet nozzle insert 1.0 mm ø

1 0

Wide-jet nozzle insert 1.2 mm ø

1 2

Wide-jet nozzle insert 1.5 mm ø

1 5

Wide-jet nozzle insert 1.8 mm ø

1 8

Wide-jet nozzle insert 2.0 mm ø

2 0

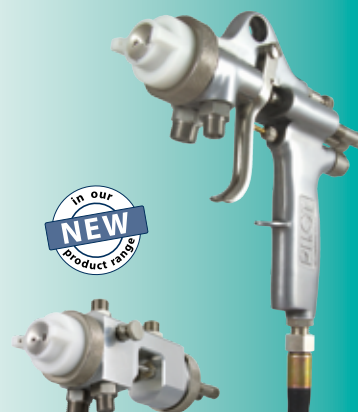
Wide-jet nozzle insert 2.5 mm ø

2 5

Spray guns with different nozzle sizes for the respective components available on request.

- This spray gun is also available as an automatic model:

V 24 340 02 . . 3



The PILOT Misch-N-Automatic is available as a newer, lighter model.





# Manual Spray Guns



## PILOT IV – The Classic

Attractive spray gun in a nostalgic design with a wooden handle and plastic gravity-feed cup, 600 cc (optionally with aluminum cup, 450 cc). Light alloy body. Also available with paint feed pipe (see p. 35).

- Weight: 630 g
- Material pressure: max. 8 bar
- Atomizing pressure: max. 8 bar

### Part No.

V 11 401 02 ☐ ☐ 3

Wide-to-round-jet nozzle insert 0.5 mm ø	0 5
Wide-to-round-jet nozzle insert 0.8 mm ø	0 8
Wide-to-round-jet nozzle insert 1.0 mm ø	1 0
Wide-to-round-jet nozzle insert 1.2 mm ø	1 2
Wide-to-round-jet nozzle insert 1.5 mm ø (standard)	1 5
Wide-to-round-jet nozzle insert 1.8 mm ø	1 8
Wide-to-round-jet nozzle insert 2.0 mm ø	2 0
Wide-to-round-jet nozzle insert 2.5 mm ø	2 5
Wide-to-round-jet nozzle insert 3.0 mm ø	3 0
Wide-to-round-jet nozzle insert 3.5 mm ø	3 5



## PILOT I

Spray gun for decorative work, with aluminum gravity-feed cup, 100 cc, for model making and many other fine spraying jobs. Also available with paint feed pipe (see p. 35).

- Weight: 260 g
- Material pressure: max. 8 bar
- Atomizing pressure: max. 8 bar

### Model:

- with round-jet nozzle insert
- with wide-jet nozzle insert

### Part No.

V 10 101 51 ☐ ☐ 3

V 10 101 02 ☐ ☐ 3

Nozzle insert 0.2 mm ø (only for round-jet)	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



Wagner Airless  
Spray Gun G15

## WAGNER Airless Spray Gun AG 14 F

- Standard Airless Spray Gun
- Material pressure up to 270 bar
- Integrated material filter
- Swiveling material connection ¼" NPS

### Part No.

AE 20 025 70 15

All conventional airless nozzles available, table of nozzles available on request



GM 4100 AC

## WAGNER-Airless Spray Gun G 15

- Standard Airless Spray Gun
- Material pressure up to 530 bar
- Integrated material filter
- Swiveling material connection ¼" NPS

### Part No.

AE 20 034 70 01

All conventional airless nozzles available, table of nozzles available on request

## WAGNER-AirCoat Spray Gun GM 4100 AC / GM 4600 AC

- Operating pressure: 160 or 250 bar
- Air caps: red – low viscosity materials, blue – high viscosity materials

### Ultra light GM 4100 AC

Slim ergonomic handle with a gap filter in the material pipe, weight: 437 g

### Light GM 4600 AC

Ergonomic handle with plastic material filter in the material pipe, weight: 526 g

Part No. available on request



GM 4600 AC

# Special Application Spray Guns

## Model

## Part No.

### PILOT Premium AR

Spray gun with a special air cap designed for abrasive media such as ceramics, enamel or engobes

Available nozzle sizes:

1.0 / 1.5 / 1.8 / 2.0 / 2.5 / 3.0 mm ø

Plastic gravity-feed cup, 600 cc

Material connection

V 10 731 04 . . 3

V 10 732 04 . . 3

### PILOT Twin

Spray gun for low-viscosity materials such as mould separating agents

Available nozzle sizes:

0.2 / 0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm ø

V 11 531 00 . . 3

### PILOT IV EM

Spray gun for spraying viscous material, 450 cc gravity-feed cup, aluminum or plastic

Round-jet nozzle insert, available in sizes:

1.5 / 2.0 / 2.5 / 3.0 / 3.5 / 4.0 / 4.5 / 5.0 / 5.5 mm ø

Rotary-jet nozzle insert, available in sizes:

1.5 / 2.0 / 2.5 / 3.0 / 3.5 / 4.0 / 4.5 / 5.0 / 5.5 mm ø

V 11 411 51 . . 3

V 11 411 21 . . 3

### PILOT II

Round-jet spray gun with wooden handle and 350 cc aluminum gravity-feed cup. Body: nickel-plated brass

Round-jet nozzle insert, available in sizes:

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

V 10 201 51 . . 3

### PILOT IX

Spray gun for use with oil, gasoline and kerosene mixes. With suspended 700 cc plastic cup. Adjustable spray head

V 10 874 00 010

### PILOT SIL 22 / 23

Mirror-silvering spray guns with 2 spray caps

Mirror-silvering spray guns with 3 spray caps

V 24 233 51 . . 3

V 24 232 51 . . 3

### PILOT WP

Water atomization gun (not shown)

Available nozzle sizes:

1.0 / 1.2 / 1.5 / 1.8 / 2.0 mm ø

V 24 602 00 0 . .

### PILOT WS

Blast-cleaning gun

Available nozzle sizes:

5.0 / 6.0 / 7.0 mm ø

V 24 603 00 . . 2

### PILOT VIII

Air-blow gun

Gun body: brass, nozzle: nickel-plated brass

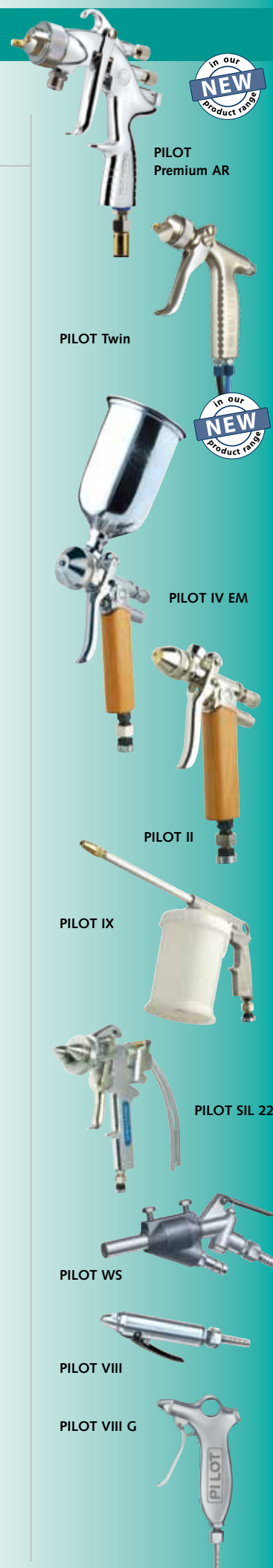
V 10 850 00 000

### PILOT VIII G

Air-blow gun

Gun body: light metal, nozzle: nickel-plated brass

V 10 831 00 000

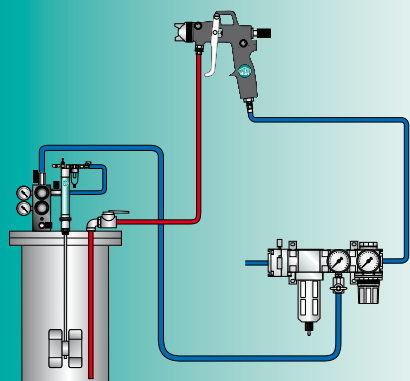


# Spray Coating Systems with Material Pressure Tanks

## Stationary Spray Coating Systems with Pressure Tanks

### Solvent-based materials:

- Galvanized material pressure tank, sizes available: 4, 8, 12, 22\*, 24, 45\*, 60 liter – more sizes available on request
- Choice of agitator options: manual, air-powered or electric. We are happy to advise you about the best agitator for your requirements.
- Available air-atomizing spray guns: Standard, medium-pressure, HVLP<sup>Plus</sup>- or HVLP models.
- Material filter with strainer 100 mesh. Strainer insets with 30, 50, and 200 mesh are also available
- Filter/pressure regulator for pressure tank and spray gun
- Hose set:
  - 7 m air hose from filter/pressure regulator to spray gun
  - 2 m air hose from filter/pressure regulator to tank
  - 5 m material hose from pressure tank to spray gun



Stationary spraying system, with agitator (optional)

### Water-based materials:

*For spraying water-borne materials, tanks made of stainless steel are required, unless you are working with original drums inserted into the pressure tanks or with stainless steel inserts. In this case, the material outlet pipe, the wetted agitator parts and further fittings should be made of stainless steel.*

*When using water-borne materials, we recommend spray guns with stainless steel wetted parts, for example the PILOT Premium, PILOT Maxi, PILOT Mini or PILOT XIII.*

## Mobile Spraying Systems

### Solvent-based materials:

- Galvanized material pressure tank, sizes available: 12, 22\*, 24, 45\*, 60 liter – further sizes available on request
- Choice of agitator options: manual, air-powered or electric
- Air atomizing spray guns: Standard, medium pressure, HVLP<sup>Plus</sup> or HVLP models
- The regulator for connecting the spray gun is mounted on the tank itself. Use filtered compressed air only.
- Hose set:
  - 5 m air hose from the filter/ pressure regulator to the spray gun
  - 5 m material hose from the material pressure tank to the spray gun
- Trolley matched to tank size

### Water-borne materials:

See above

## Spray coating system for water-borne or solvent-based materials

### Consisting of:

- Lightweight stainless steel material pressure tank type LDG 5 or LDG 10
- **Standard spray gun PILOT Maxi or PILOT Premium**  
Alternatively: spray gun PILOT Maxi-MD or PILOT Premium HVLP<sup>Plus</sup>  
Alternatively: HVLP spray gun PILOT Maxi-ND or PILOT Premium HVLP
- 5 m set of hoses

### Optional extras:

- Agitator options: manual, air-powered (electric agitator with LDG 10)
- Type H1 filter/pressure regulator



Mobile spraying system



Type H1 filter/compressed air regulator

\* The MDG 22 and MDG 45 pressure tanks can be used to hold original drums. This allows you to work directly from the original drum, thus reducing cleaning requirements.



# System for Low-Viscosity Spraying Media

## 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  
PILOT Twin offers a choice of three different spraying angles (round jet and angles of approx. 30° and 60°). Changing the nozzle insert or the air cap for this purpose is not necessary. Only the air distributor rings (included free of charge) need to be changed. That can be done in seconds without using tools.
- Hose package PU-Twin 5 m twin hose consisting of air hose and material hose

Part No.: V 40 700 00 000



## Spray-Coating Systems with Double Diaphragm Pumps

### SprayPak A – Compact Spraying Unit With diaphragm pump MBP 5212

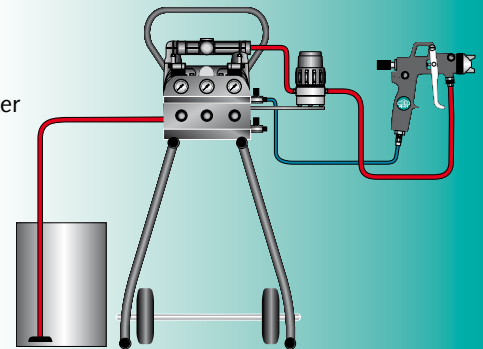
*The pneumatically operated filter/pressure regulator enables quiet operation and an even spray coating. Easy handling.*

Consisting of:

- Diaphragm pump Type MBP 5212, optionally on a stand, trolley or console
- Three pressure regulator valves (for gun, pump and pulsation dampener) with manometer
- Pneumatically operated filter/compressed air regulator (= pulsation dampener)
- 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 when ordering). Other spray guns available on request.

Part No. Please replace X with:  
1=stand; 2=trolley 4=wall console

Housing: aluminum (AL)	A 52 121 45 21X
conductive polypropylene (PPc)	A 52 122 45 21X
stainless steel (SS)	A 52 127 45 21X

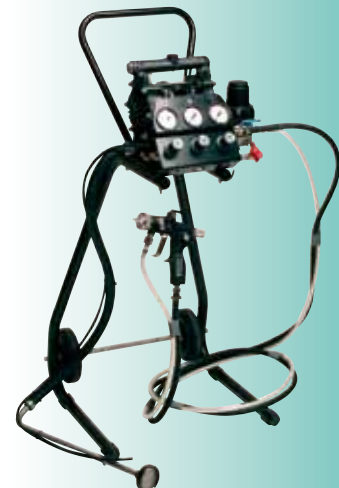


### SprayPak B

*As above, but without guns and hoses*

Part No. Please replace X with:  
1=stand; 2=trolley; 4=wall console

Housing: aluminum (AL)	A 52 121 45 22X
conductive polypropylene (PPc)	A 52 122 45 22X
stainless steel (SS)	A 52 127 45 22X



PILOT  
SprayPak A  
with trolley  
and spray gun

### SprayPak A-LC – Compact Spraying Unit with Diaphragm Pump MBP 2812 and Material Filter

Consisting of:

- Diaphragm pump type MBP 2812, 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 when ordering)

Housing: aluminum (AL) A 28 12 145 211

### SprayPak B-LC

*As above, but without gun and hoses*

Housing: aluminum (AL) A 28 12 145 221



PILOT SprayPak A-LC  
with stand

# Universal Automatic Spray Guns

## Model

## Part No.



PILOT WA 700

### PILOT WA 700

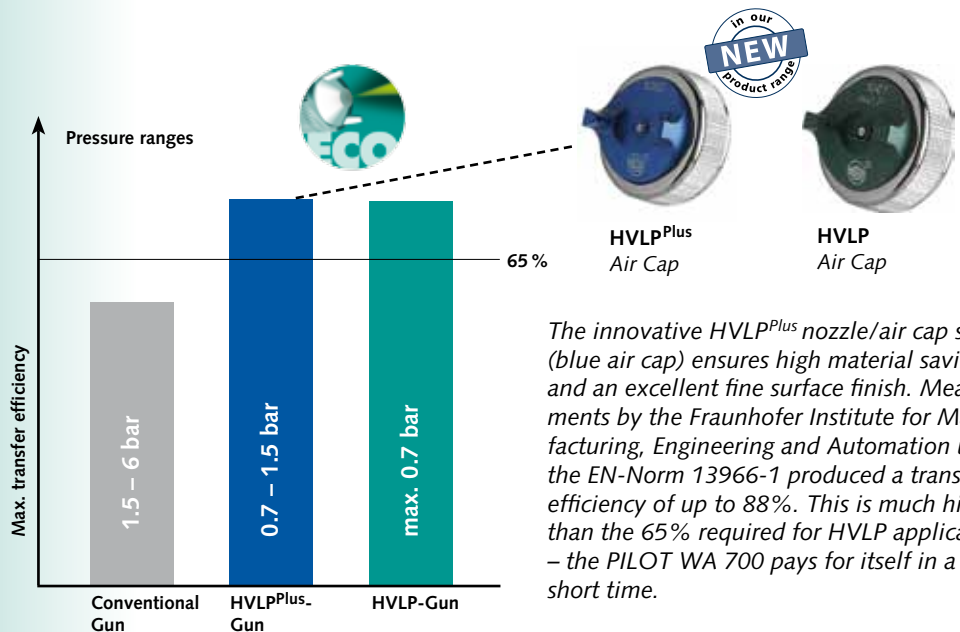
Thanks to the newly developed HVLP<sup>Plus</sup> nozzle/air cap system, the PILOT WA 700 automatic spray gun series offers the finest results while at the same time saving material. Depending on the application required, the spray gun is available with internal or external control. Front body and all wetted parts: stainless steel. Material-volume adjustment through 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



Various nozzle extensions and corresponding spray caps are also available for the new PILOT WA 700 series. We are happy to advise you.



#### Models with internal control:

PILOT WA 700:	standard version	V 20 700 06 . . 3
PILOT WA 710-U:	standard version for recirculation systems	V 20 710 06 . . 3
PILOT WA 720-ND:	HVLP version	V 20 720 03 . . 3
PILOT WA 730-ND-U:	HVLP version for recirculation systems	V 20 730 03 . . 3
PILOT WA 740-HVLP <sup>Plus</sup> :	HVLP <sup>Plus</sup> version	V 20 740 04 . . 3
PILOT WA 750-HVLP <sup>Plus</sup> -U:	HVLP <sup>Plus</sup> version for recirculation systems	V 20 750 04 . . 3

#### Models with external control:

PILOT WA 705:	standard version	V 20 705 06 . . 3
PILOT WA 715-U:	standard version for recirculation systems	V 20 715 06 . . 3
PILOT WA 725-ND:	HVLP version	V 20 725 03 . . 3
PILOT WA 735-ND-U:	HVLP version for recirculation systems	V 20 735 03 . . 3
PILOT WA 745-HVLP <sup>Plus</sup> :	HVLP <sup>Plus</sup> version	V 20 745 04 . . 3
PILOT WA 755-HVLP <sup>Plus</sup> -U:	HVLP <sup>Plus</sup> version for recirculation systems	V 20 755 04 . . 3



Mounting flange for PILOT WA 700

#### Mounting flange for PILOT WA 700

V 20 700 50 000

## Model

## Part No.

### PILOT WA 800

The PILOT WA 800 series offers a large selection of guns for almost all job specifications. The guns are all fitted with adapter plates. This allows the guns to be quickly exchanged for maintenance purposes. All wetted parts: stainless steel.  
Adapter plate: aluminum chemically galvanized.  
Stainless steel adapter plates available on request

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

#### Models with internal control:

PILOT WA 800:	standard version	V 20 800 06 . . 3
PILOT WA 810-U:	standard version for recirculation systems	V 20 810 06 . . 3
PILOT WA 820-ND:	HVLP version	V 20 820 03 . . 3
PILOT WA 830-ND-U:	HVLP version for recirculation systems	V 20 830 03 . . 3
PILOT WA 840-MD:	medium-pressure version	V 20 840 04 . . 3
PILOT WA 850-MD-U:	medium-pressure version for recirculation	V 20 850 04 . . 3

#### Models with external control:

PILOT WA 805:	standard version	V 20 805 06 . . 3
PILOT WA 815-U:	standard version for recirculation systems	V 20 815 06 . . 3
PILOT WA 825-ND:	HVLP version	V 20 825 03 . . 3
PILOT WA 835-ND-U:	HVLP version for recirculation systems	V 20 835 03 . . 3
PILOT WA 845-MD:	medium-pressure version	V 20 845 04 . . 3
PILOT WA 855-MD-U:	medium-pressure version for recirculation	V 20 855 04 . . 3

Mounting flange for PILOT WA 800

V 20 810 50 000



PILOT WA 800



The PILOT WA 800 is optimally suited for use with robots



#### Mountings for PILOT WA 800:

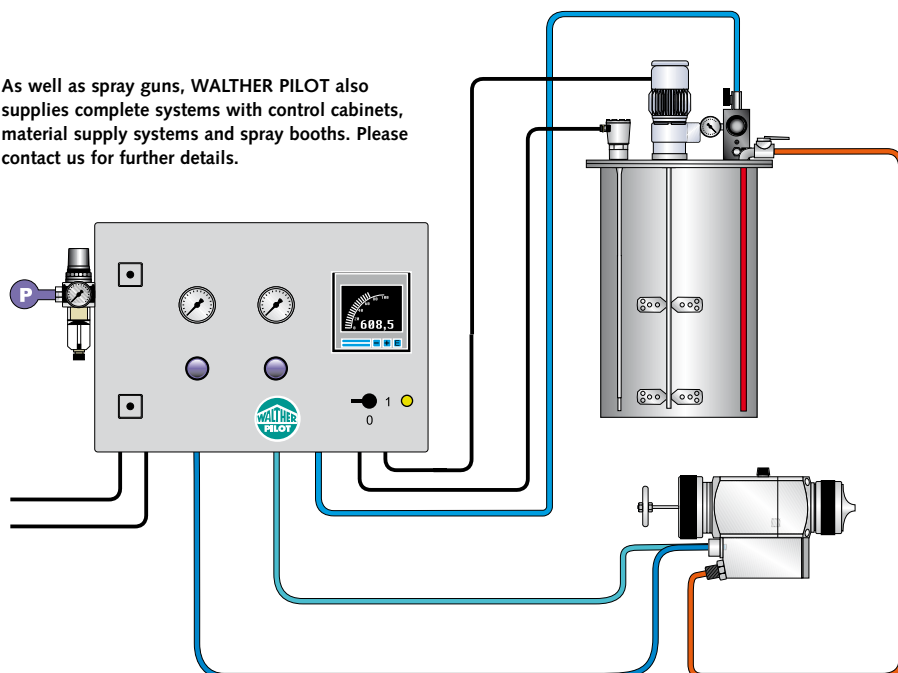
- Mounting flange to attach the adapter plate to the gun.

#### In addition:

- Cross clamp
  - Flange clamp
  - Foot clamp
  - Angle clamp
  - Universal clamp
- We are happy to advise you.



As well as spray guns, WALTHER PILOT also supplies complete systems with control cabinets, material supply systems and spray booths. Please contact us for further details.





# Universal Automatic Spray Guns



PILOT WA 400




## PILOT WA 400

The PILOT WA 400 series guns operate without internal control. Round and wide jet can be adjusted separately. Body: aluminum. Front body and all wetted parts: stainless steel. Material volume regulation through notch-type fine adjustment. Spray gun versions for external control available on request.

**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 mm ø

### Models:

PILOT WA 400:	standard version (for conventional spraying)		V 20 540 06 . . 3
	Model with stainless steel body		V 20 540 16 . . 3
PILOT WA 410-U:	standard version for recirculation systems		V 20 541 06 . . 3
PILOT WA 420-ND:	HVLP version		V 20 542 03 . . 3
PILOT WA 430-ND-U:	HVLP version for recirculation systems		V 20 543 03 . . 3
PILOT WA 425-MD:	medium pressure version		V 20 550 04 . . 3
PILOT WA 435-MD-U:	medium pressure version for recirculation systems		V 20 551 04 . . 3
PILOT WA 450:	standard version with quick-change adapter plate (adapter plate: aluminum)		V 20 545 06 . . 3
PILOT WA 451-U:	standard version with quick-change adapter plate for recirculation systems		V 20 546 06 . . 3
PILOT WA 452-ND:	HVLP version with quick-change adapter plate		V 20 547 03 . . 3
PILOT WA 453-ND-U:	HVLP version with quick-change adapter plate for recirculation systems		V 20 548 03 . . 3



PILOT WA 450



## PILOT WA 500

Spray gun series for the finest surface finishes, with an internal control feature to open and close the atomizing air input. Front body and all wetted parts: stainless steel. Material volume regulation through notch-type fine adjustment.

**Wide-to-round-jet nozzle inserts available:**

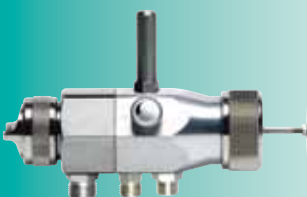
0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 / 1.8 / 2.0 / 2.2 / 2.5 mm ø

### Models:

PILOT WA 500:	standard version (for conventional spraying)		V 20 500 06 . . 3
	Model with stainless steel body		V 20 502 06 . . 3
PILOT WA 510-U:	standard version for recirculation systems		V 20 510 06 . . 3
PILOT WA 520-ND:	HVLP version		V 20 520 03 . . 3
PILOT WA 530-ND-U:	HVLP version for recirculation systems		V 20 530 03 . . 3
PILOT WA 525-MD:	medium-pressure version		V 20 525 04 . . 3
PILOT WA 535-MD-U:	medium-pressure version for recirculation systems		V 20 535 04 . . 3
PILOT WA 515 Membrane:	Model with diaphragm instead of needle packing, for working with special spray media, e.g. abrasive media		V 20 515 02 . . 3



PILOT WA 500



PILOT WA 515 Membrane

# Universal Automatic Spray Guns

Model	Part No.
<b>PILOT WA XV</b> <i>The hard-wearing and good value automatic spray guns in this series are suitable for all common 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.</i> <b>Wide-to-round-jet nozzle inserts available:</b> 0.5 / 0.8 / 1.0 / 1.2 / 1.5 / 1.8 / 2.0 / 2.2 / 2.5 / 3.0 / 3.5 mm ø <b>Models:</b> <b>PILOT WA XV:</b> standard version without pullbar <b>PILOT WA XV-U:</b> standard version for recirculation systems <b>PILOT WA XV pullbar:</b> standard version with pullbar for manual nozzle opening <b>PILOT WA XV-ND:</b> HVLP-Version <b>Wide-to-round-jet nozzle inserts available:</b> 0.8 / 1.0 / 1.2 / 1.3 / 1.5 / 1.8 / 2.0 mm ø	V 20 662 03 . . 3 V 20 612 03 . . 3 V 20 642 03 . . 3 V 20 672 03 . . 3
<b>PILOT WA XV Membrane:</b> Model with diaphragm instead of needle seal packing, for working with special spray media, e.g. abrasive media <b>Wide-to-round-jet nozzle inserts available:</b> 0.3 / 1.0 / 1.2 / 2.0 mm ø	V 20 602 51 . . 3



PILOT WA XV



PILOT WA XV Pullbar version

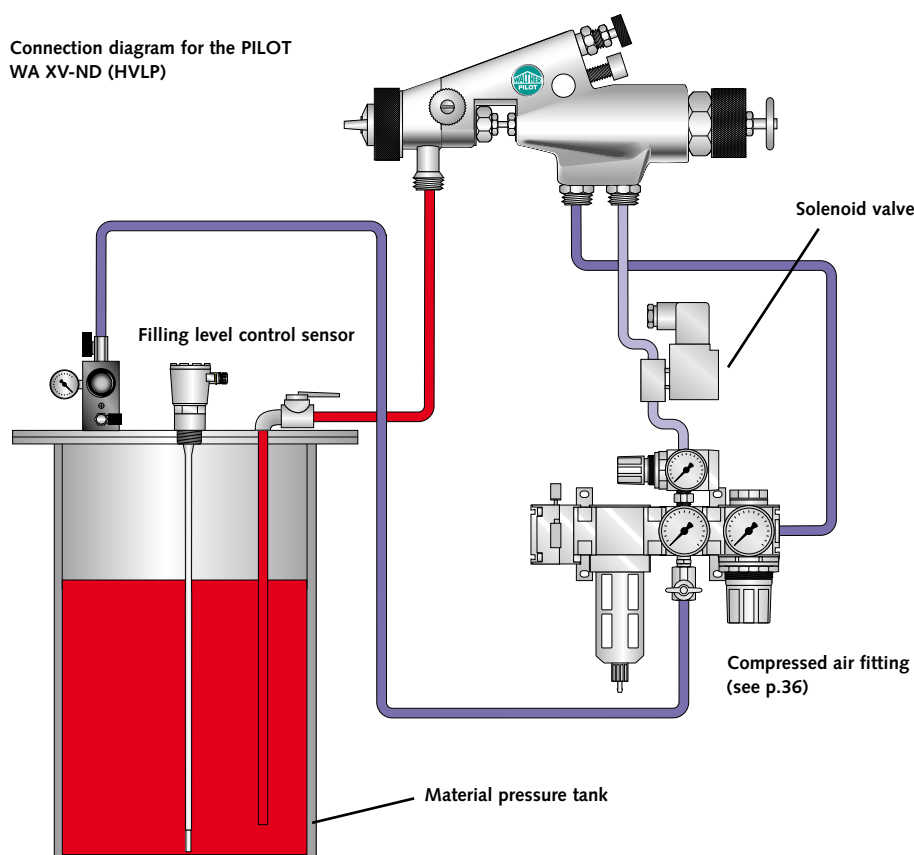


PILOT WA XV-ND (HVLP)



PILOT WA XV Membrane  
(option of material connection  
from above or from below)

Connection diagram for the PILOT  
WA XV-ND (HVLP)



Spray guns being used in the  
packaging industry

# Compact Automatic Spray Guns



PILOT WA 50

## PILOT WA 50

*Miniature automatic spray gun for the most delicate spraying jobs  
Body: stainless steel.*

**Round-jet nozzle inserts available:**

0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm Ø

**Wide-jet nozzle inserts available:**

0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm Ø

**Part No.**

V 20 305 51 . . 3

V 20 305 01 . . 3



PILOT WA 80

## PILOT WA 80 – the “Pipe Crawler”

*Spray gun particularly suited to coating inner pipe surfaces.  
The circular-shaped spray jet is produced by a special disk nozzle.  
The gun is made entirely of stainless steel.*

**Available nozzle sizes:**

0.5 mm / 1.0 mm / 1.5 mm Ø

V 20 380 51 . . 3



PILOT WA 100

## PILOT WA 100

*This compact spray gun is ideally suited for use with robots.  
The gun body is made of hard-coated aluminum.  
Wide and round-jet are controlled externally.  
Large nozzle range with only two air cap sizes.  
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  
(for conventional spraying)

V 20 310 02 . . 3

**PILOT WA 100:** standard version – flushable

V 20 311 02 . . 3

**PILOT WA 100:** standard version – stainless steel gun body

V 20 312 02 . . 3

**PILOT WA 100:** recirculation version –  
stainless steel gun body

V 20 312 10 . . 3



PILOT WA 100,  
Stainless steel gun body

**PILOT WA 100-MD:** medium pressure version



V 20 313 02 . . 3

**Recirculation versions available on request.**

## PILOT WA 600

*Small automatic spray gun for the finest surface finishes.  
Internal control feature opens and closes the atomizing air input.  
Material volume regulation through notch-type fine adjustment.  
All wetted parts: stainless steel.*

**Wide-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)

V 20 600 02 . . 3

**PILOT WA 610-HD-U:** standard version for recirculation systems

V 20 601 02 . . 3

**PILOT WA 625-MD:** medium-pressure version

V 20 607 04 . . 3

**PILOT WA 635-MD-U:** medium-pressure version for  
recirculation systems



V 20 608 04 . . 3



PILOT WA 600



# Airless / Air-Assisted Airless Equipment

## Model

## Part No.

### PILOT WA 21

*Small airless spray gun, stainless steel gun body.*

No nozzle, max. operating pressure: 120 bar

All standard airless nozzles available.

Table of nozzles available on request.

V 20 952 00 003



PILOT WA 21

### PILOT WA 30

*Compact airless spray gun.*

No nozzle, max. operating pressure: 350 bar.

As above, but with stainless steel gun body.

All standard airless nozzles available.

Table of nozzles available on request.

V 20 900 00 000

V 20 900 00 003



PILOT WA 30

### PILOT WA 30-U

*Compact airless spray gun for recirculation systems.*

Without nozzle, max. operating pressure: 350 bar.

As above, but with stainless steel gun body.

All standard airless nozzles available.

Table of nozzles available on request.

V 20 900 00 100

V 20 900 00 103



PILOT WA 30  
stainless steel gun body

### Metering Valve PILOT WA 30

(see p.37)

### WAGNER AirCoat Automatik

#### GA 4000 AC IC

*With internal control*

on request



### WAGNER AirCoat Automatik

#### GA 4000 AC EC

*With external control*

on request



WAGNER AirCoat Automatik

Wide range of accessories available e.g. nozzle filters, hose filters, reversible tips, cleaning needles for nozzles, high pressure hoses, etc.

## For Spraying Small Parts / Intricate Spraying Jobs

### PILOT Signier

*This spray gun is suitable for a whole host of delicate spraying jobs.*

*Internal control for opening and closing the atomizing air input.*

*Gun body: nickel-plated brass. Nozzle: stainless steel.*

*Air caps: round or wide-jet air cap.*

Round-jet nozzle inserts available:

0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm ø

Recirculation version

With wide-jet nozzle insert

With additional function to clean the nozzle/air cap

V 20 360 51 . . 3

V 20 361 51 . . 3

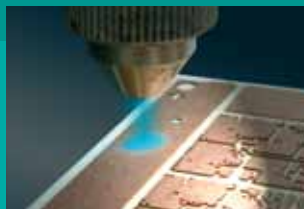
V 20 360 02 . . 3

V 20 363 51 . . 3



PILOT Signier





# Automatic Spray Guns for Marking

## Model

## Part No.

### Standard Models

#### PILOT Signier

Fully automatic spray gun for dot matrix or line marking.  
Gun body: nickel-plated brass.  
Nozzle: stainless steel; air caps: round or wide.

With round-jet nozzle insert:

0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm ø

Recirculation version

With wide-jet nozzle insert

With flushing function to clean nozzle/air cap

With flushing function as recirculation model

Mounting flange for marking gun, galvanized

V 20 360 51 . . 3

V 20 361 51 . . 3

V 20 360 02 . . 3

V 20 363 51 . . 3

V 20 365 51 . . 3

V 20 360 90 220



PILOT Signier



PILOT Signier flushable



PILOT WA 200

#### PILOT WA 200

Fully automatic spray gun.  
Front body and all wetted parts: stainless steel.

With round-jet nozzle inserts:

0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm ø

Wide-jet nozzle inserts available on request.

Model made completely of stainless steel available on request.

V 20 330 51 . . 3

### 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 working with abrasive or moisture-curing media.

With round-jet nozzle insert:

0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm ø

Wide-jet nozzle inserts available on request

V 20 357 51 . . 3



PILOT Signier-Membrane



PILOT WA 210-H

#### PILOT WA 210-H

Fully automatic spray gun. Front body and all wetted parts: Hastelloy®  
Particularly suited for use with acids and lyes.  
Mesamoll lubrication effectively reduces needle packing wear.  
Material volume regulation.

Round-jet nozzle inserts available:

0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm ø

Wide-jet nozzle inserts available on request

V 20 331 51 . . 3

### Special spray guns with reduced space requirements

#### PILOT WA 50

Miniature spray gun with external control for atomization parameters.  
All wetted parts: stainless steel.

With round-jet nozzle inserts:

0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm ø

With wide-jet nozzle inserts:

0.3 / 0.5 / 0.8 / 1.0 / 1.2 / 1.5 mm ø

Also available with material volume regulation.

V 20 305 51 . . 3

V 20 305 01 . . 3



PILOT WA 50

# Marking Accessories

## 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.

Block with 7 spray guns

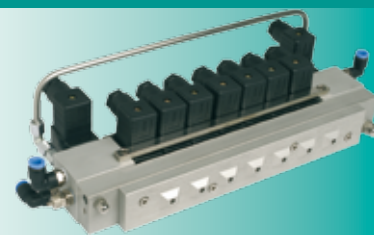
Block with 9 spray guns

Pneumatically controlled marking blocks also available

on request

on request

on request



Electromagnetic marking block

## Mountings / Marking Bridges

WALTHER PILOT also supplies mountings which adapt spray guns for multiple coding purposes. We also offer tailor-made solutions for your production, including marking bridges.

on request



Marking bridges

Marking mount with flange, cross clamp, foot clamp

## Pressure Tanks for Material Supply MDG 1, 2, 3, 4, 22 – LDG 5, 10, 20

Stainless steel pressure tanks for secure storage of paints, inks and cleaning agents, as well as for the transfer of fluids to the spray gun. Paint containers can be placed into corresponding pressure tanks. For information on individual tanks and agitators see p. 38 - 49.

## Special Compressed Air Fitting

For pressure tanks used for marking. This fitting is for use with solvent-based paints, inks and cleaning agents.

## Special Fittings

For combining air pressure regulation functions in simple systems (control air, atomizing air for spray gun, air for pressure tank)



Small pressure tanks and agitators

V 35 454 00 300

## Paints, Inks, Cleaning Agents

### • Standard Marking Paint Type WPF 1922

Characteristics/features: alcohol-based eco-friendly product. Quick-drying, clear marking points, weatherproof. Application: marking dry surfaces e.g. sheet metal, pipes. WPF 1922: different shades as required. WFF 1922: fluorescent white, red, green. Corresponding thinner: WPV 0218.

### • Standard Marking Ink Type WPT 1800

Features: eco-friendly acetone-alcohol-based product. Quick-drying, clear marking points, for light surfaces. Application: for marking dry or slightly damp surfaces. Frequently used for error marking. WPT 1800: RGB color range, further shades available on request. Corresponding thinner: WPV 0166.

### • Special Marking Paint Type WPF 0232

Features: dichloromethane-based product. Quick-drying, dries within one second. Application: for marking dry and oily surfaces. WPF 0232: different paint shades as needed. WFF 0232: fluorescent magenta, white, red, green. Corresponding thinner: WPV 0222.

### • Drum sizes:

- 1 liter can, for use with pressure tank Type MDG 1
- 1 liter bottle, for use with pressure tank Type MDG 3
- 2 liter can, for use with pressure tank Type MDG 4
- 5 liter canister
- 10 liter bucket, for use with pressure tank Type MDG 22

Wide neck container, HDPE plastic 0.5 l, for use with MDG 2

Wide neck container, HDPE plastic 1.0 l, for use with MDG 3



Pressure tank fitting for solvent-based materials

Fitting for simple marking systems



Popular paint drum sizes

Wide neck containers for transport and storage, chemical-resistant

AFR 030 10 005

AFR 030 10 010

# Complete Marking Systems



## Possible uses:

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

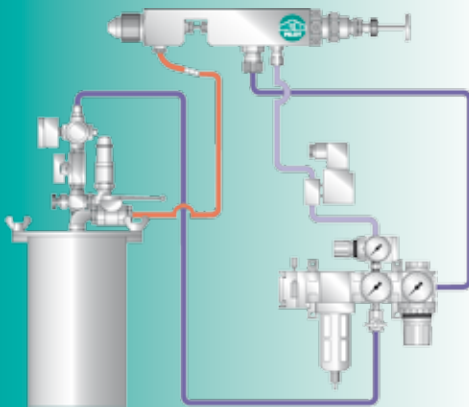


## Mini spray system for non-contact paint marking

consisting of:

- Spray gun PILOT Signier with miniature pressure tank (tank capacity: 45 ml)
- Mounting for spray gun
- Solenoid valve
- Special fitting for compressed air regulation with all available connections for spray guns and pressure tanks

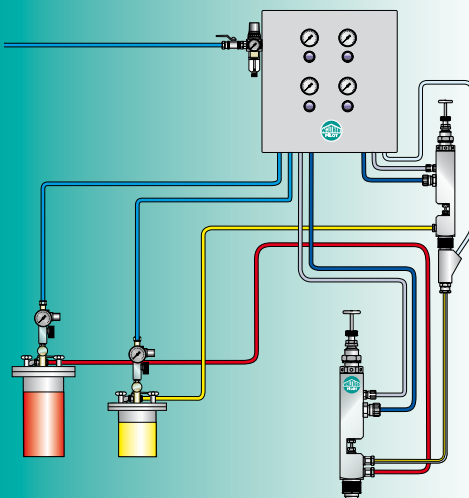
This system is particularly suitable for applications using small quantities of material (e.g. defect marking)



## Connection diagram of a spraying system for non-contact paint marking

- Spray gun PILOT Signier
- Filter/compressed air regulator Type A, see p. 36
- Solenoid valve to control the spray gun action
- Hoses for material as well as compressed air for spray gun and pressure tank
- Pressure tank MDG 1 - 4 or LDG 5 - 20, see p. 38 - 49
- Agitator Type 46-200 to prevent material sedimentation
- Level indicator, see p. 45

This system is recommended when using large amounts of paint (e.g. "OK/not OK" marking)








## Connection diagram of a spraying system with automatic nozzle and air cap cleaning

The use of quick-drying media in particular can lead to material sedimentation in the spray gun and therefore 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, which mixes air and solvent in a way that guarantees highly efficient cleaning and low consumption simultaneously. This flushing application ensures a secure and reliable process and the greatest possible repeat accuracy when marking.

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



# Non-contact Marking Systems

Pressure system	Single Pneumatic System	PILOT Pneumatic Block	PILOT Electromagnetic block	PILOT HRI High Resolution	Continuous Inkjet Dot Matrix
					
Marking height	3 - 30 mm	40 - 200 mm	40 - 200 mm	17 - 70 mm	2 - 14 mm
Printing speed	Up to 180 m/min	Up to 54 m/min	Up to 78 m/min	Up to 40 m/min	Up to 210 m/min
For marking surfaces	Porous and non-porous	Porous and non-porous	Porous and non-porous	Porous and non-porous	Porous and non-porous
Barcodes and data matrix	No	No	No	Yes	Yes
Logos	No	No	No	Yes	Yes
Typical industries	Drinks, foodstuffs, electronics, car suppliers	Steel, tubing and sheet metal manufacture	Steel, tubing and sheet metal industry	Packaging	Drinks, foodstuffs, electronics, cars
Electronics, car suppliers	OK/not OK marking as quality control, marking the quality of identical parts, marking to facilitate fitting/installation	Quality control, marking steel plates, coils and containers with batch numbers	Marking steel plates, coils and containers with batch numbers	Marking wholesale and cardboard packaging with batch numbers, production dates, warning labels, etc.	Marking cans, bottles, foils, metals, plastics with best before dates, batch numbers, etc.



## PILOT HRI

*High Resolution Inkjet Printer, specially developed for the highest industrial demands*

- Prints freely configurable texts mixed with bar codes and graphic images from the side or from above, on all absorbent surfaces like paper, cardboard, wood, etc.
- Trouble-free integration via USB and Ethernet interfaces into existing production processes (RF wireless optional) or with direct control (notebook) in stand-alone mode
- Easy care stainless steel housing with adjustable aluminum stand
- Integrated touchscreen for quick text changes and parameters
- Solvent-free inks
- For all non-absorbent surfaces e.g. metal, plastic, varnished cardboard packaging or glass, we offer the PILOT HRI-L

# Spray Guns for Solvent-Based Adhesives

PILOT III K –  
round-jet insert



PILOT III K –  
wide-jet insert



## Model

## Part No.

### PILOT III-K

Versatile spray gun for adhesive spraying jobs.  
PTFE-coated body for easy cleaning. Weight: 600 g.

Rotary-jet nozzle inserts:  
1.0 / 1.5 / 1.8 / 2.0 mm ø

With plastic gravity-feed cup 600 cc

With material connection 3/8"

With wide-jet nozzle insert (gravity-feed cup version – plastic cup)

With wide-jet nozzle insert (material connection version)

Also available with Wide-to-round-jet nozzle inserts

V 10 351 21 . . 3

V 10 352 21 . . 3

V 10 351 33 . . 3

V 10 352 33 . . 3

### PILOT Premium-K

Spray gun for all common adhesive spraying jobs.  
Galvanized aluminum gun body. All wetted parts: 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

With standard plastic gravity-feed cup 600 cc

With material connection 3/8"

V 10 715 04 . . 3

V 10 716 04 . . 3

PILOT  
Premium-K



### PILOT Maxi-K

Spray gun for all common adhesive spraying jobs  
PTFE-coated body for easy cleaning. 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

With asymmetrical plastic gravity-feed cup 450 cc

With material connection 3/8"

V 11 626 02 . . 3

V 11 618 02 . . 3

PILOT  
Maxi-K



### PILOT XIII-K

Heavy-duty spray gun. Weight: 760 g.

Rotary-jet nozzle inserts:  
0.5 / 0.8 / 1.0 / 1.5 / 1.8 / 2.0 / 2.5 / 3.0 / 3.5 mm ø

With plastic gravity-feed cup 600 cc

With material connection 3/8"

V 11 301 33 . . 3

V 11 302 33 . . 3

PILOT XIII



### PILOT Mini-K

Spray gun for all common adhesive spraying jobs.  
High-grade plastic gun body. Weight: 295 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

With plastic gravity-feed cup 125 cc

With material connection 3/8"

V 10 151 32 . . 3

V 10 152 34 . . 3

PILOT Mini-K



# Spray Guns for Solvent-Based Adhesives

## Model

## Part No.

### PILOT WA 703-K

Automatic spray gun series for nearly all adhesive-spraying jobs. Depending on the application, the guns are available with internal or external control. The front body and all wetted parts are made of stainless steel

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 703-K

Automatic spray gun with internal control.

### PILOT WA 713-U-K

Automatic spray gun with internal control for recirculation systems.

### PILOT WA 708-K

Automatic spray gun with external control.

### PILOT WA 718-U-K

Automatic spray gun with external control for recirculation systems.

### PILOT WA 870-K

Automatic spray gun with quick-change adapter plate.

### PILOT WA 871-U-K

Automatic spray gun with adapter plate, recirculation version.

### PILOT WA XV

Automatic spray gun with internal control.

Rotary-jet nozzle inserts:

1.0 / 1.5 / 1.8 / 2.0 mm ø

With wide-jet nozzle insert

With round-jet nozzle insert

Also available as recirculation model

### Rotary-jet nozzle inserts

Rotary-jet nozzle inserts are the best option for atomizing solvent-based adhesives. A large range of nozzles is available for every spray gun. Wide or round-jet systems can be used depending on the required jet width.

Standard air cap: wide-jet air cap.



PILOT WA 703



Mounting flange for  
PILOT WA 703



PILOT WA 870



PILOT WA XV



Rotary-jet nozzle  
– wide-jet head



Rotary-jet nozzle  
– round-head

V 20 703 02 . . 3

V 20 713 02 . . 3

V 20 708 02 . . 3

V 20 718 02 . . 3

V 20 870 02 . . 3

V 20 871 02 . . 3

V 20 662 33 . . 3

V 20 662 21 . . 3

## Adhesive Spraying (Lines and Dots)

### PILOT Signier

Fully automatic spray gun with internal control for material-saving adhesive spraying jobs. 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

Recirculation version

With wide-jet nozzle insert

With flushing function to clean nozzle/air cap



PILOT Signier



PILOT Signier, flushable, for jobs  
with frequent spray interruptions

V 20 360 51 . . 3

V 20 361 51 . . 3

V 20 360 02 . . 3

V 20 363 51 . . 3

# Spray Guns for Dispersion Adhesives



PILOT Premium-ND-K



## Model

## Part No.

### PILOT Premium-ND-K

HVLP spray gun for low-viscosity dispersion adhesives.  
Gun body: galvanized aluminum.  
All wetted parts: 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

With standard plastic gravity-feed cup 600 cc

With material connection 3/8"

V 10 711 04 . . 3

V 10 712 04 . . 3



PILOT Maxi-ND-K



### PILOT Maxi-ND-K

HVLP spray gun for low-viscosity dispersion adhesives.  
PTFE-coated gun body for easy cleaning.  
All wetted parts: 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

With asymmetrical plastic gravity-feed cup 450 cc

With material connection 3/8"

V 11 623 03 . . 3

V 11 620 02 . . 3



PILOT XIII-ND



### PILOT XIII-ND

Heavy-duty HVLP spray gun.  
All wetted parts: stainless steel. Weight: 760 g.

#### Wide-to-round-jet nozzle inserts:

0,5 / 0,8 / 1,0 / 1,2 / 1,5 / 1,8 / 2,0 / 2,5 / 3,0 mm ø

With plastic gravity-feed cup 600 cc

With material connection 3/8"

V 11 331 03 . . 3

V 11 332 03 . . 3



PILOT WA 723

### PILOT WA 723-ND-K

Automatic HVLP spray gun series  
for low-viscosity dispersion adhesives.  
Front body and all wetted parts: stainless steel.

#### 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

### PILOT WA 723-ND-K

Automatic spray gun with internal control

V 20 723 03 . . 3

### PILOT WA 733-ND-K

Automatic spray gun with internal control for recirculation systems

V 20 733 02 . . 3

### PILOT WA 728-ND-K

Automatic spray gun with external control

V 20 728 03 . . 3

### PILOT WA 738-ND-K

Automatic spray gun with external control for recirculation systems

V 20 738 02 . . 3

### PILOT WA 872-ND-K

HVLP automatic spray gun with quick-change adapter plate

V 20 872 02 . . 3

### PILOT WA 873-ND-U-K

HVLP automatic spray gun with quick-change adapter plate

V 20 873 02 . . 3



Mounting flange for  
PILOT WA 723



PILOT WA 872



# Spray Guns for 2-Component Dispersion Adhesives

## Model

## Part No.

### PILOT III-2K

Spray gun for 2-component dispersion adhesives.  
PTFE-coated gun body for easy cleaning.

Rotary-jet nozzle for component A:  
0.8 / 1.0 / 1.2 mm ø

Nozzle bore for component B:  
0.3 / 0.4 / 0.5 mm ø

### PILOT WA 560 2-K

Automatic spray gun for 2-component dispersion adhesives.  
Mixing takes place in the spray jet.

V 24 531 21 . . 3

V 24 560 05 . . 3



PILOT III-2K



PILOT WA 560 2-K

## Extrusion Spray Guns

### PILOT Vario Extrusion Spray Gun

Particularly suitable for the application of PVA glue,  
putty and other paste-like media.  
All wetted parts: stainless steel. Max. material pressure: 8 bar.

Nozzle sizes:  
1.0 / 1.5 / 2.0 / 2.5 / 3.0 mm ø

### PILOT Extrusion Spray Gun

With tapered nozzle, max. operating pressure 350 bar.  
(Old Part No.: G6748106000)

As above, but with PTFE-coated gun body

### PILOT WA 95

Automatic extrusion spray gun.  
Max. material pressure: 50 bar.

### PILOT WA 96

Automatic extrusion spray 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

For the application of media with brushes.  
Material supply: material pressure tank/pump, max. 8 bar.

With brush 11 mm  
With brush 15 mm  
With brush 16 mm  
With brush 20 mm  
With brush 40 mm

### PILOT WG

With 150 mm nozzle pipe and slotted nozzle.  
As above, but with round nozzle.

V 10 252 00 . . 3

V 10 250 00 000

V 10 250 40 000

V 20 395 00 . . 3

V 20 396 00 . . 3

V 24 630 00 011

V 24 630 00 015

V 24 630 00 016

V 24 630 00 020

V 24 630 00 040

V 24 620 15 1 . .

V 24 620 15 0 . .



PILOT Vario  
Extrusion Spray Gun



PILOT  
Extrusion Spray Gun



PILOT WA 95



PILOT WA 96



PILOT Pinsel



PILOT WG

# Adhesive-Spraying Systems with Pressure Tanks



## Spraying systems for solvent-based adhesives

### PILOT Klebond L

Consisting of:

- Material pressure tank type MDG 22, galvanized, without agitator, for drums up to 15 liters
- Spray gun PILOT III K
- Compressed air inlet fitting with additional compressed air reduction valve for the spray gun
- 5 m hose set

As above, but with MDG 45, galvanized, 4 bar, without agitator, for drums up to 30 liters, also available with trolley for MDG.



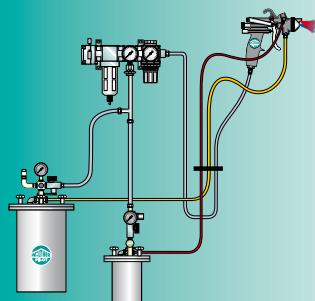
## Spraying Systems for Dispersion Adhesives

### PILOT Klebond D

Consisting of:

- Material pressure tank type MDG 22, stainless steel, without agitator, for drums up to 15 liters
- HVLP adhesive spray gun PILOT XIII-ND, PILOT Maxi-ND or PILOT Premium-ND
- Compressed air inlet fitting with additional compressed air reduction valve for the spray gun
- Additional micrometer for fine adjustment of compressed air
- 5 m hose set

As above, but with MDG 45, stainless steel, 4 bar, without agitator, for drums up to 30 liters, also available with trolley for MDG tank.



## Spraying Systems for 2-Component Adhesives

### PILOT Klebond 2-K

Consisting of:

- Material pressure tank Type MDG 22, stainless steel, without agitator, for drums up to 15 liters, for component A
- Material pressure tank MDG 4, stainless steel, for component B
- Spray gun PILOT III 2-K
- Filter/compressed air regulator Type H2
- Hose set

Special system configurations available on request.



### PILOT Klebond 2-K (small model)

for working with small material quantities, comprised of:

- Material pressure container Type MDG 2, stainless steel, for component A
- Material pressure container MDG 1, stainless steel, for component B
- Spray gun PILOT III 2-K
- 3 m hose set
- Transport trolley

Part No.: V 44 600 10 203



## Adhesive-spraying system for PVA glue

Consisting of:

- Spray gun PILOT Premium Extrusion
- Stainless steel pressure tank Type LDG 10
- Inliner (5 piece)
- Hose set with all connections

# Adhesive-Spraying Systems with Pumps

## Adhesive-spraying system for use with 200 liter tanks, with piston pump

Comprised of:

- Manual or automatic spray guns (e.g. PILOT III K or PILOT WA XV)
- 'Vesir' pump with compressed air reduction valve, see p. 51
- Hose set with all connections

## Adhesive-spraying system for laminating adhesives (polyurethane materials), with diaphragm pump

The system is particularly suited for use with water-borne laminating adhesives. Wetted parts: stainless steel and plastic.

Comprised of:

- Manual or automatic spray guns (HVLP models)
- Diaphragm pump type MBP 8034 made of Ryton®, see p. 50
- Pulsation dampener
- Filter/compressed air regulator Type A
- Hose set

## Supply system for high-viscosity media, double-cylinder RAM unit

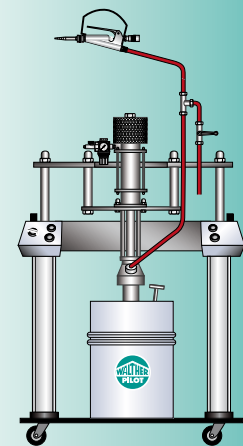
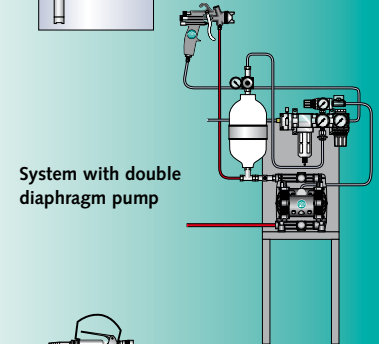
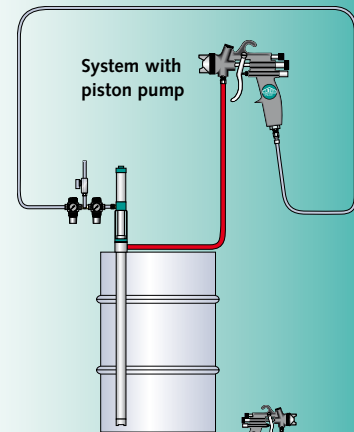
WALTHER PILOT supplies systems for emptying drums, 200 liter barrels or other containers.

Can be used with:

- Raw materials for producing adhesives and sealing agents
- Adhesives, sealing agents and other viscous media

The high-performance pumps are suitable for use with many materials, including silicone, mastic, urethane and butyls.

Custom-built system configurations available on request



System with piston pump and double-cylinder RAM unit

Adhesive application systems

# Spraying Systems with Material Heating

## PILOT IV HW

Hot wax spraying system. The wax is gently warmed in the cup and then applied at low pressure. Low overspray and high transfer efficiency.

Part No: V 87 960 00 000



## 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.

Airtherm atomizing air heating

Part No: V 87 980 00 000

With explosion protection

Part No: V 87 981 00 000

With explosion protection and PILOT Maxi-ND (gravity-feed cup version) Part No: V 87 981 11 633

Optional accessories: double ball joint for more freedom of movement Part No: V 00 001 04 000



PILOT AIRTHERM

# Nozzle Extensions

The new generation of nozzle extensions is based on a modular system. All parts can be screwed together. The modular system allows custom-built configurations for different usage requirements. Wetted parts: stainless steel. Standard hose lengths: 100 - 1000 mm. Other lengths available on request.

Special brochure available on request or as a download.

## With round-jet head

DV 10 – sprays straight ahead  
Nozzle sizes from 0.3 mm - 2.5 mm  $\varnothing$

min. inlet opening:  $\varnothing$  19 mm

DV 20 – sprays sideways 45°  
Nozzle sizes from 0.3 mm - 2.5 mm  $\varnothing$

min. inlet opening:  $\varnothing$  19 mm

## With round-jet head

DV 60 – sprays sideways 45°  
Nozzle sizes from 0.2 mm - 1.5 mm  $\varnothing$

min. inlet opening:  $\varnothing$  36 mm

DV 70 – sprays sideways 90°  
Nozzle sizes from 0.2 mm - 1.5 mm  $\varnothing$

min. inlet opening:  $\varnothing$  48 mm

## With round-to-wide-jet head

DV 30 – sprays straight ahead  
Nozzle sizes from 0.3 mm - 2.2 mm  $\varnothing$

min. inlet opening:  $\varnothing$  34 mm

## With round-to-wide-jet head

DV 40 – sprays sideways 45°  
Nozzle sizes from 0.3 mm - 2.2 mm  $\varnothing$

min. inlet opening:  $\varnothing$  52 mm

DV 50 – sprays sideways 90°  
Nozzle sizes from 0.3 mm - 2.2 mm  $\varnothing$

min. inlet opening:  $\varnothing$  47 mm

## With disc nozzle

DV 80 – internal mixing system 360°  
Nozzle size 1.5 mm  $\varnothing$

min. inlet opening:  $\varnothing$  19 mm

(only suitable for spray guns with paint connection)

## With disc nozzle

DV 90 – internal mixing system 360°  
Nozzle size 1.0 mm and 1.5 mm  $\varnothing$

min. inlet opening:  $\varnothing$  18 mm

(only suitable for spray guns with paint connection)

## The Pipe Crawler

The best option for internally coating longer pipes is the 'Pipe Crawler', i.e. the PILOT WA 80 automatic spray gun, whose connections are laid out axially, so that it can be drawn through the pipe on a special carriage, enabling 360° circular spraying.



PILOT WA 80 – automatic spray gun for internal spraying (see p.16)





## Model

## Part No.

Nozzles extensions are available for the following manual spray guns:

PILOT Maxi

PILOT Mini

PILOT III F

PILOT XIII

PILOT Premium (available soon)

Spray guns equipped with a gravity-feed cup can also be used with nozzle extensions. Depending on the spraying medium, pipe lengths of up to max. 400 mm are possible. The DV 80 and DV 90 extensions are not suitable for gravity-feed cup spray guns.

Nozzles extensions are available for the following automatic spray guns:

PILOT WA 100

PILOT WA 400

PILOT WA 500

PILOT WA 600

PILOT WA 700

PILOT WA 800

PILOT WA XV

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

V 88 600 . . . . .

V 88 150 . . . . .

V 88 300 . . . . .

V 88 113 . . . . .

V 88 310 . . . . .

V 88 540 . . . . .

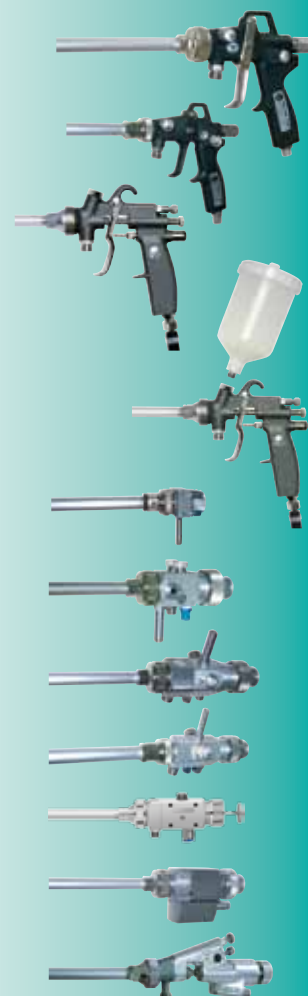
V 88 500 . . . . .

V 88 610 . . . . .

V 88 703 . . . . .

V 88 800 . . . . .

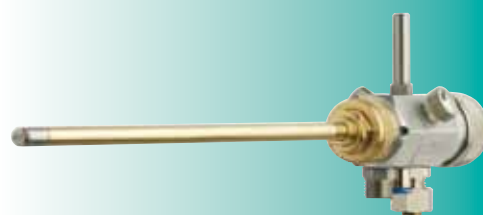
V 88 660 . . . . .



Spray gun accessories

## Extensions with an outer diameter of only 8 mm

Special extensions for coating particularly difficult to reach places (similar to DV 10, DV 20 and DV 90, 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.



## Material transfer advice

Fine atomization and good spray results are best achieved by using pressure tanks or pump systems.

## Older-type extensions

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



# Nozzle Inserts: Manual Spray Guns

Comprised of:

- air cap
- material nozzle
- material needle



Blank space in Part No.  
e.g.: V 15 001 51 . . 3



Please insert the required  
nozzle size here.

For Spray Gun	Version	Part No.
PILOT I	Round-jet nozzle insert	V 15 001 51 . . 3
	Wide-jet nozzle insert	V 15 001 01 . . 3
PILOT II	Round-jet nozzle insert	V 15 002 51 . . 3
PILOT III-F PILOT III-F	Wide-to-round-jet nozzle insert	V 15 003 02 . . 3
	Dividing line nozzle insert	V 15 003 61 . . 2
PILOT III-F-MD	Wide-to-round-jet nozzle insert	V 15 003 05 . . 3
PILOT III-K	Rotary-jet nozzle insert with wide-jet head	V 15 023 33 . . 3
	Rotary-jet nozzle insert	V 15 023 21 . . 3
	Wide-to-round-jet nozzle insert	V 15 023 03 . . 3
PILOT IV + IV GM	Wide-to-round-jet nozzle insert	V 15 004 02 . . 3
PILOT IV-EM	Round jet nozzle insert	V 15 044 51 . . 3
	Rotary jet nozzle insert	V 15 044 21 . . 3
PILOT XIII PILOT XIII-N	Wide-to-round-jet nozzle insert	V 15 013 03 . . 3
	Wide-to-round-jet nozzle insert	V 15 014 03 . . 3
PILOT Trend (gravity-feed cup)	Wide-to-round-jet nozzle insert	V 15 060 03 . . 3
PILOT Trend-MD (gravity-feed cup)	Wide-to-round-jet nozzle insert	V 15 061 04 . . 3
PILOT Trend (material connection)	Wide-to-round-jet nozzle insert	V 15 062 03 . . 3
PILOT Trend-MD (material connection)	Wide-to-round-jet nozzle insert	V 15 063 04 . . 3
PILOT Misch-N	Wide-to-round-jet nozzle insert	V 15 019 02 . . 3
PILOT Mini (gravity-feed cup) PILOT Mini (material connection) PILOT Mini-MD (gravity-feed cup) PILOT Mini-MD (material connection)	Wide-to-round-jet nozzle insert	V 15 098 NA . . 3
	Wide-to-round-jet nozzle insert	V 15 152 NA . . 3
	Wide-to-round-jet nozzle insert	V 15 141 NA . . 3
	Wide-to-round-jet nozzle insert	V 15 142 NA . . 3
PILOT Maxi (gravity-feed cup) PILOT Maxi(material connection) PILOT Maxi-ND (gravity-feed cup) PILOT Maxi-ND (material connection) PILOT Maxi-MD (gravity-feed cup) PILOT Maxi-MD (material connection)	Wide-to-round-jet nozzle insert	V 15 613 03 . . 3
	Wide-to-round-jet nozzle insert	V 15 614 03 . . 3
	Wide-to-round-jet nozzle insert	V 15 633 04 . . 3
	Wide-to-round-jet nozzle insert	V 15 634 04 . . 3
	Wide-to-round-jet nozzle insert	V 15 615 04 . . 3
	Wide-to-round-jet nozzle insert	V 15 616 04 . . 3
PILOT Premium (gravity-feed cup) PILOT Premium (material connection) PILOT Premium-ND (gravity-feed cup) PILOT Premium-ND (material connection) PILOT Premium-HVLP <sup>Plus</sup> (gravity-feed cup) PILOT Premium-HVLP <sup>Plus</sup> (material connection)	Wide-to-round-jet nozzle insert	V 15 107 01 . . 3
	Wide-to-round-jet nozzle insert	V 15 107 02 . . 3
	Wide-to-round-jet nozzle insert	V 15 107 05 . . 3
	Wide-to-round-jet nozzle insert	V 15 107 06 . . 3
	Wide-to-round-jet nozzle insert	V 15 107 03 . . 3
	Wide-to-round-jet nozzle insert	V 15 107 04 . . 3

# Nozzle Inserts: Automatic Spray Guns

## Wide-to-round-jet nozzle inserts

For model	Part No.
WA 100 WA 100-MD	V 15 310 02 . . 3 V 15 313 04 . . 3
WA 400-HD, 410, 450 WA 420-ND, 430-ND, 452-ND WA 425-MD, 435-MD	V 15 400 06 . . 3 V 15 420 03 . . 3 V 15 550 04 . . 3
WA 500, 510 WA 520-ND, 530-ND WA 525-MD, 535-MD	V 15 500 06 . . 3 V 15 520 03 . . 3 V 15 503 04 . . 3
WA 600, 610 WA 625-MD, 635-MD	V 15 600 02 . . 3 V 15 607 04 . . 3
WA 700 / 705 / 710 / 715 WA 720 / 725 / 730 / 735-ND WA 740 / 745 / 750 / 755-HVLP <sup>Plus</sup>	V 15 207 00 . . 3 V 15 207 20 . . 3 V 15 207 40 . . 3
WA 800 / 805 / 810 / 815 WA 820 / 825 / 830 / 835-ND WA 840 / 845 / 850 / 855-MD	V 15 800 06 . . 3 V 15 820 03 . . 3 V 15 840 04 . . 3
WA XV As above, in pullbar version WA XV-ND	V 15 115 03 . . 3 V 15 116 03 . . 3 V 15 117 03 . . 3

## Round-jet nozzle inserts

For model	Part No.
PILOT WA 50	V 15 305 51 . . 3
PILOT Signier PILOT Signier-Membrane	V 15 120 51 . . 3 V 15 357 51 . . 3
PILOT WA 200	V 15 330 51 . . 3
Wide-jet nozzle inserts For model	Part No.
PILOT WA 50	V 15 305 02 . . 3
PILOT Signier PILOT Signier-Membrane	V 15 120 02 . . 3 V 15 357 02 . . 3
PILOT WA 200	V 15 330 02 . . 3

# Repair Sets: Manual and Automatic Spray Guns

PILOT I PILOT II	V 16 001 51 . . 3 V 16 002 51 . . 3
PILOT III F PILOT III F-MD PILOT III K PILOT III 2-K	V 16 003 02 . . 3 V 16 003 05 . . 3 V 16 023 33 . . 3 V 16 024 00 . . 3
PILOT Trend (gravity-feed cup) PILOT Trend-MD (gravity-feed cup) PILOT Trend (material connection) PILOT Trend-MD(material connection)	V 16 060 03 . . 3 V 16 061 04 . . 3 V 16 062 03 . . 3 V 16 063 04 . . 3
PILOT Mini (gravity-feed cup) PILOT Mini (material connection) PILOT Mini-MD (gravity-feed cup) PILOT Mini-MD (material connection)	V 16 098 NA . . 3 V 16 152 NA . . 3 V 16 141 NA . . 3 V 16 142 NA . . 3
PILOT IV/IV GM	V 16 004 02 . . 3
PILOT XIII PILOT XIII-N	V 16 013 03 . . 3 V 16 014 03 . . 3
PILOT Maxi (gravity-feed cup) PILOT Maxi (material connection) PILOT Maxi-ND (gravity-feed cup) PILOT Maxi-ND (material connection) PILOT Maxi-MD (gravity-feed cup) PILOT Maxi-MD (material connection)	V 16 613 03 . . 3 V 16 614 03 . . 3 V 16 633 04 . . 3 V 16 634 04 . . 3 V 16 615 04 . . 3 V 16 616 04 . . 3
PILOT Premium (gravity-feed cup) PILOT Premium (material connection) PILOT Premium-ND (gravity-feed cup) PILOT Premium-ND (material connection) PILOT Premium-HVLP <sup>Plus</sup> (cup) PILOT Premium-HVLP <sup>Plus</sup> (material connection)	V 16 107 01 . . 3 V 16 107 02 . . 3 V 16 107 05 . . 3 V 16 107 06 . . 3 V 16 107 03 . . 3 V 16 107 04 . . 3

PILOT WA XV PILOT WA XV (pullbar version) PILOT WA XV-ND	V 16 115 03 . . 3 V 16 116 03 . . 3 V 16 117 03 . . 3
PILOT WA 30	V 16 130 00 010
PILOT WA 100 PILOT WA 100-MD	V 16 310 00 . . 3 V 16 313 04 . . 3
PILOT WA 400/410 PILOT WA 450 PILOT WA 420/430 PILOT WA 452 PILOT WA 425/435	V 16 400 06 . . 3 V 16 545 06 . . 3 V 16 420 03 . . 3 V 16 547 03 . . 3 V 16 550 04 . . 3
PILOT WA 500/510 PILOT WA 520/530 PILOT WA 525/535 PILOT WA 515 (diaphragm)	V 16 500 06 . . 3 V 16 520 03 . . 3 V 16 503 04 . . 3 V 16 515 02 . . 3
PILOT WA 600/610 PILOT WA 625/635	V 16 600 02 . . 3 V 16 607 04 . . 3
PILOT WA 700/710 PILOT WA 720/730 PILOT WA 740/750	V 16 207 00 . . 3 V 16 207 20 . . 3 V 16 207 40 . . 3
PILOT WA 800/810 PILOT WA 820/830 PILOT WA 840/850	V 16 800 06 . . 3 V 16 820 03 . . 3 V 16 840 04 . . 3
PILOT Signier with round-jet head PILOT Signier with wide-jet head PILOT Signier Diaphragm	V 16 120 51 . . 3 V 16 120 02 . . 3 V 16 357 00 000
PILOT WA 200	V 16 330 51 . . 3

# Cup Systems, etc.



'Super cup' with full-surface filter insert



Standard plastic gravity-feed cup



125 cc gravity-feed cup



Asymmetrical gravity-feed cup



Aluminum gravity-feed cups



Pressurized gravity feed cup



125 cc siphon feed cup



Siphon feed cup



Suspended pressure feed cup



5 l material feed container

## Model

## Part No.

### Cup Systems

'Super Cup' plastic gravity-feed cup for PILOT Premium consisting of cup 600 cc and full-surface filter insert

V 00 130 00 060

Standard plastic gravity-feed cup 600 cc for the adhesive spray gun version of the PILOT Premium – without filter insert

V 00 130 00 070

Standard plastic gravity-feed cup 600 cc with adapter for PILOT manual spray guns – without filter (except for PILOT Premium)

V 00 130 00 072

Cup filter 149  $\mu$  (100 Mesh) for standard plastic gravity-feed cup

V 00 130 00 064

Cup filter 65  $\mu$  (225 Mesh) for standard plastic gravity-feed cup

V 00 130 00 074

Plug-in filter for standard plastic gravity-feed cup

V 00 150 05 100

Plastic gravity-feed cup 125 cc with filter (Standard for PILOT Mini)

V 00 130 00 200

Filter for plastic gravity-feed cup 125 cc (200 Mesh)

V 00 130 00 140

Asymmetrical gravity-feed cup 450 cc with drip stop (standard for PILOT Maxi)

V 00 150 00 000

Plug-in filter for asymmetrical gravity-feed cup

V 00 150 05 000

Drip stop for plastic gravity-feed cup

V 00 150 04 000

Cup filter

V 94 210 66 001

Light alloy gravity-feed cups:

- 50 ccm (Size 0)
- 100 ccm (Size 1)
- 250 ccm (Size 2)
- 350 ccm (Size 3)
- 450 ccm (Size 4)
- 750 ccm (Size 5)

V 00 130 00 000

V 00 130 00 010

V 00 130 00 020

V 00 130 00 030

V 00 130 00 040

V 00 130 00 050

Light alloy pressurized gravity-feed cup 450 cc

V 00 138 00 000

Siphon-feed cup, complete, 125 cc, 1/4", light alloy

V 11 352 75 000

Siphon-feed cup, complete, 600 cc, 1/4", light alloy

V 11 352 00 600

Siphon-feed cup, complete, 1.000 cc, 3/8", light alloy (not shown)

V 11 354 00 000

Suspended pressure feed cup 800 cc, light alloy (For use with HVLP spray guns)

V 11 352 70 000

Material feed container, volume 5 l, stainless steel

V 50 310 00 003

Material feed container, volume 20 l, stainless steel

V 50 330 00 003

Folding filter with nylon fabric insert, mesh 0.21 mm, pack of 125 filters (not shown)

AFR 030 40 300



## Model

## Part No.

### PPS Coating System

*For frequent paint changes and difficult jobs in awkward locations.*

#### Starter-Kit PPS Coating System

- 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

- 60 cups with covers
- 1 stainless steel adapter
- 60 filter inserts, as required

**All parts available individually**

### Mixing Cup System

*Economical refillable disposable cups save cleaning time.  
Available in three different sizes: 450 ml, 920 ml or 1,850 ml.*

#### Quantities:

- External containers (6 pieces)
- Mixing cup inserts (100 pieces)
- Cover for mixing cup (50 pieces)

**All parts available individually**

### Quicky-Cup for PILOT Premium

*Mixing and gravity-feed cup in one, incl. 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)**

AFR 030 40 420

AFR 030 40 40X

AFR 030 40 620

AFR 030 40 60X

AFR 030 40 31X

AFR 030 40 652

AFR 030 40 651



Easy-line cup system



Mixing cup system



Quicky-Cup

## Cleaning Sets for Spray Guns etc.

**For airless spray guns** (please indicate required nozzle size).

#### Comprised of:

- 2 nylon brushes
- nylon brush with fine brush
- 12 cleaning needles

**For air atomizing spray guns.**

#### Comprised of:

- 2 nylon brushes
- nylon brush with fine brush
- brush for nozzle and air cap

**Spray gun key**

**Spray gun holder for spray guns with gravity-feed cup**

**Spray gun lube 5 g**

AFR 030 40 20X

AFR 030 40 200

V 05 100 01 000

W 15 000 00 033

V 00 000 00 001



Spray gun lube

# Hoses and Hose Accessories

## Hoses/Hose accessories for air spraying systems

When attaching an atomizing spray gun to the hose (please indicate length, if not provided) you will need the hose clip, the hose connection and the swivel nut. Hose connections and swivel nuts for attaching to air hoses are included in the delivery of all common WALTHER PILOT spray guns. For sprays 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 internal mesh.



### Model

### Part No.

#### Air Hoses

Standard pressure air hose (black) inner ø 8 mm, outer ø 14 mm, electroconductive, per meter

Hose connection 8 mm brass

Swivel nut 1/4" nickel-plated brass

Hose clip 13/15

V 20 008 30 144

V 00 101 02 000

V 00 101 03 000

V 70 131 50 000

Blue PU air hose (quick-fit connector) inner ø 6 mm, per meter

Blue PU air hose (quick-fit connector) inner ø 4 mm, per meter

Blue PU air hose (quick-fit connector) inner ø 3 mm, per meter

V 66 100 09 159

V 66 100 06 204

V 66 100 05 732

#### Material Hoses

Standard material hose, green, inner ø 8 mm, outer ø 11.5 mm

Hose connection 8 mm brass

Hose connection 8 mm stainless steel

Swivel nut 3/8" nickel-plated brass

Hose clip 13/15

V 20 009 35 644

V 00 101 81 094

V 00 101 81 093

V 00 101 12 005

V 70 151 80 000

Material hose, FEP, inner ø 8 mm, outer ø 12 mm

Hose connection 8 mm brass

Hose connection 8 mm stainless steel

Swivel nut 3/8" nickel-plated brass

Hose clip 13/15

V 20 008 32 100

V 00 101 81 094

V 00 101 81 093

V 00 101 12 005

V 70 151 80 000

Material hose, FEP, inner ø 6 mm, outer ø 12.4 mm

Hose connection 6 mm brass

Hose connection 6 mm stainless steel

Swivel nut 3/8" nickel-plated brass

Hose clip 11/13

V 20 006 32 100

V 00 101 88 004

V 00 101 88 003

V 00 101 12 005

V 70 111 30 000

Material hose, Synflex, inner ø 8 mm, outer ø 10 mm (particularly for automatic applications)

Hose connection 8 mm brass

Hose connection 8 mm stainless steel

Swivel nut 3/8" nickel-plated brass

Hose clip 9/11

V 08 041 00 010

V 00 101 81 094

V 00 101 81 093

V 00 101 12 005

V 70 091 10 000

Air hoses

Material hoses

## Model

## Part No.

### Material Hoses for Dispersion Adhesives

PVC material hose, inner ø 13 mm, outer ø 20 mm

Stainless steel hose connection with swivel nut 1/2"

Hose clip 17/20

V 20 013 35 004

D 49 130 013 13

V 70 172 00 000



Hoses for dispersion adhesives

PVC material hose, inner ø 10 mm, outer ø 15 mm

Stainless steel hose connection 11 mm

Swivel nut 3/8" nickel-plated brass

Hose clip 15/18

V 20 010 30 004

V 00 101 11 003

V 00 101 12 005

V 70 151 80 000



Nylon high pressure material hoses with steel mesh reinforcement

### Hoses for Airless/AirCoat

High-pressure hoses are needed for these spray guns.

The hoses are pressed; lengths as required.

Nylon hoses, inner ø 3 mm - ø 12,7 mm

(up to max. 465 bar)

PTFE hoses, inner ø 6 mm - ø 9 mm

(up to max. 240 bar)

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

on request

on request



PTFE high pressure material hoses with steel mesh reinforcement



Spray gun accessories

### Material Hose Cleaning Units

The hoses are cleaned with a solvent-air mixture.

Tank capacity: 2 liters

Advantage: less solvent needed

V 40 300 100 03



Material hose cleaning unit

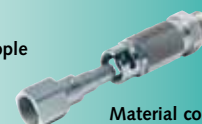
Nipple 3/8", steel, nickel-plated

Material coupling 3/8", steel, nickel-plated

V 71 030 05 138

V 71 030 05 000

Nipple



Material coupling

### 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

V 10 107 10 000

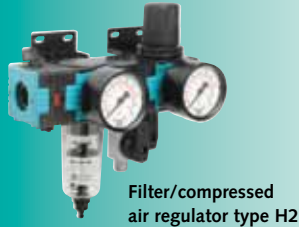
V 11 407 00 000

V 10 307 10 000

V 11 307 00 000



# Compressed Air Accessories



## Model

## Part No.

### Air filter/pressure control units

#### Filter/compressed air regulator type A

2 regulated connections, 1 unregulated connection  
(for automatic spray gun, pressure tank or pump)

V 35 475 000 00

#### Filter/compressed air regulator type A, marking version

2 regulated connections, 1 unregulated connection  
(for automatic spray gun, pressure tank or pump)

V 35 475 000 01

#### Air filter/pressure control unit type H2

1 regulated, 1 unregulated connection  
(for manual spray gun, pressure tank or pump)

V 35 475 000 10

#### Air filter/pressure control unit type H1

1 regulated connection  
(for manual spray gun with cup)

V 35 475 000 20

### Double ball joint

*Comfortable working due to 3-dimensional mode of action. Maximum freedom of movement in all directions.*

*Light weight. Simple connection to spray gun and hose.*

V 00 001 04 000

### Couplings for compressed air

*Ideal where two or more spray guns are used and easy uncoupling is required. Matching couplings for different hose sizes, available in steel or brass. Couplings are pivot joints. Special couplings with ball joint for particularly comfortable working.*

#### Pivot joint nipple 1/4"

V 00 001 02 005

#### Thread plug nipple 1/4" (rotatable and tiltable)

V 00 001 05 000

#### Compressed air micrometer – brass 1/4"

V 35 120 00 000

#### Compressed air micrometer – nickel-plated brass

V 35 120 10 000

#### Shut-off valve G 1/4" with external thread on both sides, nickel-plated brass (not shown)

V 03 200 20 000

### Compressed air hoses

Standard compressed air hose (black) 8 mm inner diameter, 14 mm outer diameter, electrically conductive, per meter

V 20 008 30 144

Hose fitting 8 mm brass

V 00 101 02 000

Union nut 1/4", nickel-plated brass

V 00 101 03 000

Hose clamp 13/15

V 70 131 50 000

Air hose blue PU (plug connection), 6 mm inner diameter, per meter

V 66 100 09 159

Air hose blue PU (plug connection), 4 mm inner diameter, per meter

V 66 100 06 204

Air hose blue PU (plug connection), 3 mm inner diameter, per meter

V 66 100 05 732



## Other Accessories

### Model

### Part No.

#### 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 diameter stainless steel

V 46 322 00 100

as above, but with swiveling and height-adjustable stand and base plate, shaft and stirrer: stainless steel, especially suitable for 30 l containers

V 46 322 00 200

as above, but with gear motor to achieve higher torque, output speed adjustable up to 200 rpm, with swiveling and height-adjustable stand, shaft and stirrer: stainless steel, especially suitable for 30 l containers

V 46 322 00 210

Air-powered agitator for use with small-size containers, 0.06 kW, max. 800 rpm, shaft and ring propeller stirrer: 70 mm diameter stainless steel, with height-adjustable stand

- with shaft 330 mm
- with shaft 440 mm
- with shaft 550 mm

V 46 060 00 000

V 46 060 00 002

V 46 060 00 001

HP air-powered agitator for use with small-size containers Type HP, 0.1 kW, 800 rpm.

- with height-adjustable stand, shaft 440 mm
- without stand, shaft 440 mm
- with height-adjustable stand, shaft 550 mm
- without stand, shaft 550 mm

V 46 504 44 013

V 46 504 44 003

V 46 504 55 013

V 46 504 55 003

#### PILOT color change system

modular design for any number of colors, with flushing valve, max. material pressure 220 bar

on request

#### Metering valve PILOT WA 30

aperture 5.0 mm, max. operating pressure 100 bar. as above, but made of stainless steel.

V 20 901 00 000

V 20 902 00 000

#### Miscellaneous parts

Flowcup DIN 53211/ISO 2421, 4 mm, with stand (not shown)

V 35 000 30 000

Flowcup 4 mm, handle length 105 mm

V 35 000 20 000

Flowcup 6 mm, handle length 105 mm

V 35 000 20 001

Funnel with strainer

V 33 999 00 000



Adjustable agitator

Adjustable agitator with stand



Agitator for use with small-size containers

HP agitator for use with small-size containers



Color change system for 2 colors with flushing valve



Funnel with strainer

Flow cup



# Material Pressure Tanks



WALTHER PILOT material pressure tanks meet the highest demands in terms of quality and product safety. The Pressure Equipment Directive 97/23/EC regulates the design, approval and use of pressure vessels and other pressure equipment in all member states of the EU. 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 quality norm EN 9001.

## Small Material Pressure Tanks

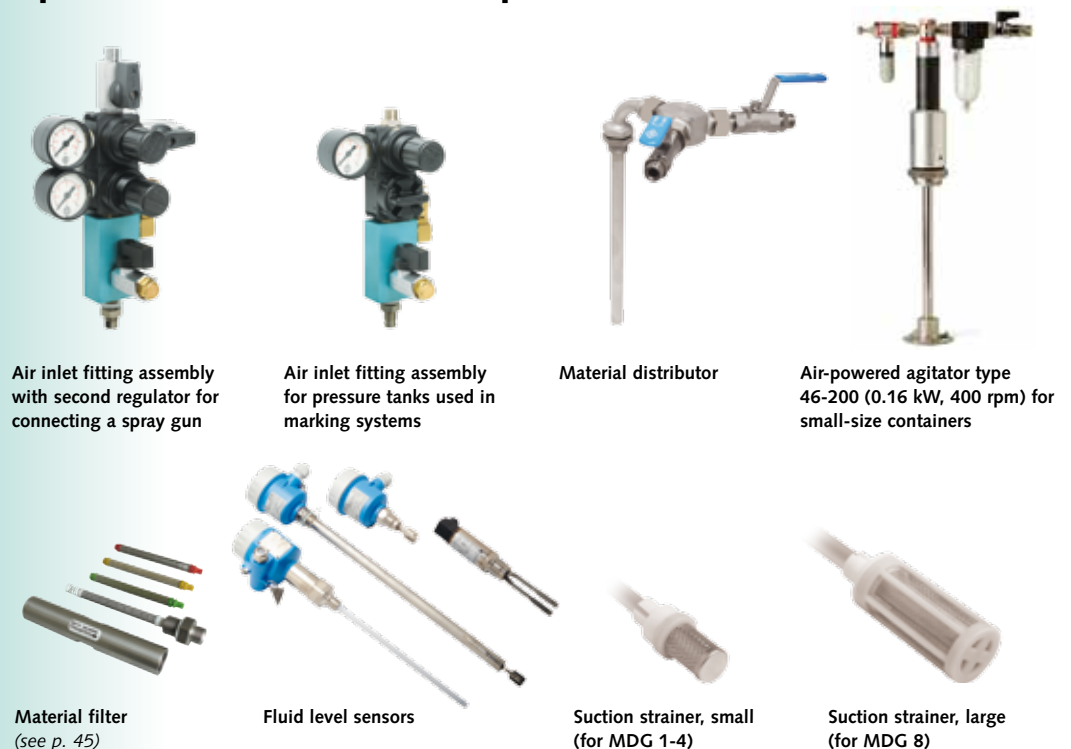


### Components of a small material pressure tank

- stainless steel container with lid
- wing screws or star grip screws
- air inlet fitting assembly complete with pressure regulator, pressure gauge, safety valve and venting
- Pipe to material outlet and material outlet ball valve



### Optional accessories for small pressure tanks MDG



## Small Material Pressure Tanks Stainless Steel

Type	Max. pressure	Capacity approx.	Version	Part No.
MDG 1	3 bar	1.1 liters	without agitator	V 40 121 30 013
MDG 1	6 bar	1.1 liters	without agitator	V 40 121 60 013
MDG 1	6 bar	1.1 liters	with air-powered agitator (0.16 kW, 400 rpm)	V 40 121 60 213
MDG 2	3 bar	1.8 liters	without agitator	V 44 021 30 013
MDG 2	3 bar	1.8 liters	with air-powered agitator (0.16 kW, 400 rpm)	V 40 021 30 213
MDG 2	6 bar	1.8 liters	without agitator	V 44 021 60 013
MDG 2	6 bar	1.8 liters	with air-powered agitator (0.16 kW, 400 rpm)	V 40 021 60 213
MDG 3	3 bar	2.5 liters	without agitator, suitable for use with 1 liter containers	V 44 131 30 013
MDG 3	3 bar	2.5 liters	with air-powered agitator (0.16 kW, 400 rpm)	V 44 131 30 213
MDG 3	6 bar	2.5 liters	without agitator	V 44 131 60 013
MDG 3	6 bar	2.5 liters	with air-powered agitator (0.16 kW, 400 rpm)	V 44 131 60 213
MDG 4	4 bar	3.1 liters	without agitator	V 40 251 40 013
MDG 4	4 bar	3.1 liters	with manual agitator	V 40 251 40 113
MDG 4	4 bar	3.1 liters	with air-powered agitator (0.16 kW, 400 rpm)	V 40 251 40 213
MDG 8	4 bar	6.4 liters	without agitator	V 44 211 40 013
MDG 8	4 bar	6.4 liters	with manual agitator	V 44 211 40 113
MDG 8	4 bar	6.4 liters	with air-powered agitator (0.36 kW, 200 rpm)	V 44 211 40 213
MDG 8	4 bar	6.4 liters	with electric agitator (0.12 kW, 60 rpm)	V 44 211 40 313

Higher pressure versions on request

## Small Material Pressure Tanks Galvanized

Type	Max. pressure	Capacity approx.	Version	Part No.
MDG 4	4 bar	3.1 liters	without agitator	V 40 251 40 012
	4 bar	3.1 liters	with manual agitator	V 40 251 40 112
	4 bar	3.1 liters	with air-powered agitator (0.16 kW, 400 rpm)	V 40 251 40 212
MDG 8	4 bar	6.4 liters	without agitator	V 44 211 40 012
	4 bar	6.4 liters	with manual agitator	V 44 211 40 112
	4 bar	6.4 liters	with air-powered agitator (0.36 kW, 200 rpm)	V 44 211 40 212
	4 bar	6.4 liters	with electric agitator (0.12 kW, 60 rpm)	V 44 211 40 312

Higher pressure versions on request



## Lightweight Material Pressure Tanks Stainless Steel

Type	Max. pressure	Capacity approx.	Version	Part No.
MDG 5	6 bar	5 liters	without agitator	V 55 801 21 013
MDG 10	6 bar	10 liters	without agitator	V 55 810 21 013
MDG 19	6 bar	19 liters	without agitator	V 55 821 21 013



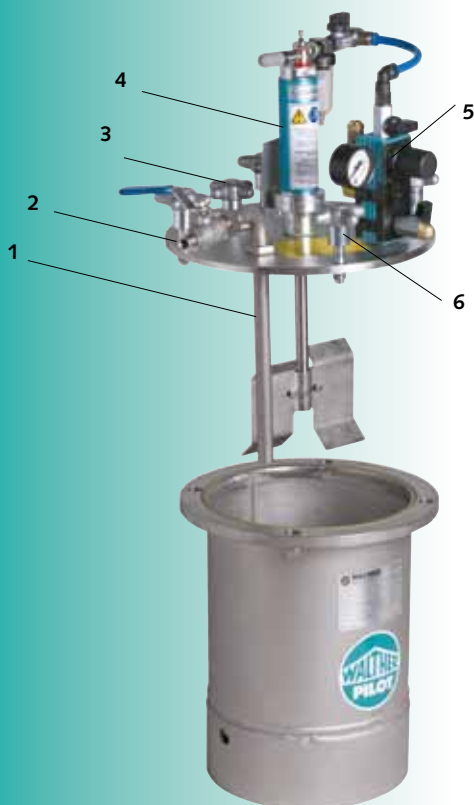
MDG 5

For use with low-viscosity material only (e.g. separating agents, oil, water, etc.)

# Standard Material Pressure Tanks

## Components of 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 complete with pressure regulator, pressure gauge, safety valve and venting
- 6 Star grip screws



MDG 12 with air-powered agitator



MDG 22



MDG 45

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



MDG 60 with electric agitator



MDG 250 with filling level sensor

## Optional accessories for standard material pressure tanks MDG



Air inlet fitting assembly complete with second or third regulator



Precision pressure regulator



Material distributor for connecting a second or third consumer unit



Manual agitator



Air-powered agitator



Electric agitator

Suction strainer (see p. 45)



Insert bucket (see p. 45)



Trolley (see p. 45)



Material filter (see p. 45)



Fluid level sensors



Pneumatic lift for tank covers (see p. 45, 48)



# Material Pressure Tanks Galvanized or Stainless Steel

Type	Max. pressure	Capacity ca.	Version	Part No. (galvanized)	Part No. (stainless steel)
MDG 12	6 bar	11.8 liters	without agitator	V 44 221 60 012	V 44 221 60 013
	6 bar	11.8 liters	with manual agitator	V 44 221 60 112	V 44 221 60 113
	6 bar	11.8 liters	with air-powered agitator (0.36 kW, 200 rpm)	V 44 221 60 212	V 44 221 60 213
	6 bar	11.8 liters	with electric agitator (0.12 kW, 60 rpm)	V 44 221 60 312	V 44 221 60 313
MDG 22 <sup>1</sup>	6 bar	19.5 liters	without agitator	V 44 321 60 012	V 44 321 60 013
	6 bar	19.5 liters	with manual agitator	V 44 321 60 112	V 44 321 60 113
	6 bar	19.5 liters	with air-powered agitator (0.36 kW, 200 rpm)	V 44 321 60 212	V 44 321 60 213
	6 bar	19.5 liters	with electric agitator (0.12 kW, 60 rpm)	V 44 321 60 312	V 44 321 60 313
MDG 24	6 bar	23.5 liters	without agitator	V 44 231 60 012	V 44 231 60 013
	6 bar	23.5 liters	with manual agitator	V 44 231 60 112	V 44 231 60 113
	6 bar	23.5 liters	with air-powered agitator (0.36 kW, 200 rpm)	V 44 231 60 212	V 44 231 60 213
	6 bar	23.5 liters	with electric agitator (0.12 kW, 60 rpm)	V 44 231 60 312	V 44 231 60 313
MDG 45 <sup>2</sup>	4 bar	42.5 liters	without agitator	V 44 241 40 012	V 44 241 40 013
	4 bar	42.5 liters	with manual agitator	V 44 241 40 112	V 44 241 40 113
	4 bar	42.5 liters	with air-powered agitator (0.36 kW, 200 rpm)	V 44 241 40 212	V 44 241 40 213
	4 bar	42.5 liters	with electric agitator (0.12 kW, 60 rpm)	V 44 241 40 312	V 44 241 40 313
MDG 45 <sup>2</sup>	6 bar	42.5 liters	without agitator	V 44 241 60 012	V 44 241 60 013
	6 bar	42.5 liters	with manual agitator	V 44 241 60 112	V 44 241 60 113
	6 bar	42.5 liters	with air-powered agitator (0.36 kW, 200 rpm)	V 44 241 60 212	V 44 241 60 213
	6 bar	42.5 liters	with electric agitator (0.12 kW, 60 rpm)	V 44 241 60 312	V 44 241 60 313
MDG 60	3 bar	58.5 liters	without agitator	V 44 251 30 012	V 44 251 30 013
	3 bar	58.5 liters	with manual agitator	V 44 251 30 112	V 44 251 30 113
	3 bar	58.5 liters	with air-powered agitator (0.36 kW, 200 rpm)	V 44 251 30 212	V 44 251 30 213
	3 bar	58.5 liters	with electric agitator (0.12 kW, 60 rpm)	V 44 251 30 312	V 44 251 30 313
MDG 60	6 bar	58.5 liters	without agitator	V 44 251 60 012	V 44 251 60 013
	6 bar	58.5 liters	with manual agitator	V 44 251 60 112	V 44 251 60 113
	6 bar	58.5 liters	with air-powered agitator (0.36 kW, 200 rpm)	V 44 251 60 212	V 44 251 60 213
	6 bar	58.5 liters	with electric agitator (0.12 kW, 60 rpm)	V 44 251 60 312	V 44 251 60 313
MDG 90	2 bar	90 liters	without agitator	V 44 261 20 012	V 44 261 20 013
	2 bar	90 liters	with manual agitator	V 44 261 20 112	V 44 261 20 113
	2 bar	90 liters	with air-powered agitator (0.36 kW, 200 rpm)	V 44 261 20 212	V 44 261 20 213
	2 bar	90 liters	with electric agitator (0.12 kW, 60 rpm)	V 44 261 20 312	V 44 261 20 313
MDG 90	6 bar	90 liters	without agitator	V 44 261 60 012	V 44 261 60 013
	6 bar	90 liters	with manual agitator	V 44 261 60 112	V 44 261 60 113
	6 bar	90 liters	with air-powered agitator (0.36 kW, 200 rpm)	V 44 261 60 212	V 44 261 60 213
	6 bar	90 liters	with electric agitator (0.12 kW, 60 rpm)	V 44 261 60 312	V 44 261 60 313
MDG 120	1.5 bar	120 liters	without agitator	V 44 271 15 012	V 44 271 15 013
	1.5 bar	120 liters	with manual agitator	V 44 271 15 112	V 44 271 15 113
	1.5 bar	120 liters	with electric agitator (0.18 kW, 100 rpm)	V 44 271 15 312	V 44 271 15 313
MDG 120	6 bar	120 liters	without agitator	V 44 271 60 012	V 44 271 60 013
	6 bar	120 liters	with manual agitator	V 44 271 60 112	V 44 271 60 113
	6 bar	120 liters	with electric agitator (0.18 kW, 100 rpm)	V 44 271 60 312	V 44 271 60 313
MDG 250	6 bar	248 liters	without agitator	V 44 281 60 012	V 44 281 60 013
	6 bar	248 liters	with manual agitator	V 44 281 60 112	V 44 281 60 113
	6 bar	248 liters	with electric agitator (0.18 kW, 100 rpm)	V 44 281 60 312	V 44 281 60 313

<sup>1</sup> For use with containers 10/15 liters – please check container sizes!

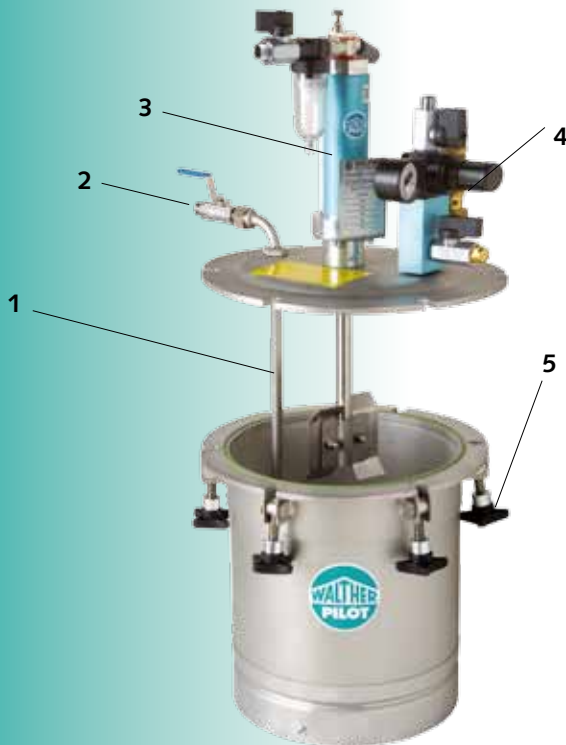
<sup>2</sup> For use with containers 30 liters

# Material Pressure Tanks Type LDG

## Lightweight material pressure tanks type LDG

*These thin-walled containers are made entirely of stainless steel (1.4301).  
The tanks can be opened easily and quickly using the hinged cross grip locks.*

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



LDG 5 without agitator



LDG 20 with electric agitator



LDG 10 with air-powered agitator

All LDG 5 and LDG 10 pressure tanks with an upper outlet are supplied as standard with an integrated inliner.

## Optional accessories for lightweight material pressure tanks LDG



Air inlet fitting assembly complete with second regulator for connecting a second spray gun



Control for marking containers



Material distributor for connecting a second or third consumer



Manual agitator



Air-powered agitator for LDG 5



Air-powered agitator for LDG 10 and 20



Electric agitator for LDG 10 and 20



Material filter (see p. 45)



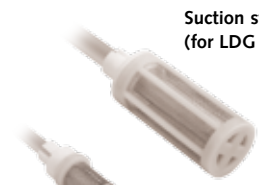
Inliner for LDG 10 and LDG 5 (see p. 43))



Insert bucket (see p. 45)



Fluid level sensors



Suction strainer for LDG 5 and 10

Suction strainer (for LDG 20)

# Lightweight Material Pressure Tanks Stainless Steel

Type	Max. pressure	Capacity approx.	Version	Part No.
LDG 5	6 bar	3.5 liters	without agitator	V 44 051 60 013
	6 bar	3.5 liters	with manual agitator	V 44 051 60 113
	6 bar	3.5 liters	with air-powered agitator (0.16 kW, 400 rpm)	V 44 051 60 213
LDG 10	6 bar	9 liters	without agitator	V 44 101 60 013
	6 bar	9 liters	with manual agitator	V 44 101 60 113
	6 bar	9 liters	with air-powered agitator (0.36 kW, 200 rpm)	V 44 101 60 213
	6 bar	9 liters	with electric agitator (0.12 kW, 60 rpm)	V 44 101 60 313
LDG 20	6 bar	15 liters	without agitator	V 44 201 60 013
	6 bar	15 liters	with manual agitator	V 44 201 60 113
	6 bar	15 liters	with air-powered agitator (0.36 kW, 200 rpm)	V 44 201 60 213
	6 bar	15 liters	with electric agitator (0.12 kW, 60 rpm)	V 44 201 60 213

Inliner for LDG 5 (package unit: 5 pieces)

Inliner for LDG 10 (package unit: 5 pieces)

V 43 000 50 000

V 43 001 00 000

*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.*



Inliner for LDG 5

Inliner for LDG 10

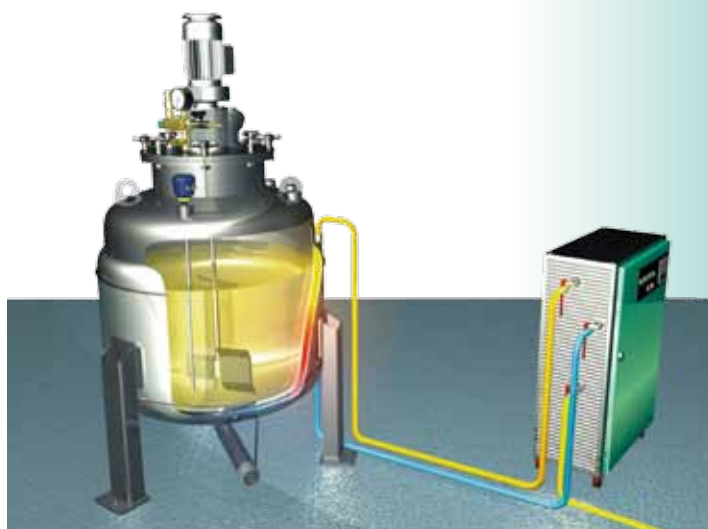
## Special tanks

WALTHER PILOT produces single- and double-walled pressure tanks from steel and stainless steel up to a capacity of 2000 liters on the basis of 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 provides constant temperatures in the material.

Level and temperature measurement can be integrated for process monitoring.



# Agitators for Material Pressure Tanks

## Agitator drives

### Manual agitator

**Fields of application depending on material:** 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)  
**Fields of application depending on material:** MDG 8, MDG 12, MDG 22, MDG 24, MDG 45, MDG 60, MDG 90, LDG 5, LDG 10, LDG 20

### Air-powered geared agitators

**Versions with oil lubrication:**  
Type 46-811 (0.36 kW, 200 rpm., max. 17 Nm)  
Type 46-821 (0.36 kW, 300 rpm., max. 11 Nm)  
Versions with oil lubrication are especially wear-resistant but require exhaust air treatment.

### Air-powered geared agitators for small-size containers

Type 46-200 (0.16 kW, 400 rpm.)  
stirrer element: ring propeller, diameter 60 mm  
**Fields of application depending on material:** MDG 1, 2, 3, 4, LDG 5.  
Suitable for low-viscosity materials.

### Electrically powered geared agitators

Type 44-220 (0.12 kW, 60 rpm., max. 19 Nm)  
**Fields of application depending on material:** MDG 8, MDG 12, MDG 22, MDG 24, MDG 45, MDG 60, MDG 90, LDG 10, LDG 20  
Type 44-220 (0.18 kW, 100 rpm., max. 17 Nm)  
**Fields of application depending on material:** MDG 120, MDG 250

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

### Electrically powered geared agitators with packing seal

(0.37-2.2 kW, 30-100 rpm)  
**Fields of application depending on material:** up to MDG 2000  
Speed control on request. Not for use in potentially explosive atmospheres.

### Electrically powered geared agitators with magnetic clutch

Series 49-530 (0.37 kW, 80 rpm, 43 Nm)  
Series 49-520 (0.55 kW, 55 rpm, 98 Nm)  
Other speeds and speed control on request.  
**Fields of application depending on material:** up to 2000 liters capacity. Electrically powered agitators with speed control on request. Agitator shaft is split, torque is transmitted via magnetic clutch. Material is sealed in hermetically.

## Impeller elements



### Blade impellers (standard)

Impeller diameter depending on container size and speed. Zinc-plated steel, stainless steel optional.



### Pitched blade impellers

Optional for containers from 45 liters. Stainless steel, diameter depending 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. Aluminum die cast alloy; impeller diameter according to container size. Not for use in potentially explosive atmospheres.



Air-powered and electrically powered agitators are explosion-protected in accordance with 94/9/EC (ATEX). Non-explosion-protected versions are also available.



# Accessories for Material Pressure Tanks Type MDG

## Insert bucket with internal handles

for MDG 8	capacity: 4.9 Ltr.
for MDG 12	capacity: 7.9 Ltr.
for MDG 22	capacity: 14.6 Ltr.
for MDG 24	capacity: 18 Ltr.
for MDG 45	capacity: 31.8 Ltr.
for MDG 60	capacity: 45.5 Ltr.
for MDG 90	capacity: 51.9 Ltr.
for MDG 120	capacity: 70.1 Ltr.
for LDG series	

## galvanized

V 43 000 80 002
V 43 001 20 002
V 43 002 20 002
V 43 002 40 002
V 43 004 50 002
V 43 006 00 002
V 43 009 00 002
V 43 012 00 002
on request

## stainless steel

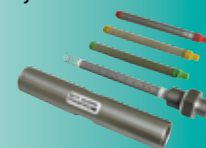
V 43 000 80 003
V 43 001 20 003
V 43 002 20 003
V 43 002 40 003
V 43 004 50 003
V 43 006 00 003
V 43 009 00 003
V 43 012 00 003
on request



Insert bucket



Trolley



Material filters and inserts



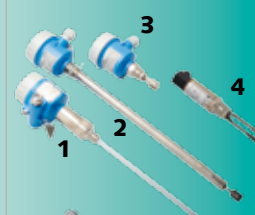
Suction strainer



Material distributor with shut-off valve



Air inlet fitting assemblies



Inspection glass, illuminated



Lift for MDG material pressure tank cover complete with control unit, lifting cylinder, cover retaining arm and base plate

Trolley 5 castors, 2 lockable, galvanized

MDG 12 and 24  
MDG 22  
MDG 45 and 60  
MDG 90 and 120

V 43 102 40 000  
V 43 102 20 000  
V 43 104 50 000  
V 43 109 00 000

Material filters stainless steel 3/8" (max. 350 bar)  
Inserts for the above:

Standard: 50 Mesh (240 µ)  
30 Mesh (green), (410 µ)  
50 Mesh (white), (240 µ)  
100 Mesh (yellow), (150 µ)  
200 Mesh (red), (75 µ)

V 33 238 05 003  
V 33 214 05 030  
V 33 214 05 050  
V 33 214 05 100  
V 33 214 05 200

Suction strainer for fixing on material outlet pipe, mesh 1.0 mm

Suction strainer for fixing on material outlet pipe, mesh 1.8 mm

Material distributor for connecting 2 discharge valves, stainless steel

Material distributor for connecting 3 discharge valves, stainless steel

Material discharge tap G 3/8" (nickel-plated brass)

Material discharge tap G 3/8" (stainless steel)

Material discharge tap G 1/2" (nickel-plated brass)

Material discharge tap G 1/2" (stainless steel)

Air inlet fitting assembly without regulator, with safety valve

Air inlet fitting assembly with precision regulator, safety valve, manometer and venting

Air inlet fitting assembly with second regulator for fitting a second spray gun (from MDG 12)

Air inlet fitting assembly with second and third regulator (from MDG 12)

Retrofit kit for second regulator on standard air inlet fitting assembly (from MDG 12), versions according to container pressure

Pneumatic dryer 1/4" (for mounting on air inlet of container)

V 44 220 09 520  
V 44 220 09 530

V 44 220 09 143  
V 44 220 09 153

V 44 220 09 105  
V 44 220 09 103

V 44 220 09 125  
V 44 220 09 123

V 35 405 00 . . 3

V 35 408 00 . . 3

V 35 402 00 . . 0

V 35 404 00 . . 3

V 35 402 00 . . 3

V 44 000 00 020

## Level indicators:

1. Sensor for capacitive level detection (continuous measurement).

ATEX and non-ATEX versions available

2. Vibrating probe limit detector for min. 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 lateral mounting.

ATEX and non-ATEX versions available

4. Vibrating probe limit detector for min. and max. level detection, short version for lateral mounting, non-ATEX version

## Matching electronic display units

Inspection glasses, illuminated and non-illuminated, optical fluid-level displays

on request

on request

on request

on request

on request

## Pneumatic lifts for pressure tanks covers

The pneumatic lifts are especially useful when heavy parts such as agitators, level sensing equipment, etc. make manual lifting difficult.

The lifting system also ensures that sensitive components (e.g. level sensors) are effectively protected against mishandling.

The lift is suitable for the following tank sizes:

• MDG 45 • MDG 60 (other tank sizes on request)

(Further details on p. 48)

# Mixing Tanks



Special tank: stainless steel container FMB 35 in electro-polished design with electric agitator



FMB with console for diaphragm pump



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

Model		Part No.
<b>WALTHER mixing tank FMB galvanized version</b> <i>Tank with sloping base, 1 lower outlet without ball valve, lid with 1/3 opening, with seal. Lid without additional screw threads or cut-outs.</i>		
FMB 35	without agitator	V 60 003 50 002
FMB 35	with air-powered agitator type 46-810, 0.36 kW	V 60 003 52 002
FMB 35	with electric agitator type 44-220, 0.12 kW	V 60 003 53 002
FMB 60	without agitator	V 60 006 00 002
FMB 60	with air-powered agitator type 46-810, 0.36 kW	V 60 006 02 002
FMB 60	with electric agitator type 44-220, 0.12 kW	V 60 006 03 002
FMB 125	without agitator	V 60 012 50 002
FMB 125	with electric agitator type 61-000, 0.37 kW	V 60 012 53 002
FMB 250	without agitator	V 60 025 00 002
FMB 250	with electric agitator type 61-000, 0.55 kW	V 60 025 03 002
FMB 350	without agitator	V 60 035 00 002
FMB 350	with electric agitator type 61-000, 0.55 kW	V 60 035 03 002
FMB 500	without agitator	V 60 050 00 002
FMB 500	with electric agitator type 61-000, 0.75 kW	V 60 050 03 002

For further options, see left side of page.






## WALTHER mixing tank FMB stainless steel 1.4301, pickled

*Tank with sloping base, 1 lower outlet without ball valve, lid with 1/3 opening, with seal. Lid without additional screw threads or cut-outs. Electro-polished version available.*

FMB 35	without agitator	V 60 003 50 003
FMB 35	with air-powered agitator type 46-810, 0.36 kW	V 60 003 52 003
FMB 35	with electric agitator type 44-220, 0.12 kW	V 60 003 53 003
FMB 60	without agitator	V 60 006 00 003
FMB 60	with air-powered agitator type 46-810, 0.36 kW	V 60 006 02 003
FMB 60	with electric agitator type 44-220, 0.12 kW	V 60 006 03 003
FMB 125	without agitator	V 60 012 50 003
FMB 125	with electric agitator type 61-000, 0.37 kW	V 60 012 53 003
FMB 250	without agitator	V 60 025 00 003
FMB 250	with electric agitator type 61-000, 0.55 kW	V 60 025 03 003
FMB 350	without agitator	V 60 035 00 003
FMB 350	with electric agitator type 61-000, 0.55 kW	V 60 035 03 003
FMB 500	without agitator	V 60 050 00 003
FMB 500	with electric agitator type 61-000, 0.75 kW	V 60 050 03 003

For further options, see left side of page.

# Agitators for Mixing Tanks

Model	Drive	Impeller elements
	<b>Air-powered geared agitators (standard)</b> 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 60  Air-powered geared agitators for other container sizes on request. Versions with oil lubrication are also available.	 <b>Blade impellers (standard)</b> Impeller diameter depending on container size and speed. Stainless steel
	<b>Air-powered geared agitators</b> Type 46-730 (0.55 kW, 300 rpm)	 <b>Grid blade impeller</b> Impeller diameter depending on requirement. Aluminum die cast alloy. Not for use in potentially explosive atmospheres.
	<b>Electrically powered geared agitators</b> 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) Electrically powered geared agitators with other speeds, speed control, or other options on request.	 <b>Cup impeller PILOT Calix</b> Impeller diameter according to container size and speed. Stainless steel. Requires speeds > 100 rpm
	<b>Electrically powered geared agitators</b> 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.	
	 Air-powered and electrically powered agitators are explosion-protected in accordance with 94/9/EC (ATEX). Non-explosion-protected versions are also available.	

## Accessories for Mixing Tanks

### Level indicators, vibrating probe limit detectors

(see p. 45)

### Lifts for mixing tanks covers

*Facilitates convenient filling and cleaning. The lifting system also ensures that sensitive components (e.g. level sensors) are effectively protected against mishandling*

Suitable for the following container sizes:

- FMB 35 • FMB 60 (further container sizes on request)

Drip pans on request

Trolleys on request



Lift for mixing  
tank cover  
and drip tray

## Pneumatic Lifts for Drum Covers



Lift for 200 liters drum cover with lifting cylinder, control unit, cover holding bracket, drum centering, base plate



Lift for MDG series tanks, including control unit, lifting cylinder, cover holding bracket, base plate

Pneumatic lifts are available for container sizes from 30 to 1000 liters and standard material pressure tanks MDG 45 and 60. Standardized system components are available for all kinds of requirement profiles.

Basic equipment: pneumatic double-action lifting cylinder including outlet throttling valve, base plate, 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.

Model	Stroke	max. hoisting capacity	max. operating pressure	Part No.
PE 500 <i>up to 30 liter containers</i>	500 mm	50 kg	6 bar	PE 050000000
PE 700 <i>up to 60 liter containers</i>	700 mm	75 kg	6 bar	PE 070000000
PE 700 for MDG <i>swivelling</i>	700 mm	75 kg	6 bar	PE 070100000
PE 1000 <i>up to 200 liter drums</i>	1000 mm	75 kg	6 bar	PE 100000000
PE 1500 <i>up to 1000 liter containers</i>	1350 mm	75 kg	6 bar	PE 150000000
Holding bracket for:				
			Bolt circle	
30-liter drum cover			320 mm	PE 050099300
60-liter drum cover			380 mm	PE 070099300
200-liter drum cover			560 mm	PE 100099300
1000-liter container with extension			380 mm	PE 150099300
Drum centering device for:				
30-60-liter drum				PE 050099200
200-liter drum				PE 100099200



Lift and agitator control with mounting

As shown on the left, but with additional air control valve



Drum cover for mounting pumps, agitators, etc.

Agitator station with drum draining and drum changing mechanism

## Accessories for Pneumatic Lifts

Pneumatic lift control with mounting

Pneumatic lift and agitator control incl. pneumatic agitator shut-off, with mounting

Pneumatic lift control, electric agitator shut-off, (not for use in potentially explosive atmospheres – use NAMUR disconnecter), with mounting

Air control valve with manometer and mounting

Drip trays

Base plates

Drum covers, with bore holes and display opening on

AE 400008001

AE 400008021

AE 400008061

AE 400008041

on request  
on request  
on request





# Agitators for Drum Covers

## Agitator drives for 200 liter drums



### Air-powered agitators (standard) with mounting flange

Type 46-845 (0.36 kW, 200 rpm., max. 17 Nm)  
Versions with oil lubrication are also available.



### Air-powered agitators with mounting flange

Type 46-730 (0.55 kW, 300 rpm)



### 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 agitators with other speeds, with speed control or with other power outputs are also available on request.

## Impeller elements



### Blade impellers (standard)

Impeller diameter depending on container size and speed.  
Stainless steel



### Grid blade impeller

Impeller diameter depending on requirement. Aluminum die cast alloy. Not for use in potentially explosive atmospheres.



### Cup impeller PILOT Calix

Impeller diameter according to container size and speed. Stainless steel. Requires speeds > 100 rpm.

## Agitator drives for 30 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)



### Air-powered geared agitators

Versions with oil lubrication:

Type 46-811 (0.36 kW, 200 rpm., max. 17 Nm)  
Type 46-821 (0.36 kW, 300 rpm., max. 11 Nm)

(Versions with oil lubrication are especially wear-resistant but require exhaust air treatment)



### 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)

Electrically powered agitators with other speeds, with speed control or with other power outputs are also available on request.

## Impeller elements



### Blade impellers (standard)

Impeller diameter depending on container size and speed. Zinc-plated steel, stainless steel optional.



### Cup impeller PILOT Calix

Impeller diameter according to container size and speed. Stainless steel. Requires speeds > 100 rpm



Air-powered and electrically powered agitators are explosion-protected in accordance with 94/9/EC (ATEX). Non-explosion-protected versions are also available.

# Diaphragm Pumps



MBP 2812  
aluminum



MBP 2812  
stainless steel



MBP 5212  
Aluminum



MBP 5212  
stainless steel



MBP 8034  
aluminum



MBP 8034  
acetal



MBP 1821  
aluminum



Unica

## Model

## Part No.

### Diaphragm pump MBP 2812

- flow rate: max. 28 l/min • 1/2" connection,
  - pressure ratio 1:1 • air inlet pressure: max. 8 bar
- Ball and seat ring stainless steel, PTFE diaphragm.

Housing versions:      aluminum (AL)  
                                     stainless steel (SS)  
                                     Acetal (AC)

A 28 121 45 230  
A 28 127 45 230  
A 28 128 45 230

### Diaphragm pump MBP 5212

- flow rate: max. 52 l/min • 1/2" connection,
  - pressure ratio 1:1 • air inlet pressure: max. 8 bar
- Ball and seat ring stainless steel, PTFE diaphragm.

Housing versions:      Ryton (PPS)  
                                     aluminum (AL)  
                                     stainless steel (SS)  
                                     Acetal (AC)

A 52 126 45 230  
A 52 121 45 230  
A 52 127 45 230  
A 52 128 45 230

### Diaphragm pump MBP 8034

- flow rate: max. 80 l/min • 3/4" connection,
  - pressure ratio 1:1 • air inlet pressure: max. 8 bar
- Ball and seat ring stainless steel, PTFE diaphragm.

Housing versions:      Ryton (PPS)  
                                     aluminum (AL)  
                                     stainless steel (SS)  
                                     Acetal (AC)

A 80 346 45 230  
A 80 341 45 230  
A 80 347 45 230  
A 80 348 45 230

### Diaphragm pump MBP 1821

- flow rate: max. 182 l/min • 1" connection,
  - pressure ratio 1:1 • air inlet pressure: max. 8 bar
- Ball and seat ring stainless steel, PTFE diaphragm.

Housing versions:      aluminum (AL)  
                                     stainless steel (SS)

A 18 211 45 230  
A 18 217 45 230

### Diaphragm pump Unica 4:270

- flow rate: max. 182 l/min • 3/4" connection,
  - pressure ratio 4,5:1 • air inlet pressure: max. 6 bar
- Ball and seat ring stainless steel, PTFE diaphragm.

Housing versions:      – stainless steel (SS)  
                                     PTFE diaphragm  
                                     – stainless steel (SS)  
                                     reinforced PTFE diaphragm

AMU 580 00 000  
AMU 580 00 HRD

WALTHER PILOT diaphragm pumps are robust, efficient and reliable and can be used in any industry. See p. 11 for Spray Paks with diaphragm pumps.

# Piston Pumps

Model	Version
<b>PILOT Vesir low-pressure drum pumps</b>	
Versions available: PILOT Vesir N (all wetted parts: normal steel) PILOT Vesir R (all wetted parts: stainless steel)	
<b>Amount supplied per double stroke: 200 cc</b>	
<b>Vesir 200.01 N</b> Pressure ratio: 1:1	short version long version
<b>Vesir 200.01 R</b> Pressure ratio: 1:1	short version long version
<b>Amount supplied per double stroke: 100 cc</b>	
<b>Vesir 100.02 N</b> Pressure ratio: 2:1	short version long version
<b>Vesir 100.02 R</b> Pressure ratio: 2:1	short version long version
<b>PILOT Vesir low-pressure pumps</b>	
Versions available: PILOT Vesir N (all wetted parts: normal steel) PILOT Vesir R (all wetted parts: stainless steel)	
<b>Amount supplied per double stroke: 150 cc</b>	
<b>Vesir 150.03.5 N</b> Pressure ratio: 3.5:1	short version long version
<b>Vesir 150.03.5 R</b> Pressure ratio: 3.5:1	short version long version
<b>Vesir 150.05.5 N</b> Pressure ratio: 3.5:1	short version long version
<b>Vesir 150.05.5 R</b> Pressure ratio: 5.5:1	short version long version
<b>Vesir 150.08 N</b> Pressure ratio: 8:1	short version long version
<b>Vesir 150.08 R</b> Pressure ratio: 8:1	short version long version
<b>Vesir 150.015.5 N</b> Pressure ratio: 15:1	short version long version
<b>Vesir 150.015.5 R</b> Pressure ratio: 15:1	short version long version
<b>Amount supplied per double stroke: 375 cc</b>	
<b>Vesir 375.03 N</b> Pressure ratio: 3:1	short version
<b>Vesir 375.03 R</b> Pressure ratio: 3:1	short version
<b>Vesir 375.05 N</b> Pressure ratio: 5:1	short version
<b>Vesir 375.05 R</b> Pressure ratio: 5:1	short version
<b>Vesir 375.09.5 N</b> Pressure ratio: 9.5:1	short version
<b>Vesir 375.09.5 R</b> Pressure ratio: 9.5:1	short version
<b>Amount supplied per double stroke: 600 cc</b>	
<b>Vesir 600.03 N</b> Pressure ratio: 3:1	short version
<b>Vesir 600.03 R</b> Pressure ratio: 3:1	short version
<b>Vesir 600.06 N</b> Pressure ratio: 6:1	short version
<b>Vesir 600.06 R</b> Pressure ratio: 6:1	short version
<b>Vesir 600.12 N</b> Pressure ratio: 12:1	short version
<b>Vesir 600.12 R</b> Pressure ratio: 12:1	short version



Drum pumps – long and short version



Complete conveyor systems with pneumatic lift for drum cover, drum pump and agitator

Pumps / Airless / Multi-component syst.

# Airless – Air-Assisted Airless Equipment

## PILOT Gordon

### Small equipment – great efficiency

Versions available:

**PILOT Gordon N** (all wetted parts in normal steel)

**PILOT Gordon R** (all wetted parts in stainless steel)

**PILOT Gordon RS** (all wetted parts in acid-resistant stainless steel)

Includes: High-pressure pump fully mounted on frame, high-pressure filter with standard screen including a relief valve, pressure regulation unit, safety valve, direct air inlet connection with suction filter or feed tank with material filter.

High-pressure hose and spray gun are not included.



PILOT Gordon with wall bracket and tank



PILOT Gordon with tripod

Model	Version
<b>Airless-equipment</b>	
<b>Gordon 3033 N</b> Amount supplied per double stroke: 14 cc Pressure ratio: <b>33:1</b>	with tank with tripod with trolley with feed tank
<b>Gordon 3033 R</b> Amount supplied per double stroke: 14 cc Pressure ratio: <b>33:1</b>	with tank
<b>Gordon 3033 RS</b> Amount supplied per double stroke: 14 cc Pressure ratio: <b>33:1</b>	with tripod with trolley with feed tank with wall bracket
<b>Gordon 4233 N</b> Amount supplied per double stroke: 27 cc Pressure ratio: <b>32:1</b>	with tank with tripod with trolley with feed tank with wall bracket
<b>Gordon 4233 R</b> Amount supplied per double stroke: 27 cc Pressure ratio: <b>32:1</b>	with tank
<b>Gordon 4233 RS</b> Amount supplied per double stroke: 27 cc Pressure ratio: <b>32:1</b>	with tripod with trolley with feed tank with wall bracket
<b>Airless equipment*</b>	
<b>Gordon 4233 N</b> Amount supplied per double stroke: 27 cc Pressure ratio: <b>32:1</b>	with tank with tripod with trolley with feed tank with wall bracket
<b>Gordon 4233 R</b> Amount supplied per double stroke: 27 cc Pressure ratio: <b>32:1</b>	with tank
<b>Gordon 4233 RS</b> Amount supplied per double stroke: 27 cc Pressure ratio: <b>32:1</b>	with tripod with trolley with feed tank with wall bracket

\*Included in delivery: Set of hoses 7.5 m, but without spray gun

Other Gordon devices with different pressure ratios on request



# Airless – Air-Assisted Airless Equipment

## PILOT Bestwin

### The standard for crafts and industry

*These high-performance units allow you to pump almost any spraying medium.  
The equipment is also suitable for thermal spraying.*

Versions available:

**PILOT Bestwin N** (all wetted parts in normal steel)

**PILOT Bestwin R** (all wetted parts in stainless steel)

**PILOT Bestwin RS** (all wetted parts in acid-resistant stainless steel)

Includes: High-pressure tank completely mounted on stand, high-pressure filter with standard screen, including a relief valve, pressure regulation unit, safety valve, direct air inlet connection with suction screen or a feed tank connection with material valve.

High-pressure hose and spray gun are not included.

Model	Version
<b>Bestwin 6530 N</b> Amount supplied per double stroke: 40 cc Pressure ratio: <b>30:1</b>	with tripod with trolley with feed tank with wall bracket
<b>Bestwin 6530 R</b> Amount supplied per double stroke: 40 cc Pressure ratio: <b>30:1</b>	with tripod with trolley with feed tank with wall bracket
<b>Bestwin 6530 RS</b> Amount supplied per double stroke: 40 cc Pressure ratio: <b>30:1</b>	with tripod with trolley with feed tank with wall bracket
<b>Bestwin 6552 N</b> Amount supplied per double stroke: 40 cc Pressure ratio: <b>52:1</b>	with tripod with trolley with feed tank with wall bracket
<b>Bestwin 6552 R</b> Amount supplied per double stroke: 40 cc Pressure ratio: <b>52:1</b>	with tripod with trolley with feed tank with wall bracket
<b>Bestwin 6552 RS</b> Amount supplied per double stroke: 40 cc Pressure ratio: <b>52:1</b>	with tripod with trolley with feed tank with wall bracket
<b>Bestwin 11018 N</b> Amount supplied per double stroke: 72 cc Pressure ratio: <b>18:1</b>	with tripod with trolley with wall bracket
<b>Bestwin 11018 R</b> Amount supplied per double stroke: 72 cc Pressure ratio: <b>18:1</b>	with tripod with trolley with wall bracket
<b>Bestwin 11018 RS</b> Amount supplied per double stroke: 72 cc Pressure ratio: <b>18:1</b>	with tripod with trolley with wall bracket
<b>Bestwin 11032 N</b> Amount supplied per double stroke: 72 cc Pressure ratio: <b>32:1</b>	with tripod with trolley with wall bracket
<b>Bestwin 11032 R</b> Amount supplied per double stroke: 72 cc Pressure ratio: <b>32:1</b>	with tripod with trolley with wall bracket
<b>Bestwin 11032 RS</b> Amount supplied per double stroke: 72 cc Pressure ratio: <b>32:1</b>	with tripod with trolley with wall bracket



PILOT Bestwin with trolley



PILOT Gordon or Bestwin – both models as pumps only available on request



Material heater (3.5 kW) for thermal spraying operation: operating pressure 0 – 450 bar. Two versions:  
• 230 V  
• 380 V

# Airless – Air-Assisted Airless Equipment



PILOT Bestwin – mobile version for air-assisted airless

Model	Version
<b>Air-assisted airless equipment*</b>	
<b>Bestwin 6530 N</b> Amount supplied per double stroke: 40 cc Pressure ratio: 30:1	with tripod with trolley with wall bracket
<b>Bestwin 6530 R</b> Amount supplied per double stroke: 40 cc Pressure ratio: 30:1	with tripod with trolley with wall bracket
<b>Bestwin 6530 RS</b> Amount supplied per double stroke: 40 cc Pressure ratio: 30:1	with tripod with trolley with wall bracket

\*Included in delivery: Set of hoses 7.5 m, but without spray gun.  
Other Bestwin devices for air-assisted airless on request.  
Bestwin equipment with material heater on request.

## PILOT Wodan

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

Versions available

**PILOT Wodan N** (all wetted parts in normal steel)

**PILOT Wodan R** (all wetted parts in stainless steel)

Includes: High-pressure tank completely mounted on stand, high-pressure filter with standard screen, including a relief valve, pressure regulation unit, safety valve, direct air inlet connection with suction screen or a feed tank connection with material valve. High-pressure hose and spray gun are not included.



PILOT Wodan with trolley

<b>Wodan 24026 N</b> Amount supplied per double stroke: 138 cc Pressure ratio: 26:1	with trolley with wall bracket
<b>Wodan 24026 R</b> Amount supplied per double stroke: 138 cc Pressure ratio: 26:1	with trolley with wall bracket
<b>Wodan 24053 N</b> Amount supplied per double stroke: 138 cc Pressure ratio: 53:1	with trolley with wall bracket with lifting trolley
<b>Wodan 24053 R</b> Amount supplied per double stroke: 138 cc Pressure ratio: 53:1	with trolley with wall bracket with lifting trolley
<b>Wodan 24071 N</b> Amount supplied per double stroke: 138 cc Pressure ratio: 71:1	with trolley with wall bracket with lifting trolley
<b>Wodan 24071 R</b> Amount supplied per double stroke: 138 cc Pressure ratio: 71:1	with trolley with wall bracket with lifting trolley
<b>Wodan 28023 N</b> Amount supplied per double stroke: 153 cc Pressure ratio: 23:1	with trolley with wall bracket
<b>Wodan 28023 R</b> Amount supplied per double stroke: 153 cc Pressure ratio: 23:1	with trolley with wall bracket
<b>Wodan 28048 N</b> Amount supplied per double stroke: 153 cc Pressure ratio: 48:1	with trolley with wall bracket with lifting trolley
<b>Wodan 28048 R</b> Amount supplied per double stroke: 153 cc Pressure ratio: 48:1	with trolley with wall bracket with lifting trolley
<b>Wodan 28064 N</b> Amount supplied per double stroke: 153 cc Pressure ratio: 64:1	with trolley with wall bracket with lifting trolley

# Airless – Air-Assisted Airless Equipment

Model	Version
<b>Wodan 28064 R</b> Amount supplied per double stroke: 153 cc Pressure ratio: <b>64:1</b>	with trolley with wall bracket with lifting trolley
<b>Wodan 38032 N</b> Amount supplied per double stroke: 235 cc Pressure ratio: <b>32:1</b>	with trolley with wall bracket with lifting trolley
<b>Wodan 38032 R</b> Amount supplied per double stroke: 235 cc Pressure ratio: <b>32:1</b>	with trolley with wall bracket with lifting trolley
<b>Wodan 38042 N</b> Amount supplied per double stroke: 235 cc Pressure ratio: <b>42:1</b>	with trolley with wall bracket with lifting trolley
<b>Wodan 38042 R</b> Amount supplied per double stroke: 235 cc Pressure ratio: <b>42:1</b>	with trolley with wall bracket with lifting trolley
<b>Wodan 44024 N</b> Amount supplied per double stroke: 306 cc Pressure ratio: <b>24:1</b>	with trolley with wall bracket with lifting trolley
<b>Wodan 44024 R</b> Amount supplied per double stroke: 306 cc Pressure ratio: <b>24:1</b>	with trolley with wall bracket with lifting trolley
<b>Wodan 44032 N</b> Amount supplied per double stroke: 306 cc Pressure ratio: <b>32:1</b>	with trolley with wall bracket with lifting trolley
<b>Wodan 44032 R</b> Amount supplied per double stroke: 306 cc Pressure ratio: <b>32:1</b>	with trolley with wall bracket with lifting trolley



PILOT Wodan or Praetor – both models as pumps only are available on request

## 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.*

Version available:

**PILOT Praetor R (all wetted parts are in stainless steel))**

*Includes: High-pressure tank completely mounted on stand, high-pressure filter with standard screen, including a relief valve, pressure regulation unit, safety valve, direct air inlet connection with suction screen or a feed tank connection with material valve.*

*High-pressure hose and spray gun are not included.*

<b>Praetor 35061 R (stainless steel)</b> Amount supplied per double stroke: 275 cc Pressure ratio: <b>61:1</b>	with trolley with wall bracket with lifting trolley
<b>Praetor 35075 R (stainless steel)</b> Amount supplied per double stroke: 275 cc Pressure ratio: <b>75:1</b>	with trolley with wall bracket with lifting trolley
<b>Praetor 48046 R (stainless steel)</b> Amount supplied per double stroke: 360 cc Pressure ratio: <b>46:1</b>	with trolley with wall bracket with lifting trolley
<b>Praetor 48057 R (stainless steel)</b> Amount supplied per double stroke: 360 cc Pressure ratio: <b>57:1</b>	with trolley with wall bracket with lifting trolley
<b>Praetor 60028 R (stainless steel)</b> Amount supplied per double stroke: 550 cc Pressure ratio: <b>28:1</b>	with trolley with wall bracket with lifting trolley
<b>Praetor 60036 R (stainless steel)</b> Amount supplied per double stroke: 550 cc Pressure ratio: <b>36:1</b>	with trolley with wall bracket with lifting trolley



PILOT Praetor with trolley

Pumps / Airless /  
Multi-component syst.

# Multi-Component Mixing and Metering Systems



Mode of operation: volume flows are measured, signals are sent to the electronic control unit. The system controls a valve to precisely set the mixing ratio.



TwinControl with material heater for heavy coating materials



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

## **TwinControl – electronically controlled with integrated pumps for material and flushing agents**

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

### **TwinControl 5-60 – EvoMotion pumps**

Material pressure 40 bar, mixing ratio freely selectable from 1:1 to 20:1.  
Various volume flows and pressure transmission possible.  
Versions: with wall bracket or on mobile frame.

### **TwinControl 18-40 – Wildcat pumps**

Material pressure 144 bar, mixing ratio freely selectable from 1:1 to 20:1.  
Various volume flows and pressure transmission 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 volume flows and pressure transmission possible.  
Versions: with wall bracket or on mobile frame.

### **TwinControl 35-70 – Leopard pumps, Puma flushing pump**

Material pressure 250 bar, mixing ratio freely selectable from 1:1 to 20:1.  
Various volume flows and pressure transmission possible.  
Versions: with wall bracket or on mobile frame.

### **TwinControl 35-150 – Leopard pumps, Puma flushing pump**

Material pressure 250 bar, mixing ratio freely selectable from 1:1 to 20:1.  
Various volume flows and pressure transmission possible.  
Versions: with wall bracket, on mobile frame or on trolley.

### **TwinControl 48-110 – Leopard pumps, Puma flushing pump**

Material pressure 370 bar, mixing ratio freely selectable from 1:1 to 20:1.  
Various volume flows and pressure transmission possible.  
Versions: with wall bracket, on mobile frame or on trolley.

### **TwinControl 75-150 – Jaguar pumps, Leopard flushing pump**

Material pressure 530 bar, mixing ratio freely selectable from 1:1 to 10:1.  
Various volume flows and pressure transmission possible.  
Versions: with wall bracket, on frame or on trolley.

### **TwinControl 72-3000 – Jaguar pumps, Leopard flushing pump**

Material pressure 530 bar, mixing ratio freely selectable from 1:1 to 10:1.  
Various volume flows and pressure transmission possible.  
Versions: with wall bracket, on frame or on trolley.

#### **Accessories depending on version:**

- Material intake system depending on customer specifications and operating requirements
- Material heater

## **Equipment with fixed mixing ratio**

*Special equipment can be manufactured according to customer specifications. This equipment is available with material heaters. We will be happy to assist you.*



## FlexControl plus – electronically controlled with optional material conveyor system

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

### FlexControl – Version: FlexControl plus

for material pressure of 1 – 270 bar  
mixing ratios freely selectable from 0.1:1 to 50:1.  
material flow 0.1 – 3.0 liters/min.  
Control and fluid unit not separated

### FlexControl – Version FlexControl plus Ex

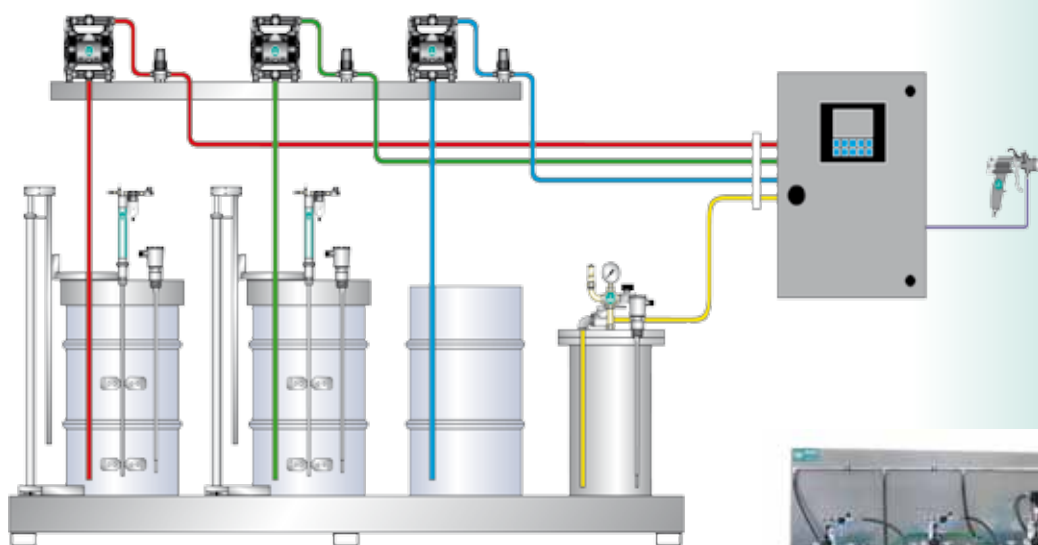
for material pressure of 1 – 270 bar  
mixing ratios freely selectable from 0.1:1 to 50:1.  
material flow 0.1 – 3.0 liters/min.  
Control and fluid unit separated for explosion protection.

### FlexControl – Version FlexControl plus XL

for material pressure of 1 – 400 bar  
mixing ratios freely selectable 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 unit separated.

### Accessories:

- spray gun flushing system
- material pressure tanks (see p. 38)
- diaphragm and piston pumps for material and flushing agents (see p. 50)
- pneumatic lifting devices (see p. 48)
- agitators
- level sensing equipment (see p. 45)



Spray gun flushing device can be attached directly to the system



Material feed by piston pumps or diaphragm pumps.



Pumps / Airless /  
Multi-component syst.

# Open-Face Industrial Booths



## Type 900 Cost-effective spray booths for self-installation

The modular concept makes series 900 spray booths easily affordable. There are four base models that can be combined freely to produce any working width. The spray booths are suitable for use with modern multilayer filters. A high particle absorption capacity cuts down-time. Overspray arrestors: multilayer filter mats made of recycled paper.

Space-saving transportation:  
freight costs are  
particularly low.



### Optional:

- turntables
- energy saving device
- motor circuit-breaker
- spray guns,  
material feed systems



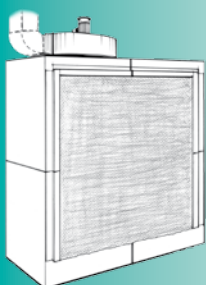
Open-face booth equipped with an energy-saving device. The type 900 booth series can be freely combined to produce any working width. Exhaust pipework is available on request.



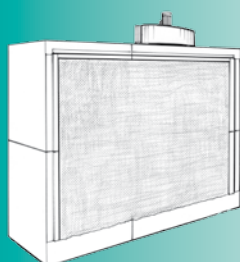
Size 910



Size 915



Size 920



Size 925

Dimensions and performance table 900 series

Sizes		910	915	920	925
Width	mm	1.000	1.500	2.000	2.500
Depth	mm	750	750	750	750
Overall height	mm	2.710	2.780	2.850	2.850
Blower type	NZ	35	40	45	45
Exhaust	m <sup>3</sup> /h	3.600	6.500	8.600	10.000
Motor 400 V	kW	0.75	1.35	2.0	2.0
Overall weight incl. blower	ca. kg	130	180	250	300

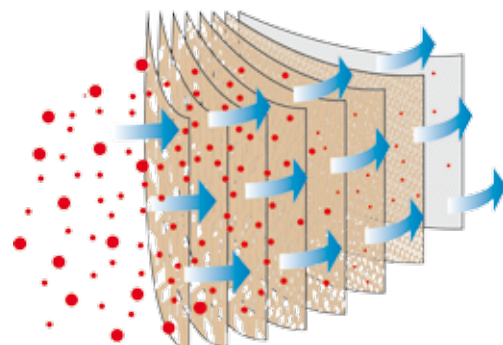
Subject to technical modifications.

## Overspray arrestors

WALTHER PILOT offers multilayer filter mats. They are manufactured from layers of stacked paper. The exhaust air can pass through openings in the filter material.

### Advantages:

- high filtration efficiency
- long service life
- no pre-filter plates necessary



## Energy saving device

Through the gun being hung up after spraying action, a throttle valve in the air duct is closed. Consequently the air flow rate is considerably reduced. This saves thermal energy.



# Booths for small parts

## Type 700

### Cost-effective small bench booths

- Comfortable working
- High-quality finish, low cost
- Exhaust can be mounted on the left or right side
- Overspray collectors: multilayer filter mats from recycled paper
- Supporting frame for quick filter replacement
- Many working widths possible

#### Optional:

- Object positioning device
- Motor circuit-breaker
- Energy saving device
- Lamp (in explosion-proof version, if required)
- Spray guns, material feed systems
- Consumables: strippable coating, paint arrestors

Dimensions and performance table 700 series

Size		708	710	712	714	720
Working width	mm	800	1.000	1.200	1.400	2.000
Overall width	mm	860	1.060	1.260	1.460	2.060
Overall height w/o lamp	mm	1.900	1.900	1.900	1.900	1.900
Height of work table	mm	805	805	805	805	805
Height of workspace	mm	1.065	1.065	1.065	1.065	1.065
Overall depth	mm	1.000	1.000	1.000	1.000	1.000
Working depth	mm	675	675	675	675	675
Depth negat. press. chamber	mm	541	541	541	541	541
Depth of rack	mm	460	460	460	460	460
Motor 400 V	kW	0.75	0.75	0.75	0.75	0.75
Exhaust	m <sup>3</sup> /h	1.850	2.160	2.580	3.180	3.460

Subject to technical modifications.



### Energy saving device

Through the gun being hung up after spraying action, a throttle valve in the air duct is closed. Consequently the air flow rate is considerably reduced. This saves thermal energy.



Workspace of bench booth type 700 with power saving circuit and object positioning device

## PILOT ULTRA

### Portable exhaust chamber

Overspray collectors: multilayer filter mats made of recycled paper

#### Advantages:

- Space-saving design – high performance
- Exhaust can be mounted on the left or right side
- Lateral air baffles which can be used as closing doors

Save energy: Small parts are coated in small booths.



Dimensions and performance table PILOT ULTRA

Working width (fully open)	2.000 mm
Filtering space	812 mm
Overall height	1.721 mm
Overall depth	780 mm
Exhaust	max. 3.500 m <sup>3</sup> /h
Motor	0.75 kW / 400 V
Overall weight	135 kg

Subject to technical modifications.

#### Optional:

- Turntables
- Motor circuit-breaker
- Spray guns, material feed systems
- Consumables: strippable coating, filters





# Combo Booths

## PILOT Smartline: particularly cost-efficient combo booth



### Optional:

- Complete floor grid
- Length 5 m, 5.5 m, 6 m ... 8.5 m
- Gate, additional escape door
- Paint storage and paint conveyor system
- WALTHER PILOT application system
- Consumables: strippable coating, filters

### Dimensions and performance table PILOT Smartline

Dimensions usable space	7.000 x 3.860 x 2.800 mm
Entry gate size	2.940 x 2.760 mm, integrated escape door
Fresh air volume	29.200 m <sup>3</sup> /h
Exhaust air volume	28.700 m <sup>3</sup> /h
Lighting	4 - 6 lamps in 60° bevels
Heating	Oil or gas
Walls	Enameled panels
Versions	Surface-mounted or underfloor installation

Subject to technical modifications.

## Spray booths with water-wash function



Surface-mounted installation type 6022



Underfloor installation type 6850



# Industrial Facilities with Low Energy Consumption

## Energy-efficient installation for industrial series production

The painting installation at Braun & Schirm GmbH & Co. KG in Nalbach, Germany consists of two spray booths and one dryer booth. The installation uses energy-efficient gas heating. A cross-flow heat exchanger recovers up to 38% of the input heat.



Heat recovery using cross-flow heat exchanger



Large components are coated in booth no. 1



Booth no. 2 is used for smaller components. The air volume required per the coating of a part is low. Energy costs could be reduced.



## 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 draught.

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. Drizzle-resistant filter mats are installed inside the air distribution ducts to ensure that no dust particles can impair the finish quality.



## Dryer rooms and booths

- Modular design for precisely tailored product solutions
- Folding, sliding or rolling doors – according to requirements
- High efficiency, top-quality insulation
- One-stop solutions
- Heatable up to 80°C
- Delivery and installation of ventilation systems and exhaust air ducts
- Thermostat and airflow rate measurement for fault protection, including audible notice 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 efficient, user-friendly and environmentally sound complete solutions.



## 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 transport trucks and supporting structures according to building regulations.

# Accessories for Spray Booths

## Part

## Part No.

### Exhaust Stack Components

We offer standardized components for exhaust systems. There are standards and regulations concerning piping systems. Please feel free to contact us. Ducts are available in the following diameters: 160, 250, 355, 400, 500, 630 and 800 mm

Custom sizes available on request.

### Control cabinets and switches

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

### Lamps (ATEX or non-ATEX versions)

Suitable lighting is essential for top-quality production

### Rotary tables, 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 fibreglass mats) available on request.

### Bag-type filters for intake air

Filter grade G3, various sizes available. Especially important for combo-booths.

### Booth protection

Strippable coating, white, 10 liters water-based

Strippable coating, white, 20 liters water-based

Strippable coating, transparent, 5 liters water-based

Strippable coating, transparent, 10 liters water-based

Floor strippable 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

AFR 030 10 101

AFR 030 10 102

AFR 030 10 201

AFR 030 10 202

AFR 030 10 300

AFR 030 20 100

AFR 030 10 310

AFR 030 10 325

AFR 030 40 100

AFR 030 40 110

V 94 210 66 002



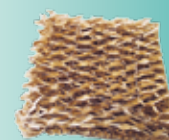
Control circuit for exhaust air system



ATEX explosion-protected lamp with 3 fluorescent tubes (1000 lux)



Positioning aid



Multilayer filter mats



Bag-type filters



Strippable coating



Cover sheeting



Aluminum paper



# Solvent Recovery



**Part**

**Part No.**

## Distillation units

*Recycled solvents can be used in a variety of areas to clean and degrease equipment. This saves costs and VOC values remain below limits. Solvents are evaporated in an indirectly heated, stainless steel boiler. The steam is led over 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 ATEX directives

### Distillation units have significant advantages:

- Cost savings
- Environmental protection by lowering VOC emissions
- Compliance with emission limits
- Amortization within a very short time



Distillation unit D 12

### 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

GTD 012 A0 000

GTD 012 AX 000



Distillation unit D 25

### 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

GTD 025 A0 000

GTD 025 AX 000



Distillation unit D 60

### 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

D 60: stainless steel radiator

GTD 060 AX 000

### 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

D 120: stainless steel radiator

GTD 120 AX 000

Other dimensions and versions on request.



Vacuum supply

## Vacuum supply

Required for use with thermally unstable solvents, solvents with a boiling temperature above 180°C, an ignition temperature below 300 °C, when the temperature difference between boiling and ignition temperature is < 30°C and for use with solvents containing nitrocellulose.

## Polythene bags (not shown)

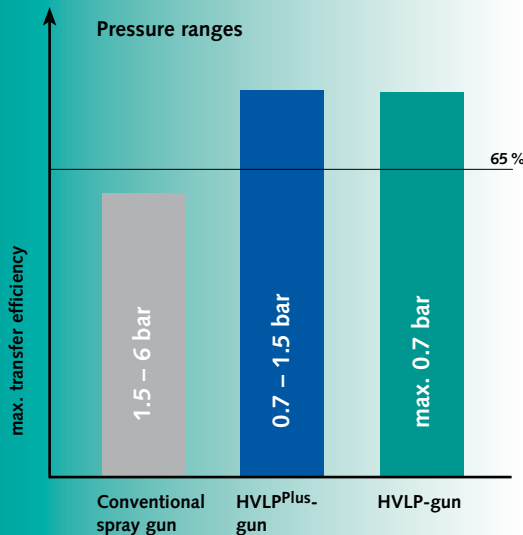
Facilitate easy removal of paint residues after distillation.



# Health and Safety

Part	Part No.	
<b>Masks</b> <b>Pilot 250 respiratory protection half-mask, without filter</b> <b>Pilot 550 special protection hood</b> <b>Combination filter A1/P2 for masks 250 and 550</b> <b>Dust protection mask Pilot 10 FFP2,</b> pack of 20 masks <b>Dust protection mask Pilot 20 FFP3 with exhalation valve,</b> pack of 5 masks	V 77 250 00 000 V 77 550 00 000 V 77 250 00 100 AFR 010 30 100  AFR 010 30 200	 Respirator mask 250 with combination filter A1/P2
<b>Disposable half-mask with double filter</b> Ultra-lightweight complete mask, for protection from gases, vapors and particles. Easy handling.	AFR 010 50 100	 Disposable half-mask
<b>Half-mask with replaceable double filter</b> Bayonet catch for easy filter change, low-maintenance, lightweight mask body. Filter not included Sizes: 6200 (M), 6300 (L) <b>Half-mask type 6000</b> Various filters can be combined according to purpose (gases, vapors, particles).	AFR 010 50 110	 Half-mask with replaceable double filter
<b>Fine air filters 5925 P2, pack of 20</b> protection from fine particulate up to 10 times the limit values.	AFR 010 50 112	
<b>Fine air filters 5935 P3, pack of 20</b> in combination with half-masks protection from fine particulates up to 30 times the limit values	AFR 010 50 111	
<b>Gas filter 6055 A2 pack of 1</b> Organic vapors with boiling point above 65°C	AFR 010 50 113	
<b>Filter caps 5000 pack of 2</b> required for A2/P2 and A2/P3 combinations.	AFR 010 50 114	 Air hood Pilot 600
<b>Pressurized air respiratory protection</b> <b>Pilot 600 respiratory protection hood, for pressurized air supply</b> <b>Activated carbon filter unit for Pilot 600</b>	V 77 600 00 000 V 77 200 00 100	 Scott ProFlow 2 Ex
<b>Fan-type powered air respiratory mask</b> Powered-air respirator for working in potentially explosive atmospheres. Free, mobile working; no supplementary hose needed. Constant and reliable air supply, electronically controlled air flow. <b>Powered-air respirator mask Scott "ProFlow 2 Ex", complete,</b> optionally with: <b>Face shield Scott Automask</b> <b>Scott Flowhood 3 hood with folding visor</b>	AFR 010 10 300	 Flowhood
		 Automask
<b>Protective overalls and gloves</b> <b>"Allround" protective overalls, white, size L / XL / XXL / XXXL</b> <b>"Lucky" protective overalls, white/grey, size L / XL / XXL / XXXL</b> <b>"Solve" protective gloves, protection up to the elbow,</b> slip-resistant palm, length: 330 mm, easy and safe working	AFR 010 20 100 AFR 010 20 200 AFR 010 40 110	 Leon
<b>"Leon" protective gloves,</b> chemically resistant, good sense of touch, very durable, breathable back of hand	AFR 010 40 100	 Solve
		 "Allround" protective overalls

# Information on WALTHER PILOT Application Technology



New: HVLP<sup>Plus</sup> with high transfer efficiency



This symbol stands for particularly eco-friendly products



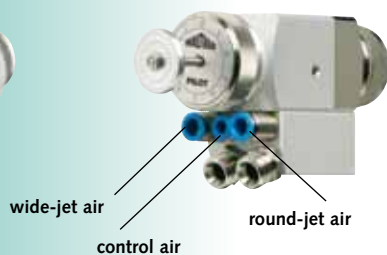
Automatic spray gun PILOT WA 800 with internal control



Automatic spray gun PILOT WA 800 for external control



It is advisable to keep a second PILOT WA 800 without adapter plate in stock.



## Pressure versions for air-atomizing spray guns:

### Conventional atomizing:

Spraying material is atomized at pressures of between 1.5 and 8 bar.

### Medium-pressure and HVLP<sup>Plus</sup>:

Spraying material is atomized at pressures of between 0.7 and 1.5 bar. HVLP<sup>Plus</sup> achieves especially fine atomization.

### HVLP:

Spraying material is atomized at pressures of up to 0.7 bar.

The air input pressure in medium-pressure, HVLP plus and HVLP is approx. 3.5 bar. HVLP and HVLP<sup>Plus</sup> allow you to achieve a particularly high transfer efficiency, thus saving material and compressed air.

## Automatic spray guns with internal control

In automatic spray guns with internal control, the spraying air is controlled by an integrated valve. 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 merely 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 or to use the spraying air to air-blast the object.

## Automatic spray guns with a diaphragm

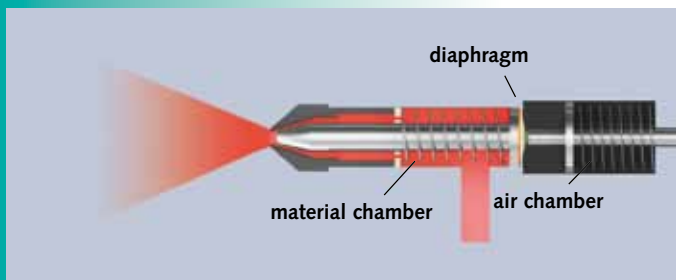
The diaphragm spray gun is an alternative to spray guns with a needle. Due to the diaphragm, the material-carrying parts of the gun are hermetically separated from the air-side components. There is no needle going through the gun. The gun is opened by a pneumatic pulse. This relieves the pressure from the rear spring located in the air chamber. 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 XV-Membrane (see p. 15)

PILOT WA Signier-Membrane (see p. 18)



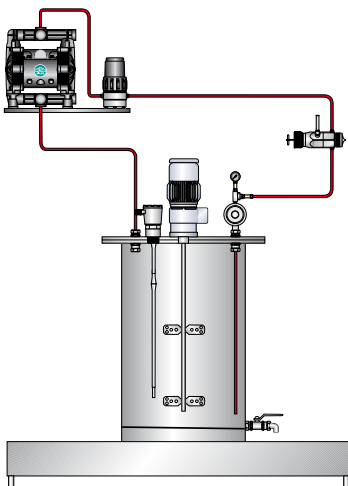
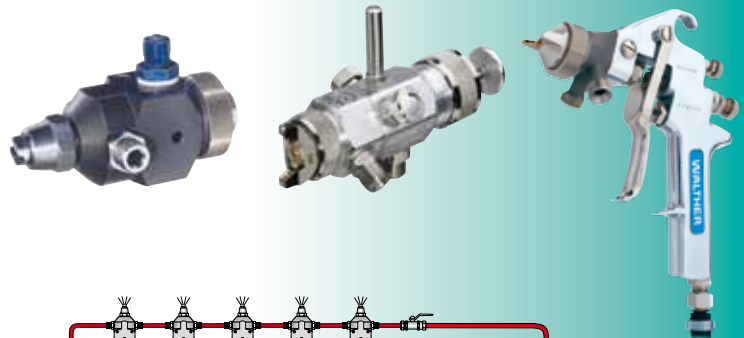
## Mounting systems for automatic spray guns

Matching mounting systems are available for 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.

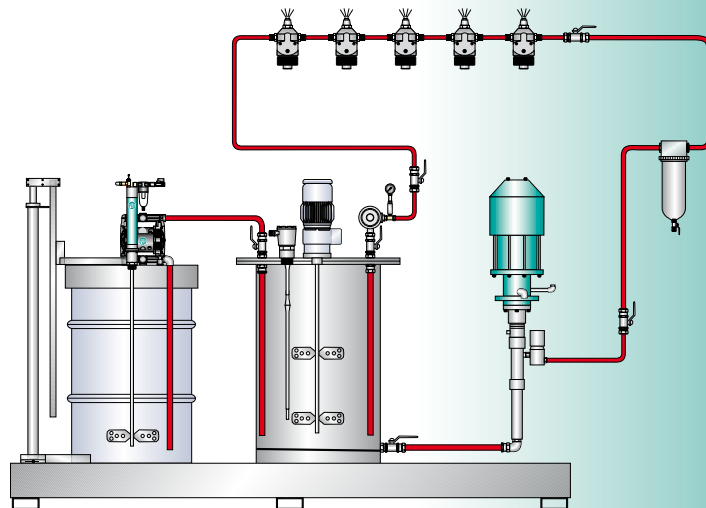


## Spray guns for recirculation systems

The material is pumped from the container to the spray guns. After the last spray gun, the material returns to the container via a back-pressure controller. This means that the material is constantly in circulation and does not settle in the lines.



Connection diagram: low-pressure recirculation system



Connection diagram: high-pressure recirculation system

## 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.

**Spare parts are  
guaranteed to be  
available for 10 years.**



## Repair kits

A repair kit consists of all wearing parts.



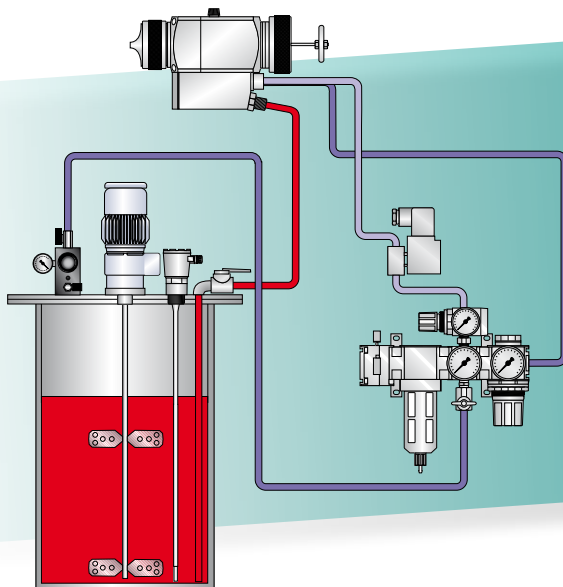
## Experimental laboratory

The optimum coating technologies are developed in the state-of-the-art WALTHER PILOT experimental laboratory. These services are normally offered free of charge to our customers.



**WALTHER PILOT offers equipment, expert advice and service.**  
You can be assured to have quality that lasts, e.g. with our 10-year availability guarantee for spare parts.

# WALTHER PILOT



Design your automatic spraying system together with us.  
The WALTHER PILOT product range includes all the components you need.

Cut costs without compromising on quality.



## The WALTHER PILOT Product Range



### Spray coating technology

- Manual spray guns
- Automatic spray guns
- Airless-equipment

### Compressed air supply

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

### Material transfer technology

- Material pressure tanks
- Paint mixing tanks
- Agitators
- Filling level sensors
- Pumping systems

### Two-components mixing installations

- Mechanical installations
- Electronically controlled installations

### Spray booths

- Combo booths
- Industrial spray booths with paint arrestors
- Water wash booths
- Drying systems
- Air make up units

### Protective equipment

- Masks
- Protective clothing



The Coatings Experts

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