



The Coating Experts

LOOKING FOR  
**JUST THE RIGHT  
PRODUCT?**



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Modular pressure tank principle · Examples of system solutions · Agitators  
Material transfer systems · Single component solutions  
Pneumatic control unit · Gun holders

## **PREFACE**

Plant engineering from WALTHER PILOT means complex system and problem solutions geared to your workflow in the sector of surface treatment. Individual components such as pressure tanks, agitators, material transfer systems, pneumatic control units and gun holders are combined here into individual assemblies. Let us optimise the individual assemblies together with you and improve your entire workflow – see for yourself!

Our strengths include solutions for a wide range of industries. We are proud of our diverse portfolio of tasks and cover requirements from food production all the way to the iron and steel industry. After all, our range of products is geared to quite different materials and can be used, for example, for chocolate just as much as for 4-component reaction paints.

Shaping the future of surfaces together with you belongs to our special goals. Our technology advances continuously; for example, we already process the next generation of materials with our equipment in leading research laboratories. You will benefit from this enormous know-how as well.

Our marketing staff and dealers in internal sales and field service look forward to your inquiry:

**We're glad to assist you!**

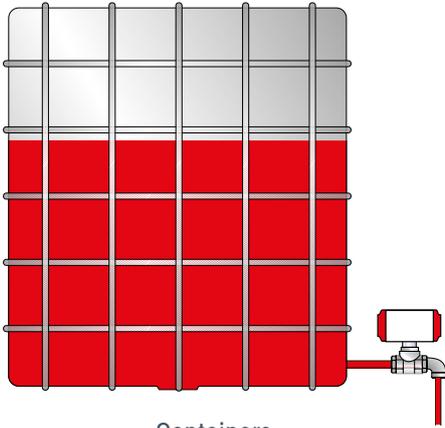
# CONTENTS

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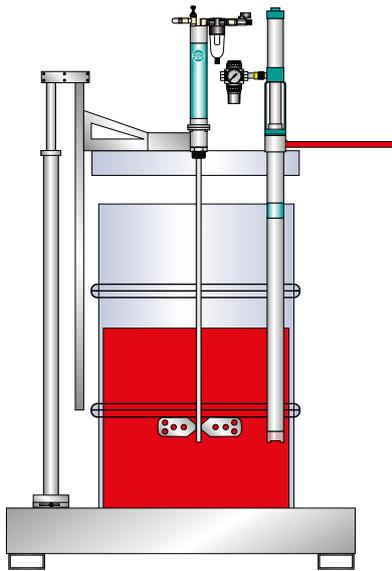
<b>PLANT ENGINEERING</b>	<b>4</b>
<b>1.0 SYSTEM SOLUTION EXAMPLES</b>	<b>6</b>
<b>2.0 MODULAR SYSTEMS</b>	<b>18</b>
2.1 Modular pressure tank systems	19
2.2 Pneumatic cover lifting equipment	32
2.3 Pans and rear walls	35
<b>3.0 AGITATORS</b>	<b>36</b>
3.1 Agitators in sample stations	37
3.2 Agitators for containers	38
3.3 Agitators without pans	41
<b>4.0 MATERIAL TRANSFER SYSTEMS</b>	<b>44</b>
4.1 Material transfer concepts	45
4.2 Mobile material transfer	48
4.3 Material transfer systems with pan	52
4.4 2-component material transfer systems	59
4.5 Electrostatic material transfer systems	62
4.6 Pump stations for high-viscosity media	64
4.7 Material and air distribution	65
<b>5.0 SINGLE PART SOLUTIONS</b>	<b>66</b>
5.1 Special tanks	67
5.2 Special guns	68
5.3 Special pan	70
5.4 Special lifts	70
5.5 Special accessories	71
<b>6.0 PNEUMATIC CONTROL UNIT</b>	<b>72</b>
<b>7.0 GUN HOLDERS</b>	<b>76</b>



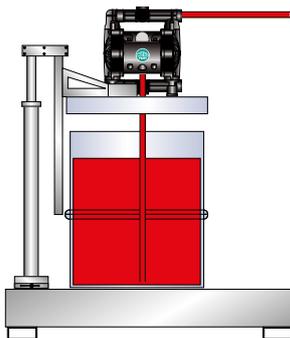
## DELIVERY TANK + TRANSFER PUMPS



Containers

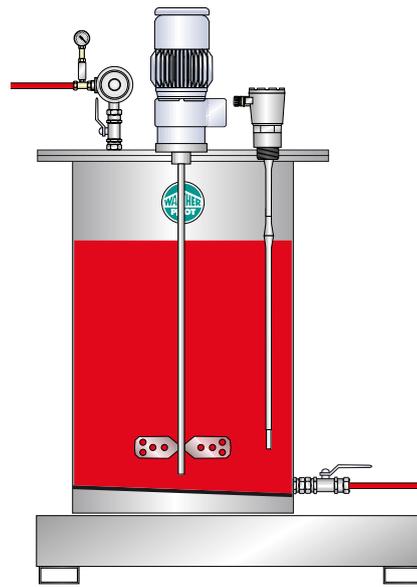


Barrel with lid lever

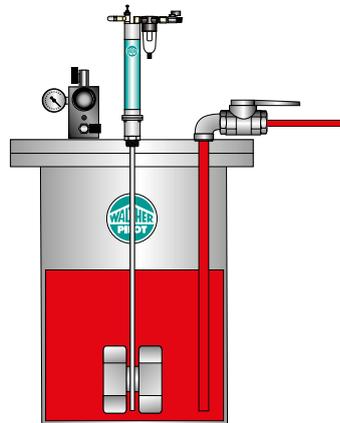


30 and 60 liters tanks with lid lever

## WORKING TANK

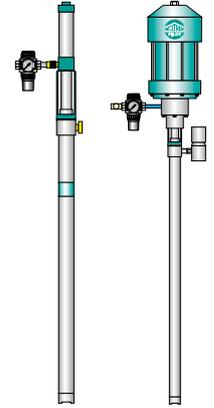


Paint mixing tank

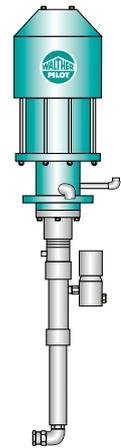


Material pressure tank

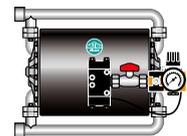
## PUMPS



Low pressure piston pump



High pressure piston pump



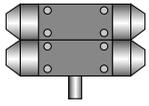
Pressure translated double diaphragm pump



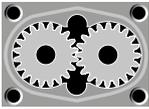
Double diaphragm pump

The presentation shows a selection of components that can be combined into a system.

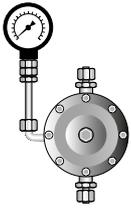
**PREPARATION**



Paint changer



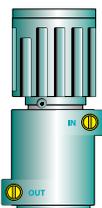
Volume counter



Material pressure regulator

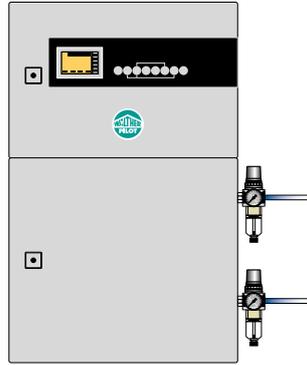


Material filter

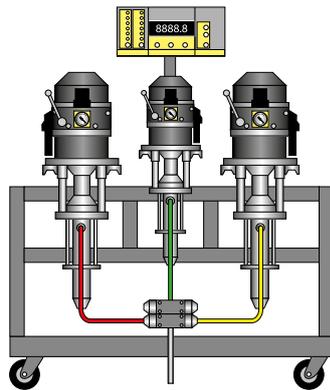


Flow heater

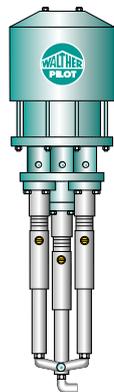
**DOSAGE**



Electronic dosing, variable mixing ratios

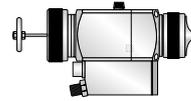
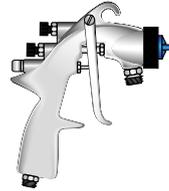


Electromechanical dosing, variable mixing ratios



Mechanical dosing, fixed mixing ratio

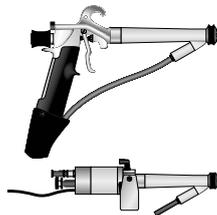
**APPLICATION**



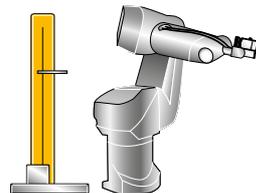
Air atomizing spray guns



Airless / AirCoat

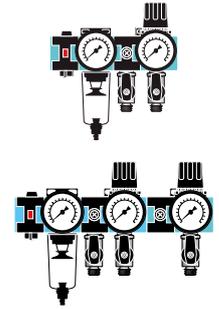


Electrostatics

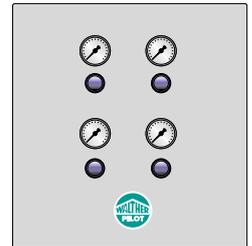


Lifting tower / robots

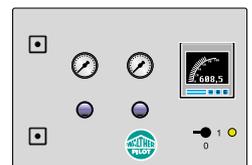
**CONTROL**  
Pneumatic/  
electronic



Air fittings



Pneumatic cabinet



Electro-pneumatic cabinet

1.0

# SYSTEM SOLUTION EXAMPLES

You have a request – we have the matching solution! We are your contact for all aspects of surface coating and adhesive processing. Let us show you how we generate a product solution from our modular system that optimally suits any condition: For example, our systems allow you to prepare, mix and apply coating material for processing. We have the right system, even for exhaust air. Utilising our modular system or custom solutions we develop your production line to become more efficient.

# 1.0 SYSTEM SOLUTION EXAMPLES



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

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



V 44 600 102 03

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

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

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



Easyflow (without illustration)

- ⓘ Free supply flow, without vacuum; the container must be at an elevated position.

Vakubond

V 44 600 04X XX

V 44 601 040 00



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

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



Demo package and mini-test lab rolled into one

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

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

Stainless steel pressure tank in modular design:

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





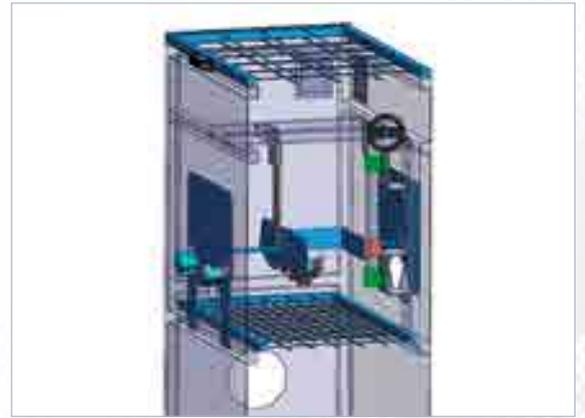
Mini spray booth with paint supply



View with controls and paint supply cabinet



Exhaust on the paint supply cabinet



Gun holder fixture with adjustable height via handwheel



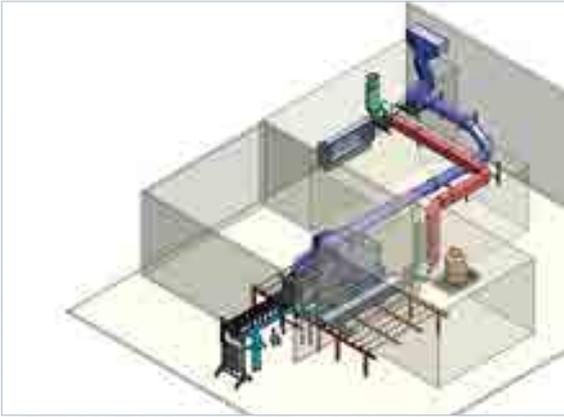
Paint supply with control and paint spray booth



Compressed air and paint supply cabinet



PTFE-coated gun holder with WA 600



Spray booth with exhaust and material supply



Closed spray booth

Open spray booth



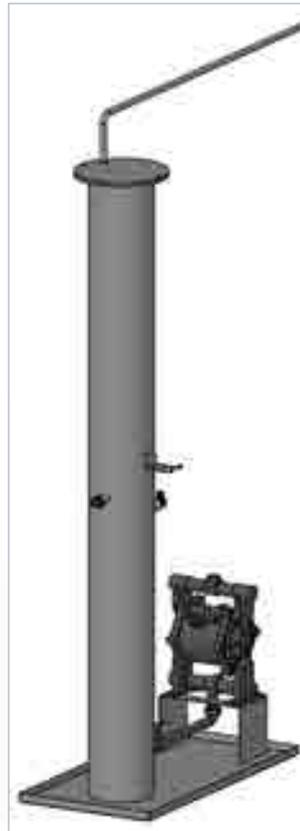
Spray booth open at customer site

## PUMP STANDPIPES

TYPE	PART NO.
Pump standpipe assembly 1100 X 200/284 MM VZ	V 63 110 000 12
Pump standpipe assembly 1100 X 286/370 MM VZ	V 63 110 002 22
Pump standpipe assembly 1300 X200/284 MM VZ	V 63 130 000 12
Pump standpipe assembly 1300 X 286/370 MM VZ	V 63 130 002 22
Pump standpipe assembly 1850 X 286/370 MM VZ	V 63 185 002 22
Pump standpipe assembly 2050 X 200/284 MM VZ	V 63 205 000 12
Pump standpipe assembly 2050 X 286/370 MM VZ	V 63 205 002 22
Pump standpipe assembly 1850 X 200/284 MM VA	V 63 185 000 13
Pump standpipe assembly 1850 X 286/370 MM VA	V 63 185 002 23
Pump standpipe assembly 2050 X 200/284 MM VA	V 63 205 000 13
Pump standpipe assembly 2050 X 286/370 MM VA	V 63 205 002 23



Material supply from containers / pump standpipe Part No. V 63 205 000 13



Pump standpipe



Filling of flammable liquids in bottles in exhaust cabin



Mixing tank with control



Automatic guns with horizontal linear unit



Material guiding



Water-wash spray booth with material supply



Cut-off plates for wet separation type KSN



Exhaust cabin with linear unit (horizontal gun movement)



Linear unit for installation above exhaust booth



Installation of 4 paint supplies in heated containers



Container from outside



Delivery of material in large containers



Pump station with electronic scales



Installation of 2 paint supplies in container



With 2 removal stations and 2 stirring stations



Container from outside



Spray booth with rotary table and vertical gun movement



Laboratory spray table Part No. 23 862 58



System with 4 paint colours for pipe marking



Paint supply cabinet



Pneumatic control with installed flushing gun



Spray table, revolving turntable with 4 workpiece holders



Paint supply with circulation



System with 7 guns





Small marking device, outside view **Part No. 23 322 72**



Small marking device, inside view **Part No. 23 322 72**



Small spraying system with linear drive **Part No. 23 929 10**



Material and compressed air supply



With special stirrer blade

2.0

# MODULAR SYSTEMS

We have designed our product portfolio for you as modular system. This ensures economically priced and flexible solutions for you because we attach the greatest importance to a wide range of operating options of our products. We can set up pressure tank systems for you as modular concept adapted to your requirements. This lets you quickly respond to changing circumstances. In addition, you can also adapt and expand your system to your budget – let us convince you of our great price-performance ratio.

Our products not only follow a systematic concept regarding their configuration but are also flexible when it comes to shipping: The modular systems in the area of lifts, agitators and pans are already combined into corresponding shipping sets at our warehouse and are delivered just-in-time.

- 
- 2.1 MODULAR PRESSURE TANK SYSTEMS
  - 2.2 PNEUMATIC COVER LIFTING EQUIPMENT
  - 2.3 PANS AND REAR WALLS

## 2.1 MODULAR PRESSURE TANK SYSTEMS

This innovative concept for configuring pressurized tanks makes for flexible integration into the customer's production operations. The tanks form a "building block" system so that a large number of optional accessories can be attached. Examples include agitators, fill level gauges and cover lifts.

The fact that we have these items in stock enables dispatch at short notice. The containers are manufactured from stainless steel and are available in several standard sizes. All the tanks are equipped with quick closures (swing-bolt fasteners).

The MDG 22 and 45 models feature an inlet connection, too. Also new at WALTHER PILOT are low-energy, air-driven agitators which, compared with conventional agitators, use only about half the energy.



KLA MDG 22 on wheels

TYPE	MAX. PRESSURE	CAPACITY APPROX.	VERSION
MDG 1	3 bar / 43.5 PSI	1.1 liters	With and without agitator
MDG 3	3 bar / 43.5 PSI	2.5 liters	Without agitator
MDG 8	4 bar / 58 PSI	6.4 liters	With and without agitator
MDG 22	6 bar / 87 PSI	19.5 liters	With and without agitator
MDG 45	6 bar / 87 PSI	42.5 liters	With and without agitator



With hinged cross-grip lock by default.

Fast opening and closing with hinged cross-grip lock.

### EXAMPLES

### MDG 45 KLA without attachments



MDG 8 KLA with air-driven type 46-810 agitator, capacitive fill level sensor as well as bottom valve for filling and two additional upper valves for material recirculation.



MDG 22 KLA with air-driven type 46-810 agitator, air inlet fittings with two additional regulators, as well as a splitter with two ball valves to connect two spray guns. The tank is equipped with castors and hand grips for portable use.



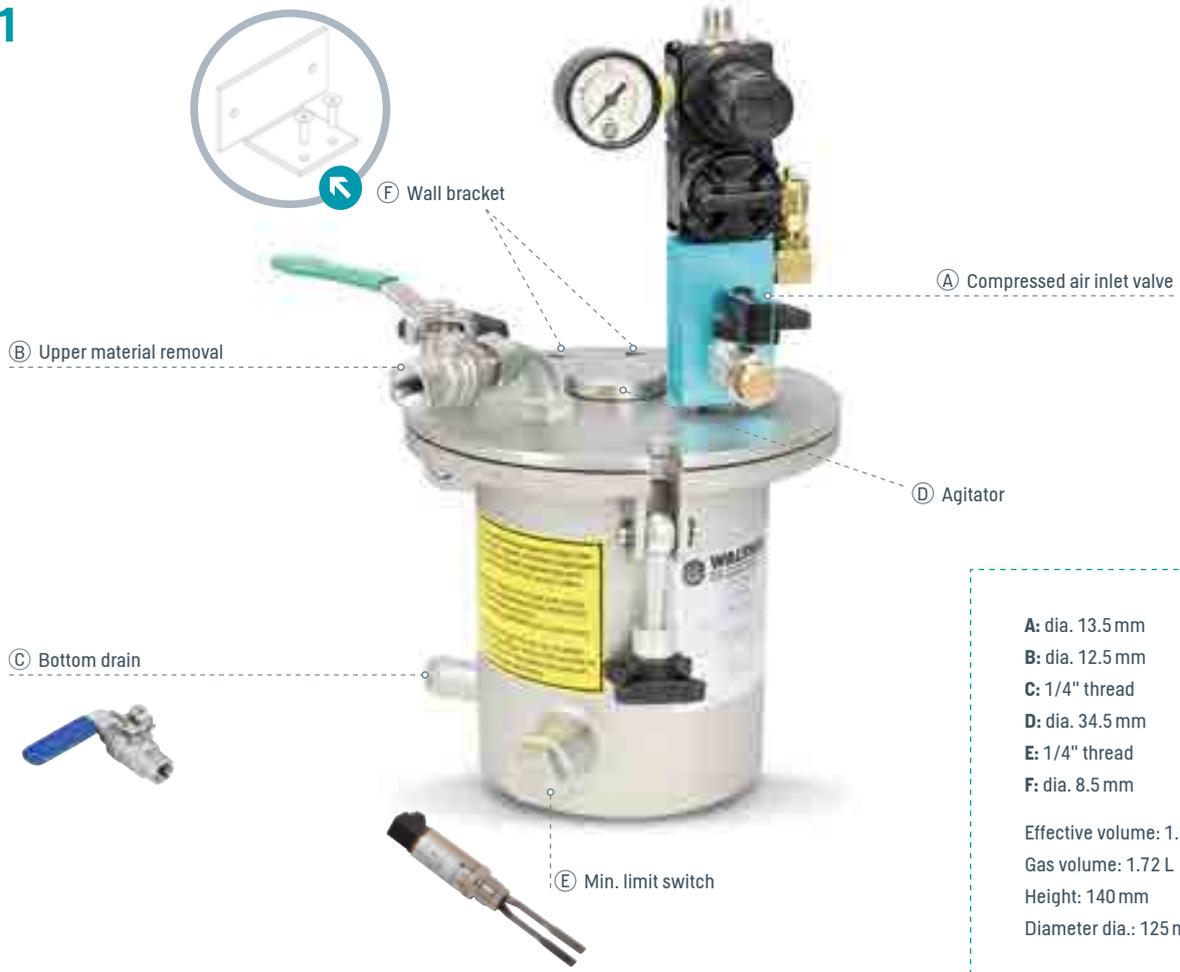
MDG 45 KLA with air-driven type 46-735 agitator along with tuning fork sensor to protect against overfilling. Fill at the bottom valve. The two upper valves for material recirculation - feed and return.



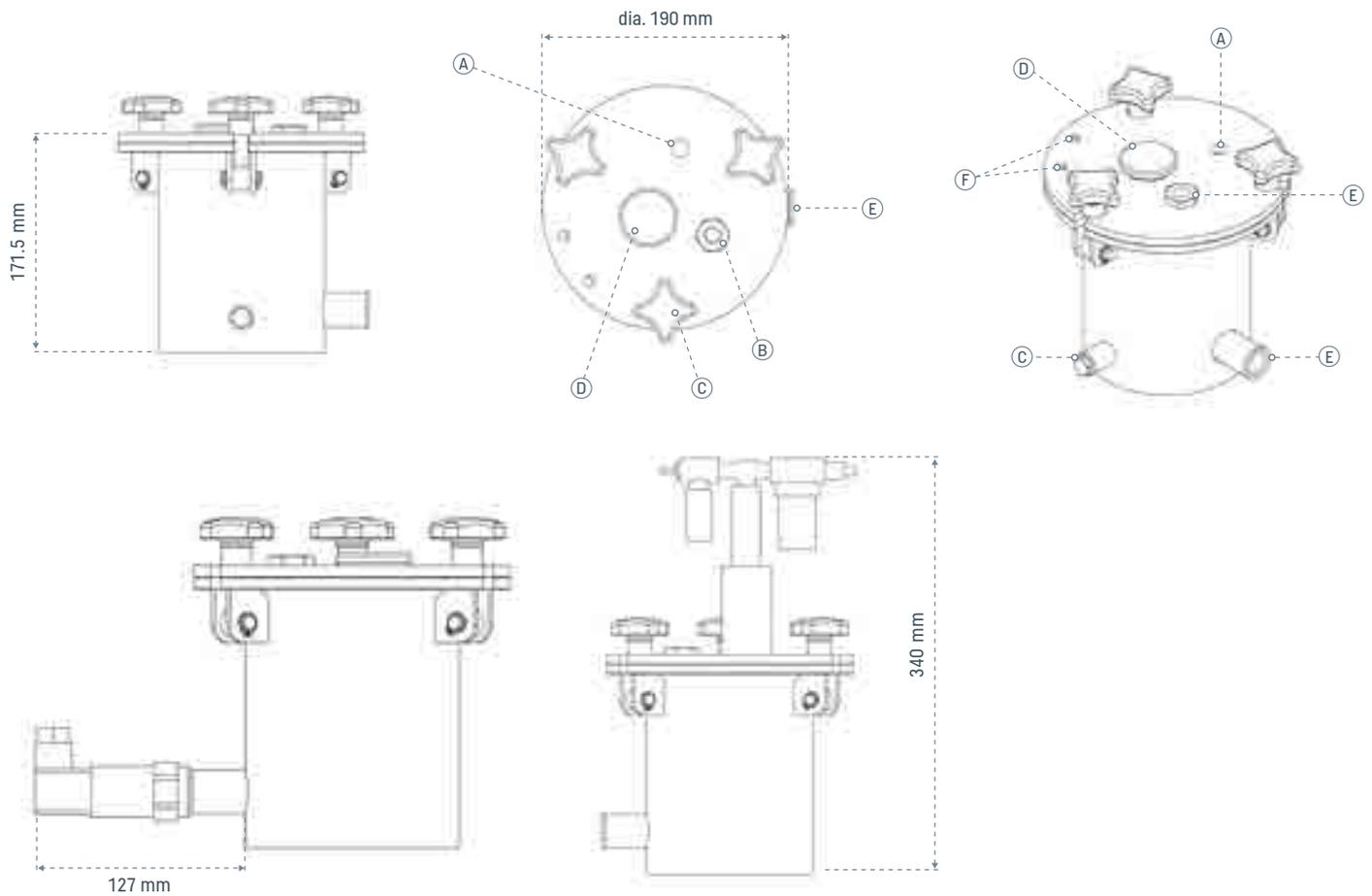
MDG 1 KLA

MDG 3 KLA

# MDG 1



**A:** dia. 13.5 mm  
**B:** dia. 12.5 mm  
**C:** 1/4" thread  
**D:** dia. 34.5 mm  
**E:** 1/4" thread  
**F:** dia. 8.5 mm  
  
 Effective volume: 1.1 L  
 Gas volume: 1.72 L  
 Height: 140 mm  
 Diameter dia.: 125 mm

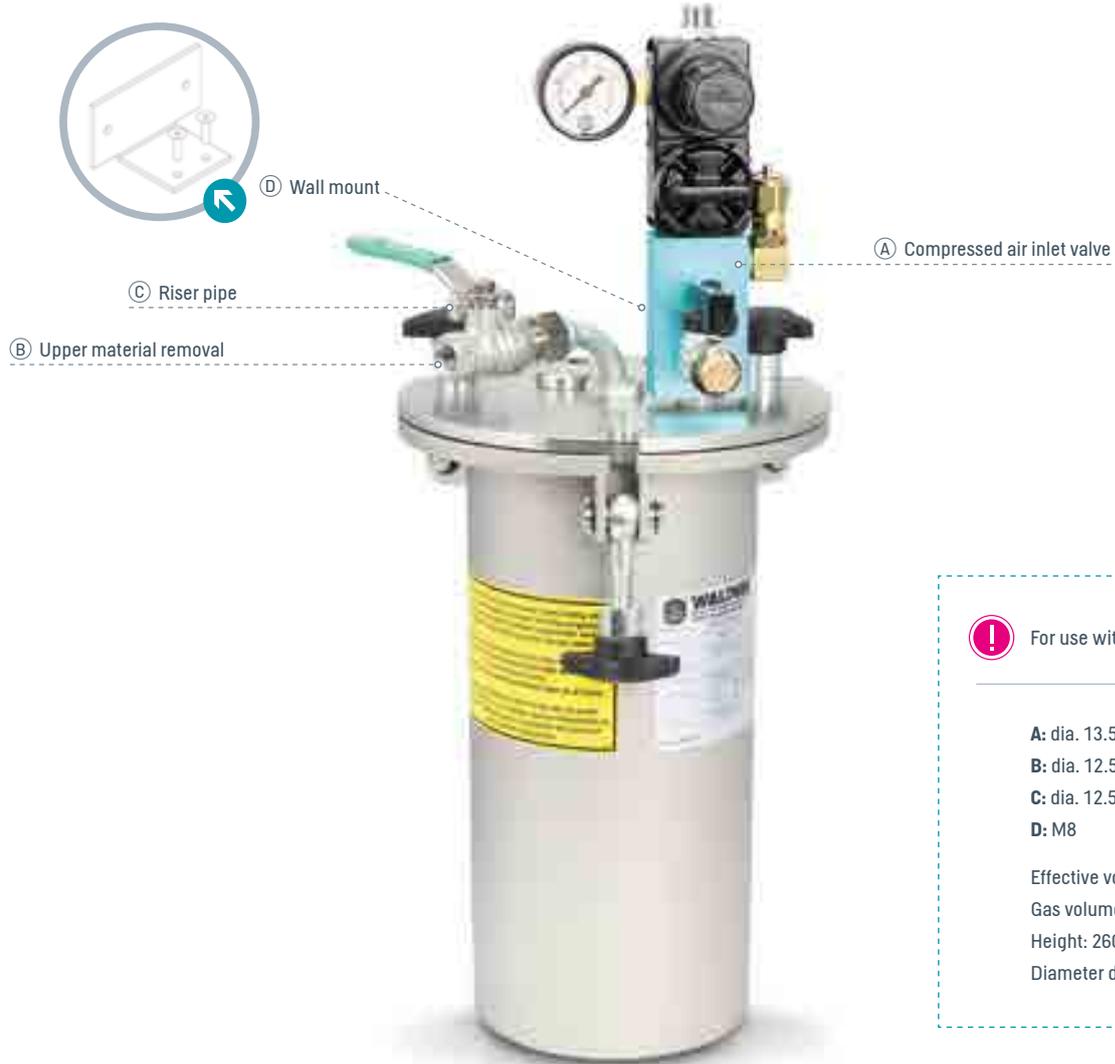


CONNECTIONS / EQUIPMENT		PART NO.	DESIGNATION	FIGURE	APPLICATION
MDG 1		V4012330013	Material pressure tank 1		<ul style="list-style-type: none"> <li>• For material supply</li> <li>• Max. operating pressure 3 bar / 43.5 PSI</li> <li>• Max. permitted operating temperature of 50 °C</li> </ul>
Compressed air regulation	A		DEA0 MDG-KLA 3 bar / 43.5 PSI		<ul style="list-style-type: none"> <li>• Compressed air inlet fitting for the tank</li> <li>• Max. connection cross-section is dia. 4 mm</li> <li>• Without regulator</li> </ul>
		2345941	DEA1 MDG-KLA 3 bar / 43.5 PSI		<ul style="list-style-type: none"> <li>• Compressed air inlet fitting for the tank</li> <li>• Control range 0.5 – 3.0 bar / 7.2 – 43.5 PSI</li> </ul>
		2345942	DEA precision regulator 3 bar / 43.5 PSI (1)		<ul style="list-style-type: none"> <li>• Precision pressure regulator for the tank</li> <li>• Control range 0.05 – 3.0 bar / 0.7 – 43.5 PSI</li> </ul>
Material withdrawal	B		Riser pipe with a 1/4" shut-off valve		<ul style="list-style-type: none"> <li>• To supply one consumer</li> <li>• Suitable for materials with a viscosity of up to 1000 mPa.s</li> </ul>
			Conversion kit with 2- way distributor and a shut-off valve		<ul style="list-style-type: none"> <li>• To expand an existing riser pipe to supply two consumers</li> <li>• Suitable for materials with a viscosity of up to 1000 mPa.s</li> </ul>
	C		1/4" shut-off valve for the lower outlet		<ul style="list-style-type: none"> <li>• To supply one consumer</li> </ul>
Agitator	D	V4620040013	Pneumatic agitator, DRW 0.16 kW 46-200 ex VA, max. 400 rpm operating pressure 1 – 6 bar / 14.5 – 87 PSI (2)		<ul style="list-style-type: none"> <li>• For the brief stirring of low-viscosity materials</li> <li>• Can be used in explosion hazard areas (Zone 0+1) &lt; 1000 mPa s</li> </ul>
Min. limit detection	E	2318982	Vibrating tuning fork probe 230 V, AC, not Ex-protected		<ul style="list-style-type: none"> <li>• To detect the minimum fill level in the tank</li> </ul>
		2317724	Vibrating tuning fork probe 24 V, DC, not Ex-protected		<ul style="list-style-type: none"> <li>• To detect the minimum fill level in the tank</li> </ul>
	F	2345943	Wall mount		<ul style="list-style-type: none"> <li>• For mounting on a wall</li> </ul>

(1) : not in combination with the agitator

(2) : not in combination with the DEW Precision

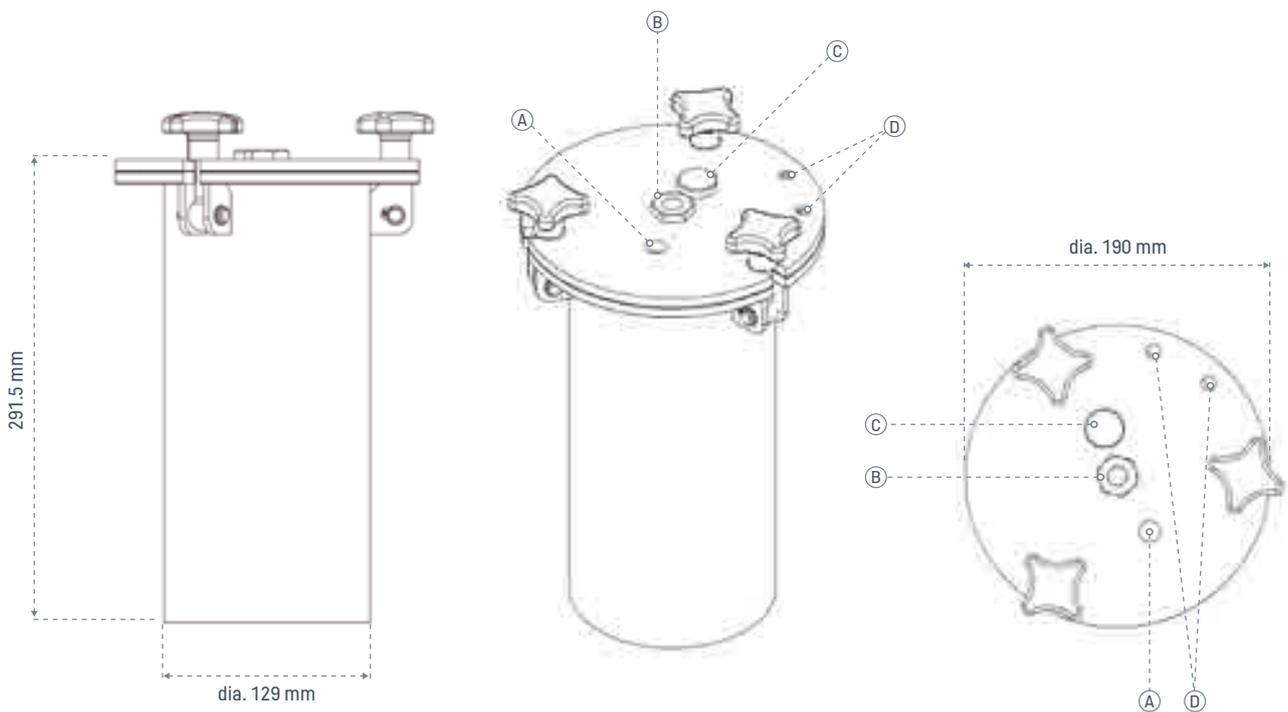
# MDG 3

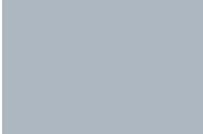


**!** For use with 1 liters bottle

A: dia. 13.5 mm  
 B: dia. 12.5 mm  
 C: dia. 12.5 mm  
 D: M8

Effective volume: 2.5 L  
 Gas volume: 3.2 L  
 Height: 260 mm  
 Diameter dia.: 125 mm



CONNECTIONS / EQUIPMENT		PART NO.	DESIGNATION	FIGURE	APPLICATION
MDG 3		V4413330013	Material pressure tank 3		<ul style="list-style-type: none"> <li>• For material supply</li> <li>• Max. operating pressure 3 bar / 43.5 PSI</li> <li>• Max. permitted operating temperature of 50 °C</li> </ul>
Compressed air regulation	A		DEA0 MDG-KLA 3 bar / 43.5 PSI		<ul style="list-style-type: none"> <li>• Compressed air inlet fitting for the tank</li> <li>• Max. connection cross-section is dia. 4 mm</li> <li>• Without regulator</li> </ul>
		2345941	DEA1 MDG-KLA 3 bar / 43.5 PSI		<ul style="list-style-type: none"> <li>• Compressed air inlet fitting for the tank</li> <li>• Control range 0.5 – 3.0 bar / 7.2 – 43.5 PSI</li> </ul>
		2345942	DEA precision regulator 3 bar / 43.5 PSI		<ul style="list-style-type: none"> <li>• Precision pressure regulator for the tank</li> <li>• Control range 0.05 – 3.0 bar / 0.7 – 43.5 PSI</li> </ul>
Material withdrawal	B/C		Riser pipe with a 1/4" shut-off valve		<ul style="list-style-type: none"> <li>• To supply one consumer</li> <li>• Suitable for materials with a viscosity of up to 1000 mPa.s</li> </ul>
			Conversion kit with 2-way distributor and a shut-off valve		<ul style="list-style-type: none"> <li>• To expand an existing riser pipe to supply two consumers</li> <li>• Suitable for materials with a viscosity of up to 1000 mPa.s</li> </ul>
					<ul style="list-style-type: none"> <li>• Return flow KH + PTFE hose (adapter)</li> </ul>
Handling	D	2345943	Wall mount		<ul style="list-style-type: none"> <li>• For mounting on a wall</li> </ul>



# OVERVIEW MDG 8 KLA

## STAINLESS STEEL IN MODULAR DESIGN



### AGITATORS

Complete with geared motor. For brief agitation: Type 46-810  
Air-powered geared agitator, 0.36 kW, max. 200 rpm, 17 Nm.  
Shaft and impeller: stainless steel

V 44 220 40 083

### SHAFT AND STANDARD IMPELLER

Type 44-220 standard, geared electric agitator, 0.12 kW, 60 rpm, max. 17 Nm, shaft and impeller: stainless steel

V 44 220 50 083

Other performance on request

### FILL LEVEL GAUGE TECHNOLOGY

Tuning fork sensor, long

23 209 25

Not explosion-proof

23 343 59

Capacitive fill level gauge

23 536 76

Not explosion-proof

23 536 63

### LIQUID TAPPING / FEED

Standard configuration:  
Riser tube, manifold,  
ball valve

23 457 48

Splitter with another ball valve  
(conversion kit)

23 457 51

Splitter with two ball valves  
(conversion kit)

23 457 52

**PRESSURE TANK**  
Max. operating pressure  
4 bar / 58 PSI

V 44 326 001 3

**INTAKE SIEVE**  
Mesh width 1.0 mm

V 44 220 09 520

Mesh width 1.8 mm

V 44 220 09 530

Bottom drain valve for materia

V 03 200 00 383

### COMPRESSED AIR INLET FITTINGS

Standard compressed air  
inlet fitting

23 537 46

Compressed air inlet fitting  
with second regulator to  
connect a spray gun

23 537 47

Compressed air inlet fitting  
with second and third  
regulators

23 537 48

Compressed air inlet fitting with  
precision regulator  
(max. 4 bar / 58 PSI)

23 537 49

### OVERFILL PROTECTION

Tuning fork gauge, short

23 186 23

Not explosion-proof

23 198 82

Tuning fork gauge, short,  
230 V AC, not explosion-proof

23 626 19

24 V DC 23 626 20

# OVERVIEW MDG 22 KLA

## STAINLESS STEEL IN MODULAR DESIGN



AGITATOR, COMPLETE WITH GEARED MOTOR

### FILL LEVEL GAUGE TECHNOLOGY

Where no insert bucket is used

Tuning fork sensor, long

23 259 87

Not explosion-proof

23 231 42

Capacitive fill level gauge

23 536 77

Not explosion-proof

23 536 73



Type 44-220 standard, geared electric agitator, 0.12 kW, 60 rpm, max. 17 Nm, shaft and impeller: stainless steel

V 44 220 50 223

Other performance on request



Type 46-835 air-powered, geared agitator with low energy consumption. 12 kW, 30 to 300 rpm, 4 Nm. Shaft and impeller: stainless steel

V 46 835 00 223

### LIQUID TAPPING / FEED

Standard configuration: Riser tube, manifold, ball valve

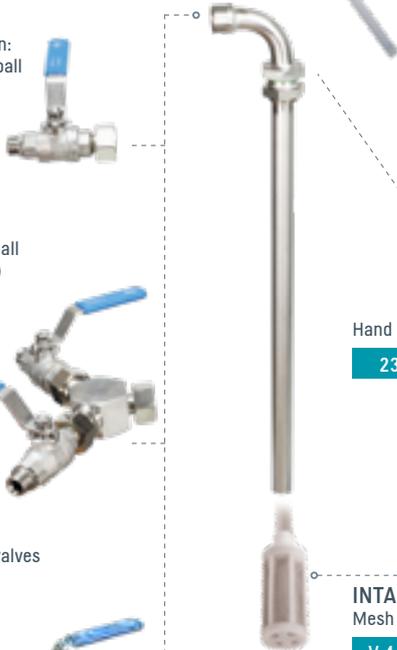
23 457 49

Splitter with another ball valves (conversion kit)

23 457 51

Splitter with two ball valves (conversion kit)

23 457 52



Hand grips

23 547 12

INTAKE SIEVE

Mesh width 1.0 mm

V 44 220 09 520

Mesh width 1.8 mm

V 44 220 09 530



PRESSURE TANK  
Max. operating pressure  
6 bar / 87 PSI

44 243 60 013

Bottom drain valve for material

23 457 53

5 castors

23 319 28



Holding arm for cover

PE 00 229 93 01

SHAFT AND STANDARD IMPELLER



For brief agitation: Type 46-810  
Air-powered, geared agitator,  
0.36 kW, max. 200 rpm, 17 Nm.  
Shaft and impeller: stainless steel

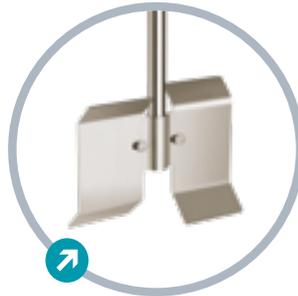
V 44 220 40 223



Air dryer, 1/4"

V 44 000 00 020

IMPELLERS



Blade-type impeller (standard)

V 42 115 01 123



Cup-type impeller (standard)  
Speed > 200 rpm necessary

23 376 63

COMPRESSED AIR INLET FITTINGS



OVERFILL PROTECTION  
Tuning fork gauge, short

23 186 23

Not explosion-proof

23 198 82



Standard compressed air inlet fitting

23 457 44



Compressed air inlet fitting with second regulator to connect a spray gun

23 457 45



Compressed air inlet fitting with second and third regulators

23 457 46



Compressed air inlet fitting with precision regulator (max. 4 bar / 58 PSI)

23 457 47



Insert bucket, stainless steel

V 43 002 200 03



Pneumatic cover lift  
See selection brochure

**!** IMPORTANT

Please inform us whether explosion protection is necessary for your container configuration. Will you be placing an insert bucket or original drums in the tank? We need this information since we may have to modify the length of the riser tube or the fill sensor technology.

**💡** Additional information and our selection brochure are available for download at

[WWW.WALTHER-PILOT.DE](http://WWW.WALTHER-PILOT.DE)



# OVERVIEW MDG 45 KLA

## STAINLESS STEEL IN MODULAR DESIGN



AGITATOR, COMPLETE WITH GEARED MOTOR

### FILL LEVEL GAUGE TECHNOLOGY

Where no insert bucket is used

Tuning fork sensor, long

23 235 52

Not explosion-proof

23 326 16

Capacitive fill level gauge

23 536 78

Not explosion-proof

23 536 74

Type 44-220 standard, geared electric agitator, 0.12 kW, 60 rpm, max. 17 Nm, shaft and impeller: stainless steel

V 44 220 50 453

Other performance on request

Type 46-735 air-powered, geared agitator with low energy consumption. 0.5 kW, 30 to 300 rpm, 16 Nm. Shaft and impeller: stainless steel

V 46 735 00 453

### LIQUID TAPPING / FEED

Standard configuration:  
Riser tube, manifold, ball valve

23 457 50

Splitter with another ball valves  
(conversion kit)

23 457 51

Splitter with two ball valves  
(conversion kit)

23 457 52

Hand grips

23 547 12

### INTAKE SIEVE

Mesh width 1.0 mm

V 44 220 09 520

Mesh width 1.8 mm

V 44 220 09 530

Bottom drain valve for material

23 457 54

### PRESSURE TANK

Max. operating pressure  
6 bar / 87 PSI

44 243 600 13

5 castors

23 319 28

Holding arm for cover

PE 00 459 93 01



## SHAFT AND STANDARD IMPELLER



For brief agitation: Type 46-810  
Air-powered, geared agitator,  
0.36 kW, max. 200 rpm, 17 Nm.  
Shaft and impeller: stainless steel

V 44 220 40 453



Air dryer, 1/4"

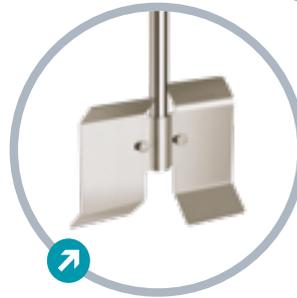
V 44 000 00 020

## IMPELLERS



Pitched blade impellers

V 44 250 00 053



Blade-type impeller (standard)

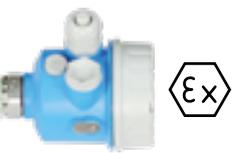
V 42 115 01 453



Cup-type impeller, PILOT Calix  
Speed > 200 rpm necessary

23 376 61

## COMPRESSED AIR INLET FITTINGS



### OVERFILL PROTECTION

Tuning fork gauge, short

23 186 23

Not explosion-proof

23 198 82



Standard compressed air inlet fitting

23 457 44



Compressed air inlet fitting with second regulator to connect a spray gun

23 457 45



Compressed air inlet fitting with second and third regulators

23 457 46



Compressed air inlet fitting with precision regulator (max. 4 bar / 58 PSI)

23 457 47



Insert bucket, stainless steel

V 43 004 50 003



Pneumatic cover lift  
See selection brochure

### ! IMPORTANT

Please inform us whether explosion protection is necessary for your container configuration. Will you be placing an insert bucket or original drums in the tank? We need this information since we may have to modify the length of the riser tube or the fill sensor technology.

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[WWW.WALTHER-PILOT.DE](http://WWW.WALTHER-PILOT.DE)



## ADDITIONAL OPTIONS

### SIMPLE CONTAINER CLEANING

	ARTICLE NO.	DESIGNATION	FIGURE	APPLICATION
Tank cleaning	2381980	System with 2 cleaning nozzles		<ul style="list-style-type: none"> <li>Simple cleaning of the tank from the inside (cover and jacket) through rotating nozzles</li> </ul>

### ANALYSIS UNIT POSITIONED IN THE CONTROL CABINET

	ARTICLE NO.	DESIGNATION	FIGURE	APPLICATION
Analysis unit	2348355	Analysis and display unit for measuring instruments in the Ex-protected area		<ul style="list-style-type: none"> <li>Recording and analysis of analogue variables</li> <li>Process control through relay monitoring</li> <li>Circuit and signal routing</li> <li>2 switching contacts</li> </ul>
Analysis unit	2348354	Analysis and display unit not Ex-protected		<ul style="list-style-type: none"> <li>Recording and analysis of analogue variables</li> <li>Process control through relay monitoring</li> <li>Circuit and signal routing</li> <li>2 switching contacts</li> </ul>
Analysis unit	2327430	Analysis and display unit for measuring instruments in the Ex-protected area		<ul style="list-style-type: none"> <li>Recording and analysis of analogue variables</li> <li>Process control through relay monitoring</li> <li>Circuit and signal routing</li> <li>Location of use: Outside the control cabinet</li> </ul>
	2322789	Analysis and display unit Not Ex-protected		
Switch isolator	2318975	Tens barrier		<ul style="list-style-type: none"> <li>Power supply 24 V DC of signal encoders via a two-wire cable</li> <li>Intrinsically safe signal circuits for problem-free use of measuring transducers in explosion-hazard areas</li> </ul>



Containers with tank cleaning



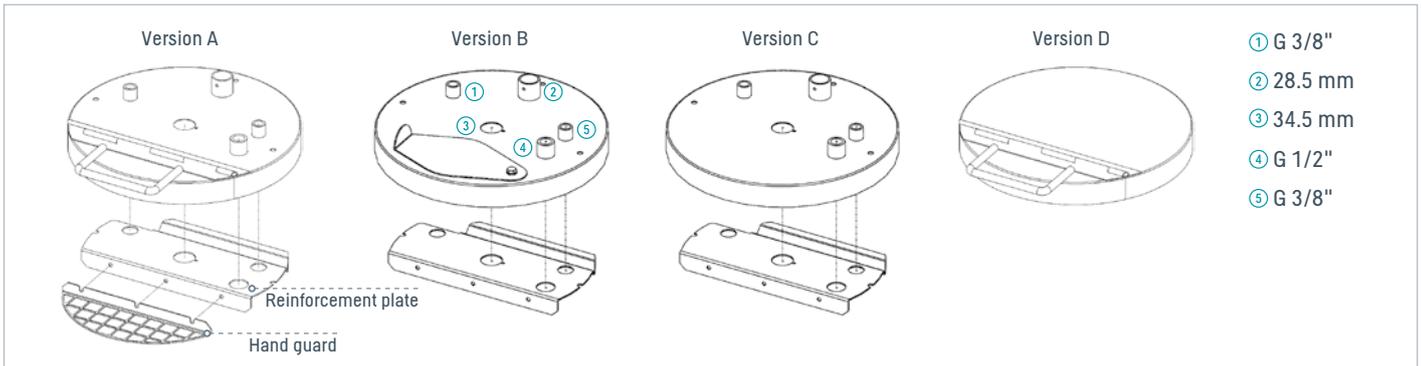
## 2.2 COVER LIFTING DEVICES



VERSION	EQUIPMENT	ARTICLE NO.
<b>PNEUMATIC DEFRICES</b>		
Without agiator	–	AE 40 100 812 0
With control for air-powered agiator	–	AE 40 100 812 1
With shut-off electric agiator	with PE converter	AE 40 100 812 2
Pneumatic defrices with two-hand operation	–	AE 40 000 810 3
Pneumatic defrices with two-hand operation and control for air-powered agiator	–	AE 40 000 810 1
Pneumatic defrices with two-hand operation and PE converter for electric agiator	with PE converter	AE 40 000 810 2
Tripod for two-hand control	painted steel	23 823 09
Holder for two-hand control	painted steel	23 888 15
Drum scan	necessary accessories for lifters with two-hand control and agiator	AE 40 000 810 0
Position switch	if no drum scan is used	23 922 22
<b>CYLINDERS SOLO</b>		
PE 510 / 6 bar / 87 PSI, max. 50 kg	for 30 liters	PE 05 100 000 0
PE 710 / 6 bar / 87 PSI, max. 75 kg	for 60 liters	PE 07 100 000 0
PE 710 rotating / 6 bar / 87 PSI, max. 50 kg	for material pressure tank	PE 07 101 000 0
PE 1010 / 6 bar / 87 PSI, max. 75 kg	for 200 liters	PE 10 100 000 0
PE 1510 / 6 bar / 87 PSI, max. 50 kg	for IBC* 500-1000 liters (only air-powered agiator)	PE 15 100 000 0
PE 1511 / 6 bar / 87 PSI, max. 75 kg	for IBC* 500-1000 liters (only electric agiator)	PE 15 110 000 0
<b>COVER HOLDING BRACKET</b>		
Cover holding bracket for hobcock cover 30 liters	30 liters	PE 05 009 930 0
Cover holding bracket for hobcock cover 60 liters	60 liters	PE 07 009 930 0
Cover holding bracket for drum cover 200 liters	200 liters	PE 10 009 930 0
Cover holding bracket for cover with air-powered agiator	IBC* 500-1000 liters (only air-powered agiator)	PE 15 009 930 0
Reinforced holding arm for cover with electric agiator	IBC* 500-1000 liters (only electric agiator)	PE 15 019 930 0
Cover holding bracket for MDG 22 KLA	–	PE 00 229 930 1
Cover holding bracket for MDG 45 KLA	–	PE 00 459 930 1
Cover holding bracket MDG 22	–	PE 00 229 930 0
Cover holding bracket MDG 12/24	–	PE 00 249 930 0
Cover holding bracket MDG 45/60	–	PE 00 459 930 0
<b>DRUM STOPPER</b>		
Drum stopper 30/60 Liters	30/60 liters	PE 05 009 920 0
Drum stopper 200 Liters	200 liters	PE 10 009 920 0
<b>BASE PLATE</b>		
Base plate 400 x 600 mm	30/60 liters	AE 40 000 908 2
Base plate 600 x 800 mm	200 liters	AE 40 000 908 1
<b>SUMP</b>		
Sump 120 Liters (painted)	653 x 993 x 335 mm	AE 40 100 000 1
Sump 120 Liters (stainless steel)	653 x 993 x 335 mm	AE 40 100 000 2
Sump 240 Liters (painted)	1300 x 993 x 335 mm	AE 40 100 000 3
Sump 240 Liters (stainless steel)	1300 x 993 x 335 mm	AE 40 100 000 4
Semi-frame construction 644 mm (painted) **	for pans 120 liters and 240 liters	AE 40 100 001 0

Semi-frame construction 644 mm (stainless steel) **	for pans 120 liters and 240 liters	AE 40 100 001 1
Sump 279 liters (painted)	1500 x 993 x 335 mm	AE 40 100 000 5
Sump 279 liters (stainless steel)	1500 x 993 x 335 mm	AE 40 100 000 6
Semi-frame construction 742 mm painted **	for pans 279 liters	AE 40 000 911 1
Semi-frame construction 742 mm stainless steel **	for pans 279 liters	AE 40 000 911 3
Pan gusset plate, right, galvanized		23 350 82
Pan gusset plate, left, galvanized		23 350 91
Pan gusset plate, right, stainless steel		23 424 21
Pan gusset plate, left, stainless steel		23 424 23
<b>CONTROL CABINETS</b>		
Electric control cabinet for electrical agitator on lifter (not Ex), motor output 0.12-0.18 kW		AE 40 000 910 0
Electric control cabinet for electrical agitator on lifter (not Ex), motor output 0.37-1.5 kW		AE 40 000 909 9
Electrical emergency stop pushbutton (Ex)	for mounting on a wall	WO 21 041 505 5

## DRUM COVER VERSIONS



VERSION	30 LITERS	60 LITERS	200 LITERS
<b>DRUM COVER</b>			
Version A	AE 20 230 461 8	–	AE 20 230 462 3
Version B	AE 20 230 462 0	–	AE 20 230 462 4
Version C	AE 20 230 462 2	–	AE 20 230 462 5
Version D (blank)	AE 20 230 446 4	–	AE 20 230 447 1
Version E (blank)	DO 50 200 004 0	DO 50 200 004 2	DO 50 103 014 3
<b>OPTION (only for version D and E)</b>			
Inspection hole	AE 40 000 907 1	AE 40 000 907 1	AE 40 000 907 2
Bung adapter 2"	–	–	AE 40 000 907 3
Other holes, sleeves etc.	On inquiry		
Reinforcement plate for agitator	23 925 63	23 490 82	23 927 76
Hand guard	23 928 62	–	23 928 53

❗ If agitators are mounted on covers with flap, a drum cover reinforcement with hand guard is required.

Adapter for agitator only DRW 46-730/-735/-845	AE 20 230 435 3	AE 20 230 435 3	AE 20 230 435 3
<b>AGIATOR</b>			
DRW 0,7 kW 1500 1/min. Lubricated	V 46 322 00 409	V 46 322 00 410	V 46 322 00 420
DRW 0,36 kW 200 1/min. Oil-free	V 44 220 40 303	V 44 220 40 603	V 44 845 00 203
DRW 0,36 kW 200 1/min. Lubricated	V 44 220 40 323	V 44 220 40 623	V 46 845 00 223
DRW 0,36 kW 300 1/min. Oil-free	V 44 220 40 313	V 44 220 40 613	–
DRW 0,36 kW 300 1/min. Lubricated	V 44 220 40 333	V 44 220 40 633	–
DRW 0,5 kW 300 1/min. Oil-free	V 46 735 00 313	V 46 735 00 613	V 46 735 00 213
DRW 0,55 kW 260 1/min. Oil-free	–	–	V 46 730 00 203
DRW 1,2 kW 1500 1/min. Lubricated, not explosion-proof	–	–	V 46 323 00 420
ERW 0,12 kW 60 1/min. 230/400V AC 50 Hz 3 PH	V 44 220 50 303	V 44 220 50 603	–
ERW 0,18 kW 100 1/min. 230/400V AC 50 Hz 3 PH	V 44 220 50 313	V 44 220 50 623	–
ERW 0,37 kW 100 1/min. 230/400V AC 50 Hz 3 PH	–	–	V 61 000 13 703
ERW 0,55 kW 100 1/min. 230/400V AC 50 Hz 3 PH	–	–	V 61 000 15 503
ERW 0,75 kW 100 1/min. 230/400V AC 50 Hz 3 PH	–	–	V 61 000 17 503

\* Other services, speeds and frequency control, impellers on request.

## DIAMETER IMPELLERS

VERSION	DIAMETER	WAVE		
		16 MM	20 MM	25 MM
<ul style="list-style-type: none"> <li>Blade type impeller</li> <li>Stainless steel 1.4301</li> </ul>	60 mm	V 42 115 01 013	–	–
	88 mm	V 42 115 01 043	–	–
	156 mm	V 42 115 01 123	–	–
	186 mm	V 42 115 01 453	–	–
<ul style="list-style-type: none"> <li>Pitched blade impeller</li> <li>Stainless steel 1.4301</li> </ul>	180 mm	V 44 250 00 053	–	–
	190 mm	V 44 250 00 043	V 44 250 00 143	–
	220 mm	V 44 250 00 063	–	–
	240 mm	V 44 250 00 013	V 44 250 00 113	–
	270 mm	V 44 250 00 023	V 44 250 00 123	V 61 270 02 503
	300 mm	V 44 250 00 033	V 44 250 00 133	V 61 300 02 503
	340 mm	V 44 250 00 003	V 44 250 00 103	V 61 340 02 503
	390 mm	–	–	V 61 390 02 503
	440 mm	–	–	V 61 440 02 503
<ul style="list-style-type: none"> <li>Pitched blade impeller foldable</li> <li>Stainless steel 1.4301</li> </ul>	220 / 115 mm	V 61 000 02 623	V 61 000 02 613	–
	335 / 125 mm	V 61 000 02 423	V 61 000 02 413	V 61 000 02 403
<ul style="list-style-type: none"> <li>Calix</li> <li>Stainless steel 1.4301</li> </ul>	186 mm	23 376 61	–	–
	130 mm	23 376 65	–	–
	210 mm	23 377 59	23 380 79	–
	320 mm	–	–	V 61 100 00 033
<ul style="list-style-type: none"> <li>Grid blade impeller</li> <li>Aluminium (not for the ex-area)</li> </ul>	220 mm	V 44 250 00 011	V 44 250 00 111	–
	356 mm	V 44 250 00 001	V 44 250 00 101	V 61 100 00 033
	503 mm	–	–	V 61 011 02 509

## COVER LIFTING DEVICES FOR PRESSURE TANKS MDG



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

## PE 710 FOR MDG 45 OR 60 SWIVELING (LIFT WITHOUT ATTACHMENTS)

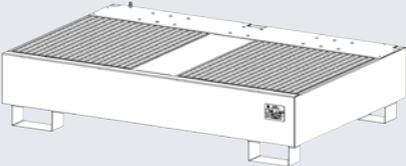
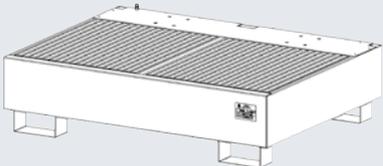
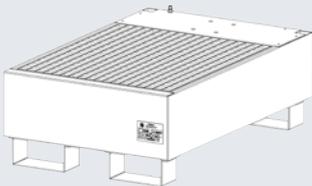
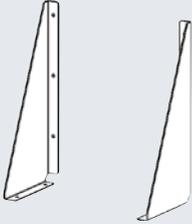
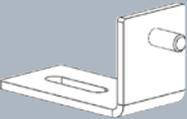
- ⊕ Drum sizes: up to 30-liters drums
- ⊕ Stroke: 700 mm
- ⊕ Max. stroke load: 75 kg
- ⊕ Max. op. pressure: 6 bar / 87 PSI
- ⊕ Max. height 1,874 mm

TYPE		PART NO.
WP Cover lifter MDG-12/24 ORW	Cover lifter	23 864 71
WP Cover lifter MDG-12/24 DRW	Cover lifter	23 864 72
WP Cover lifter MDG-12/24 ERW	Cover lifter	23 864 73
WP Cover lifter MDG-22 ORW	Cover lifter	23 864 74
WP Cover lifter MDG-22 DRW	Cover lifter	23 864 75
WP Cover lifter MDG-22 ERW	Cover lifter	23 864 76
WP Cover lifter MDG-45/60 ORW	Cover lifter	23 863 20
WP Cover lifter MDG-45/60 DRW	Cover lifter	23 863 21
WP Cover lifter MDG-45/60 ERW	Cover lifter	23 863 22
WP Cover lifter MDG-22 KLA ORW	WP Cover lifter	23 863 23
WP Cover lifter MDG-22 KLA DRW	WP Cover lifter	23 863 24
WP Cover lifter MDG-22 KLA ERW	WP Cover lifter	23 863 25
WP Cover lifter MDG-45 KLA ORW	WP Cover lifter	23 863 26
WP Cover lifter MDG-45 KLA DRW	WP Cover lifter	23 863 27
WP Cover lifter MDG-45 KLA ERW	WP Cover lifter	23 863 28

Basic equipment: Double-acting pneumatic lift cylinder, including attached choke valve outlet regulators; base plate for installation on the floor; chrome-plated piston rod with attached stop strip; including mounting material for holding arm installation.

To be ordered separately are other attachment materials specific to the application, e.g. holding arm, pneumatic controls, base plate. The lift device can also be used without problems for container versions with a heating sleeve or jacket.

## 2.3 PANS AND REAR WALLS

PANS FOR 2 DRUMS 200 LITERS	PART NO.	FIGURE
<ul style="list-style-type: none"> <li>• Drip pan</li> <li>• 1500 x 993 x 335 mm</li> <li>• with grating</li> <li>• Accommodates two rear walls</li> <li>• Leak-tested welds (dye penetrant testing)</li> </ul>	AE 40 100 000 5 / painted steel	
	AE 40 100 000 6 / stainless steel	
<ul style="list-style-type: none"> <li>• Semi-frame construction</li> <li>• Width 742 mm</li> </ul>	AE 40 000 911 1 / painted steel / galvanized	
	AE 40 000 911 3 / stainless steel	
PAN FOR 1 DRUM 200 LITERS	PART NO.	FIGURE
<ul style="list-style-type: none"> <li>• Drip pan</li> <li>• 1300 x 993 x 335 mm</li> <li>• with grating</li> <li>• Accommodation for rear wall</li> <li>• Leak-tested welds (dye penetrant testing)</li> </ul>	AE 40 100 000 3 / painted steel	
	AE 40 100 000 4 / stainless steel	
<ul style="list-style-type: none"> <li>• Semi-frame construction</li> <li>• Width 644 mm</li> </ul>	AE 40 100 001 0 / painted steel / galvanized	
	AE 40 100 001 1 / stainless steel	
PANS 120 LITERS	PART NO.	FIGURE
<ul style="list-style-type: none"> <li>• Drip pan</li> <li>• 653 x 993 x 335 m</li> <li>• with grating</li> <li>• Accommodation for rear wall</li> <li>• Leak-tested welds (dye penetrant testing)</li> </ul>	AE 40 100 000 1 / painted steel	
	AE 40 100 000 2 / stainless steel	
<ul style="list-style-type: none"> <li>• Semi-frame construction</li> <li>• Width 644 mm</li> </ul>	see pan 1 drum 200 liters	
ACCESSORIES	PART NO.	FIGURE
<ul style="list-style-type: none"> <li>• Gusset plate for drip pan</li> </ul>	AE 40 000 909 3	
<ul style="list-style-type: none"> <li>• Retaining bracket for MDG</li> </ul>	AE 40 000 909 1	

3.0

# AGITATORS

Agitators can be used in many different ways. The agitation stations therefore reflect this fact by their diverse design: Always adapted to your needs thanks to our individually employable modular system. The stations can be divided in agitator stations and maintenance agitators as needed. The matching agitator is available for any of your tasks.

Low energy consumption is also important to us; and we assist our customers in planning by choosing the appropriate products. Compared to conventional agitators our units need approximately half of the energy. For conductive liquids, we recommend at least 1000 mPa.s of the main component. Our team will be happy to provide you with further application information that guarantee a smooth process: For example, when using plastic containers the stirring media do not need to be covered – otherwise, the stirring elements should always be fully covered during operation.

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## 3.1 AGITATORS IN SAMPLE STATIONS

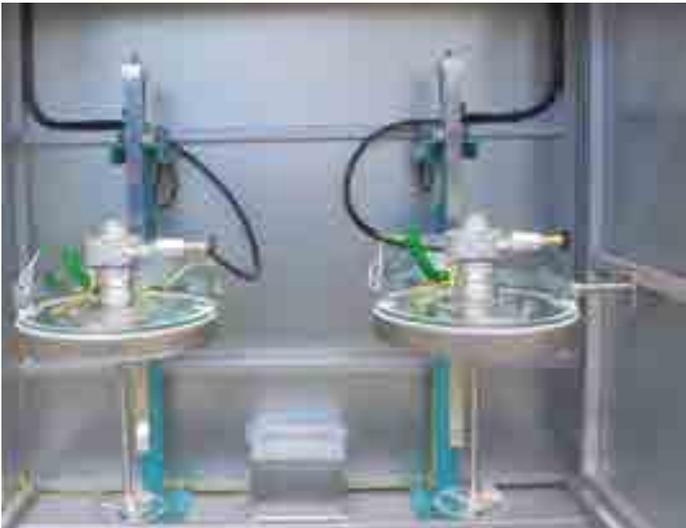
## 3.2 AGITATOR STATION FOR CONTAINERS

## 3.3 AGITATOR STATION WITHOUT PAN

### 3.1 AGITATORS IN SAMPLE STATIONS



Agitator station with dividing walls, front and rear view  
Release agent preparation Part No. 23 230 69



Detail of lift with glass cover

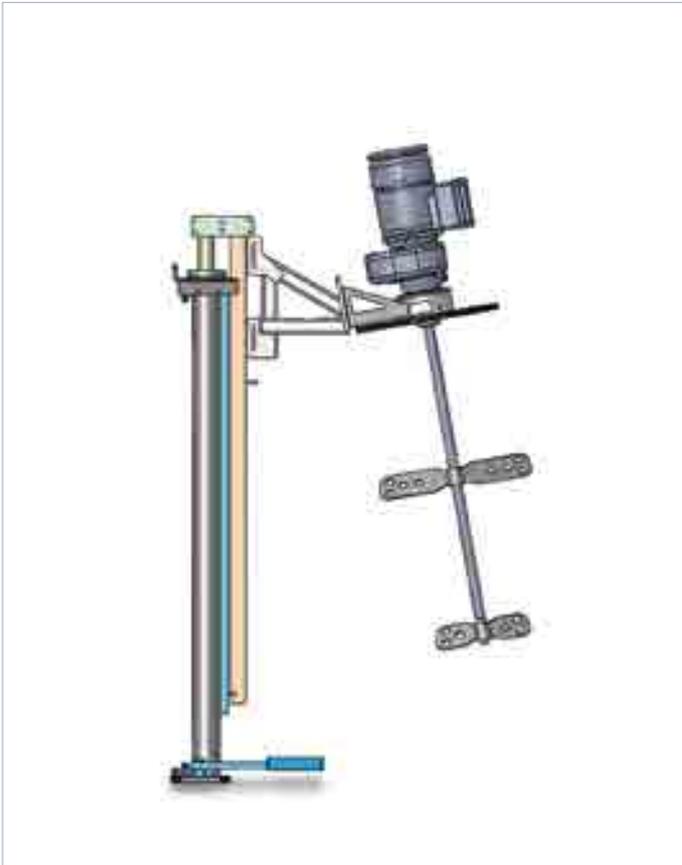


Agitator station with cab



Agitator station with four positions

## 3.2 AGITATOR STATION FOR CONTAINERS



Agitator station with slanted shaft



Agitator station with slanted shaft



IBC container agitator with sealed cover and folding agitator element



Adjustable cover holder



Agitator station for 2 containers with pan



Pan is pushed under the frame



Support structure container agitator station with 1000 liters pan



Agitator station, optionally for IBC and 200 liters drum, here 200 liters drum adapter

## DRW CROSSBEAMS

TYPE	PART NO.
DRW M. CROSSBEAM SCHÜTZ ECOB.-IBC DN150	V 46 322 004 32
DRW M. CROSSBEAM WERIT POLYEX-IBC DN200	V 46 322 004 33
DRW M. CROSSBEAM WERIT POLYEX-IBC DN150	V 46 322 004 34
ERW M. CROSSBEAM SCHÜTZ ECOB.-IBC DN150	V 46 322 004 40
HORIZONTAL SP. RW-TRAVERSE DESTACO	V 46 322 990 10



Crossbeam with agitator for 1000 liters IBC

### 3.3 AGITATOR STATION WITHOUT PAN



Standard agitated station 30 liters



Agitated station with hinged cover and geared agitator Calix stirring element



30 liters agitated unit with double stirrer blades



Agitated station 30 liters with DRW without gear (high-speed unit)



Agitator station 30 liters with 0.75 kW motor



Hobcock hold-down for 30 liters agitator station



Pressure tank with pneumatic agitator



Pressure tank with pneumatic agitator



Agitator station with MDG FU agitator and sight glass



Special FMB with FC motor



Agitator station 30 liters supply unit with diaphragm pump



Bottle holder detail



Adjustable agitator with tripod **Part No. V 46 322 002 00**



Agitator and mixing unit for 2K dispersion not Ex. **Part No. 23 432 55**

4.0

# MATERIAL TRANSFER SYSTEMS

We offer material transfer systems for the areas of humidification, oiling, surface finishing, rust protection and gluing application. We ensure the smooth supply of material between the delivery container to the application while always paying attention to the different specifications such as material flow, temperature, quantity and mix of materials. You will quickly find different material conveying methods for the respective requirement with us: Depending on the area of application our spray guns are equipped with different components (for example, material flow control) as pumping stations. The modular system of our products allows implementing custom-tailored material conveying concepts in a flexible and timely manner. All products are manufactured for immediate installation. The high benefit of our product diversity for the user is reliable processing and forwarding of the material.

- 
- 4.1 MATERIAL TRANSFER CONCEPTS
  - 4.2 MOBILE MATERIAL TRANSFER
  - 4.3 MATERIAL TRANSFER SYSTEMS WITH PAN
  - 4.4 2-COMPONENT MATERIAL TRANSFER SYSTEMS
  - 4.5 ELECTROSTATIC MATERIAL TRANSFER SYSTEMS
  - 4.6 PUMP STATIONS FOR HIGH-VISCOSITY MEDIA
  - 4.7 MATERIAL AND AIR DISTRIBUTION

## 4.1 MATERIAL TRANSFER CONCEPTS



Paint supply cabinet with material heating



Split paint supply: This element is positioned to the left side of the conveyor line



Split paint supply: This element is positioned under the conveyor line



Mobile paint cabinet with heating



Material supply with mixing tank behind spray booth



Material supply detail



Material supply from paint mixing container



Material supply without standstill



Material supply before ...



... and after: Central paint supply with WALTHER PILOT paint mixing tanks type FMB: Only one hardener (MDG 45) required for all materials.



Drum cover lift with diaphragm pump for paint cabin ready for connection



Material supply with clamp-on cover drum



Drum with protective atmosphere applied to it



Extrusion pipe with guide on the right and left



Material supply unit with agitator and horizontal plunger pump



Mixing tank with pump pulsation damper and material filter system



and material filters

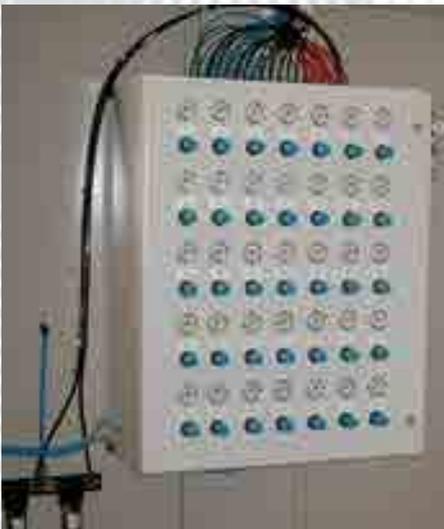


Coated inside

## 4.2 MOBILE MATERIAL TRANSFER



Mobile spray booth



With pneumatic individual control of each gun



The exhaust booth also on wheels



The exhaust booth also on wheels



Mobile pan for wax supply



Mobile pan test installation with ultrasound filling monitoring



Mixing tank with electrical control



Non-stick coating inside



Flushing port in cover (automatic cleaning)



Trolley with pressure tank and diaphragm pump



Trolley for chocolate glaze with pressure tank, gun and heated material hose



Trolley with pressure tank and circulation pump



Trolley with 2 pressure tanks



Trolley with material supply and hand gun



Trolley with purely pneumatic control for drum coating



Mobile material supply for processing chocolate



With heated material tank and hoses



Measurement of the spray times, pause times and number of cycles

## 4.3 MATERIAL TRANSFER SYSTEMS WITH PAN



Heavy duty corrosion protection with high-pressure spraying equipment



Colour according to customer preference



Material supply with diaphragm pump 3 x 200 liters



Optionally from 200 liters and 30 liters containers



200 liters paint supplies



Drum cover lift with seal



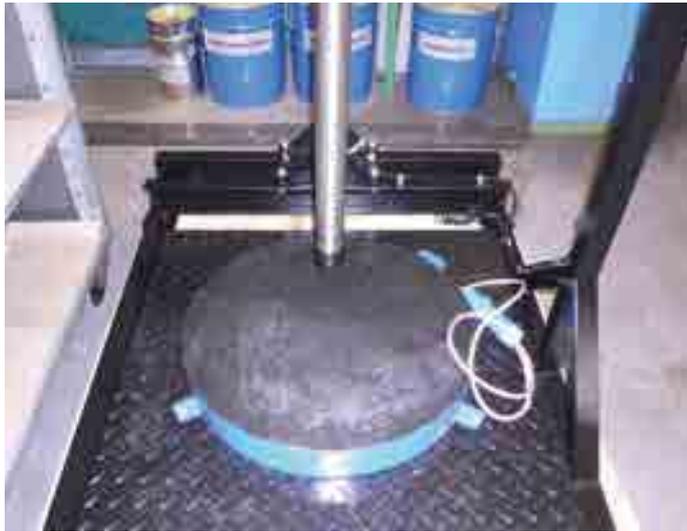
Cover for 200 liters drum with PE seal Part No. 23 715 31



FU-ERW with brace, pump extraction from drip pan



Release agent supply with economical pneumatic agitator



Filling level monitoring with scales and floor heating /  
floor heating Part No. 23 512 67



Pan with special mounting for agitator 1.5 kW,  
frequency controlled



Lift with original cover



Container lift with original cover, sealed



Lift with original cover



Material supply for 12 guns with pneumatically controlled material pressure regulators and digital pressure gauge



With 2 heated MDGs



Material supply unit for moisture-sensitive material



Material supply with MDG 90 and high pressure standby pump



Dual station pressure tank MDG 45 zinc-plated with electric agitators



With filling level monitoring MDG rocker



With filling level monitoring MDG rocker



Material supply with 4 MDGs



Material supply for 2K system



Agitator station with lateral installation wall



Pan with MDG250



Control cabinet

Material supply of material with agitator control for interval times and rotational speed (not Ex, with frequency converter) Part No. 23 625 04

### CONTROL CABINET DETAILS



Control cabinet detail 1



Control cabinet detail 2



Control cabinet

## 4.4 2-COMPONENT MATERIAL TRANSFER SYSTEMS



2K material supply



Control



With graphical display



Mobile 2K system



2K low-pressure material supply



2K low-pressure material supply



2K system material supply from pressure tanks

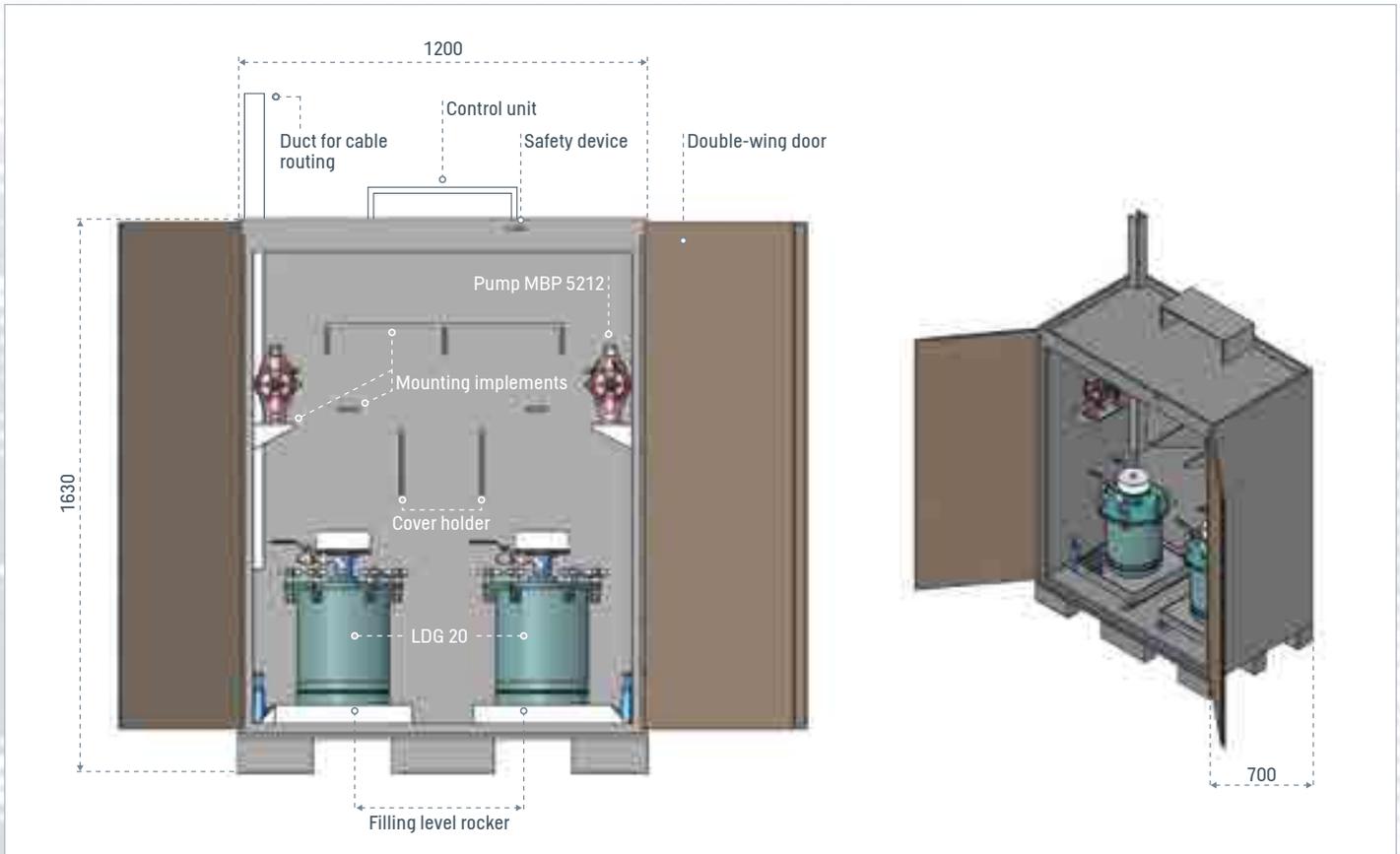


2K system with gear pumps



Material supply for 2K dispersion adhesive

## 4.5 ELECTROSTATIC MATERIAL TRANSFER SYSTEMS



Insulating cabinet for 2 water-based release agents



Insulating cabinet for 2 water-based release agents



Aquacoat insulating cabinet with a pressure tank



Insulating cabinet with rocker for level monitoring in high-voltage range



High-voltage gun on the robot

## 4.6 PUMP STATIONS FOR HIGH-VISCOSITY MEDIA



Drum pump station with roller table **Part No. K 68 207 112 31**



Grease delivery station for 200 liters drums



Drum pump station in special design



Tandem station electrically controlled



Pumping station follower plate with wiper lip



Coated follower plate



Pump station follower plate with two wiper rings **Part No. K 61 203 051 31**

## 4.7 MATERIAL AND AIR DISTRIBUTION



Material supply with fluid flow controller



Withdrawal point 5x release agent and air



Material distributor 3x



Material distributor



Release agent withdrawal station with blow-out gun Part No. 23 721 17



Pneumatically controlled material regulator with digital pressure gauge

5.0

# SINGLE PART SOLUTIONS

Sometimes more than our modular system is needed! Rest assured, we will not leave you in the cold but assist you with a custom solution. We consider all requirements; plan, schedule and control your concept. Our team strives for quick and easy communication and integrates the fabricated components seamlessly into your production line.

- 
- 5.1 SPECIAL TANKS
  - 5.2 SPECIAL GUNS
  - 5.3 SPECIAL PANS
  - 5.4 SPECIAL LIFTS
  - 5.5 SPECIAL ACCESSORIES

## 5.1 SPECIAL TANKS



Mixing tanks on wheels with pump



Pressure tank with follower plate



Pressure tank with follower plate



Pressure tank with electric pressure indicator



Marking pressure cup with holder  
Part No. V 11 352 910 00

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## 5.2 SPECIAL GUNS



Automatic gun with Mesamoll packing, e.g. for isocyanate **Part No. 23 550 15**



Automatic marking gun with manual trigger **Part No. 23 629 38**



Extrusion gun WA 95 with manual trigger



2-component hand gun for processing small quantities in the lab area



Airless gun WA21 with air support therefore minimum operating force



Premium gun with brush Part No. V 10 258 152 03



Special gun with electric signal encoder Part No. V 11 300 003 53

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## 5.3 SPECIAL PAN



Mobile pan for wax supply



Single pan with 200 liters capacity

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## 5.4 SPECIAL LIFTS



Heavy-duty lift per customer preference for 70 kg pump



Rotating lift according to customer preference

## 5.5 SPECIAL ACCESSORIES



Drum detection for lift **Part No. AE 40 000 810 0**



Diaphragm pump 24 V= 1/4" **Part No. 23 341 64**



Switching to circulating air for energy saving when gun is hooked in place. Heating energy is saved through the circulating air mode.



Electric diaphragm pump



Rocker for filling level measurement



Mixing block special size XL **Part No. 23 938 93**

6.0

# PNEUMATIC CONTROL UNIT

Our control elements are frequently pneumatic. This ensures continuous switching or regulation of the materials and the material flow. In addition, they weigh less (than electronic controls, for example) and are more rugged in handling. The pneumatic feature is practical especially for mobile stations: no power lines and no return lines. Accordingly, no or very low electrical costs. Again: We always pay attention to the requirements of the material and the application.

## 6.0 PNEUMATIC CONTROL UNIT



Service unit type A for 2 marking guns



Simple air supply with desiccant bead filter on mounting plate



Mounting plate for desiccant bead filter, 2 flushing guns and detergent distributor



Simple overall control for system with 2 guns



Marking gun control on mounting plate



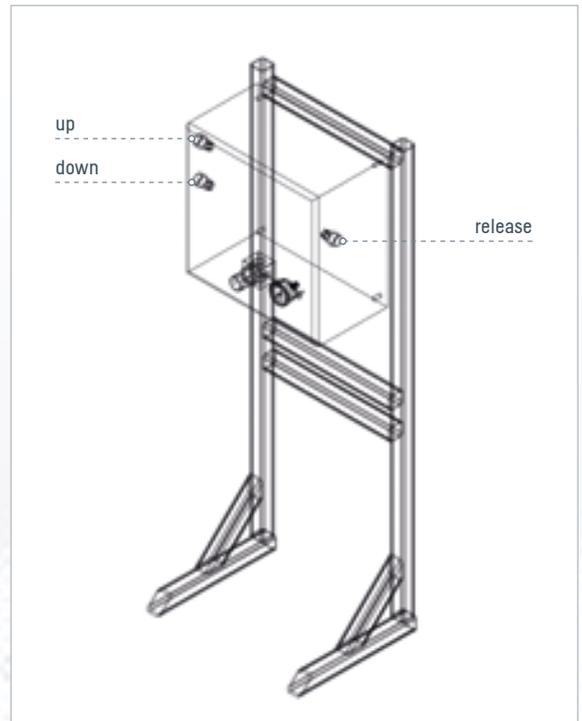
Control for 3 marking guns and flushing gun



Control for 4 automatic guns with sample sprayers



Gun control for 20 guns with sample sprayers



Pneumatic control: Two-hand operation for cover lift



Gun control for 13 external guns at the customer



Aquacoat agitator control



Control integrated in agitator station



Pneumatics in control cabinet housing



Mounting plate with cylinder control

7.0

# GUN HOLDERS

Our gun holders ensure additional automation in your processes. We are already experienced in the area of paint and glue guns and can recommend the appropriate devices for the guns. Height-adjustable and equipped with matching material transfer systems, a gun holder offers you additional comfort and effectiveness. We can produce customer-holders according to your requirements.



## 7.0 GUN HOLDERS



Complete automatic cab



WA 800 with holder in spray booth



Height-adjustable gun holder



Height-adjustable gun holder



Pull-out gun holder



Gun holder with scaling



Simple nozzle bracket



Adjustable marking gun holder



Angle adjustment with scaling



Left pipe with scaling



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