

solo®

THE BETTER CHOICE. SINCE 1948.
German quality sprayers and cut-off machines

New products and
model updates

CLEANLine



Hand Sprayers. Pressure Sprayers. Foaming Sprayers.
Designed and manufactured for Cleaning and Disinfection.



The development and manufacture of all-plastic sprayers is a tradition for our company that embraces many decades: already at the beginning of the 1960's we produced the first all-plastic garden sprayer. This broad knowledge and know how has now been transferred to the domain of cleaning and disinfection: with our **SOLO CLEANLine**.

Sturdy plastic containers, resistant against chemicals and UV ray impact and with varying fill capacities form the centre pieces for lasting quality.

Special seals and nozzles are adapted for specific areas of application. To make the user aware of the chemicals that can be used with the different sprayer models, we have colour coded them. In addition to high quality standards, we have always placed particular focus on practical equipment and optimized working comfort.

This includes the ergonomically shaped operating elements. Handles, shut-off valves, release levers... everything fits perfectly in the hand and does not cause any signs of fatigue, even during longer working intervals.

We have the same high standards for the heart of the sprayers and foam sprayers: the pumps. They build up the maximum pressure of 3 bar in just a few strokes. They are smooth-running in every phase and easy to grip even with gloves.

SOLO CLEANLine: A comprehensive and multi-purpose product range with inherent SOLO quality.



Acidic pH-scale 1-7 - FKM in the „red line“

For spraying concentrated or diluted acids within the pH-scale of 1-7, the sprayers fitted with FKM-seals are the correct choice. These models are also suitable if the spray solution contains oil or chlorinated hydrocarbons.

Acidic cleaning fluids are effectively used for the commercial cleaning of buildings or in vehicle repair centres. They are also used to combat lime residues and deposits as well as germs, bacteria and much more. They are needed for the hygienic cleaning of medical rooms, baths and toilets, in commercial kitchens, swimming pools, saunas, thermal baths and for the cleaning of fittings. The acidic* solutions in particular are a tough test for the seals and parts in the sprayer.

For that reason, the SOLO CLEANLine sprayers for use with acidic liquids are equipped with nothing but FKM seals. These sprayers can also be used with solutions that contain oil or solvents.

Alkaline pH-scale 7-14 - EPDM in the „blue line“

For alkaline (basic) solutions our sprayers with EPDM quality seals are the ones to look for. Alcohols and bases within the pH-scale of 7-14 do not cause any problems with that type of material. Fat, oil and protein residues are stubborn substances in the kitchen and gastronomic areas that require the application of alkaline cleaning solutions. These solutions are also in use for cleaning glass, de-greasing components in the metal industry or for cleaning jobs in the car industry.

EDM seals effectively protect connecting seams on SOLO CLEANLine Sprayers. Apart from alkaline cleaning solutions, EPDM is also suited for the output of disinfecting solutions such as in hospitals and swimming pools, for example.

Foaming sprayers

Should the cleaning process demand the least use of moisture, our foam sprayers come to the fore. These sprayers are also available with FKM and EPDM seals.

In addition and in true SOLO tradition, there is the patented foam adjustment device varioFOAM. This clever innovation removes the danger of potential contact with the spray medium during nozzle interchanges. Instead, the foam quality is adjusted with a large, easy to use adjustment wheel.



MANUAL SPRAYERS



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01 New, adjustable universal nozzle with significantly improved spray pattern

02 Automatic pressure valve, can be manually operated for pressure reduction

03 Pump head with slot to insert colour coded contents identification card

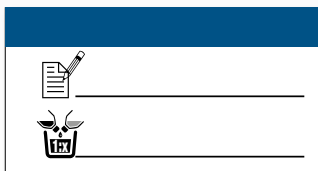
04 Large, highly efficient and fully sealed pump unit with sturdy pump handle

05 Comfortable trigger with thumb lock for continuous spray function

06 High quality seals made from FKM (A-models) or EPDM (B-models)

07 Highly robust container made of UV-resistant plastic with large filling and cleaning aperture and integrated level scale. The base provides stability and prevents overturning.

08 Restyled handle: highly ergonomic operation thanks to special and very comfortable handle design.



MANUAL SPRAYERS



Acidic pH-scale 1-7 (FKM)

303 A
1,25 l, 0,45 kg
Part-no. 30301



304 A
2 l, 0,5 kg
Part-no. 30401



Alkaline pH-scale 7 – 14 (EPDM)

303 B
1,25 l, 0,45 kg
Part-no. 30302



304 B
2 l, 0,5 kg
Part-no. 30402



Manual sprayers are an inexpensive and indispensable aid for a variety of applications when it comes to cleaning or disinfection jobs on smaller surfaces.

The new robust, sealed and highly efficient pump reach the required operating pressure of 3 bar after just a few strokes. Once the pressure is reached, you can apply almost the entire content without additional pumping. The integral pressure valve protects the appliance against excess pressure build-up.

The high quality hollow cone nozzle is fully adjustable – from a direct jet to fine mist. The robust containers have a large filling aperture to prevent spills when being filled and emptied. Their stable base stops them overturning when full.

With their non-slip and ergonomically designed handle, they set a real benchmark, fitting optimally in the hand without causing fatigue.



Useful:
A contents identification card can be put into the insertion tab on the pump head. This way you can always see immediately with which medium the sprayer is currently filled.

PRESSURE SPRAYERS



Optional accessory for 5-9 liter models: Compressed air connection valve. Automatic, rapid build-up of pressure saves you having to pump manually. Order No. 49590 **FKM** Order No. 49591 **EPDM**

- 01** High quality nozzles
- 02** Flexible spray wand for the toughest mechanical applications
- 03** Spray wand retainer; two clips for plastic and brass spray wands
- 04** Removable top section with large aperture to facilitate filling, draining and cleaning
- 05** Safety pressure valve automatically compensates in the case of excess pressure inside the tank
- 06** Long, broad, practical strap
- 07** Extra large piston pump – operating pressure achieved after just a few pump strokes
- 08** Sturdy reinforced hose with ergonomic handle
- 09** Transparent pressure sprayer tank for good visibility of the spray medium level, made from polyethylene with UV resistance

PRESSURE SPRAYERS



Acidic pH-scale 1-7 (FKM)

Alkaline pH-scale 7 – 14 (EPDM)



305 A
5 Liter, 2,0 kg
Part-no. 30505



307 A
7 Liter, 2,2 kg
Part-no. 30705



305 B
5 Liter, 2,0 kg
Part-no. 30506



307 B
7 Liter, 2,2 kg
Part-no. 30706

The SOLO pressure sprayers with shoulder strap have long been popular and reliable aids for cleaning and disinfecting over larger areas or longer jobs. They do not take up much storage space and are ready for immediate use whenever required. Two tank volumes with 5 or 7 litres are available, depending on the size of surface that should be treated. The intensity of use also plays an important role, of course. The containers are some of the most robust on the market. An accidental tumble or similar tough tests are no problem for these professional pressure sprayers. With resistance to UV rays, the transparent containers are all set for a long service life. The extra-large piston pump, which generates the necessary working pressure with just a few pump strokes, ensures fatigue-free work. The trigger valve is ergonomically shaped and, together with the sturdy fabric re-enforced hose and the 50 cm long lance made of special non-corrosive material, ensures a long reach. The sprayers can be easily opened by turning the handle, which can also be used to clip in the lance after work. The large filling opening facilitates filling as well as emptying and cleaning of the sprayers. The equipment includes a high-quality, chemical-resistant flat spray nozzle and a practical long and wide carrying strap.

VARIOFOAM



Unique - infinitely variable - perfect foam result

The patented SOLO varioFOAM foam adjustment system

No interchange of felt inserts, no changing of nozzle, no unnecessary contact with the spray medium.

With the SOLO patented foaming nozzle **varioFOAM** the moisture level - and by that also the consistency of the foam - can be endlessly adjusted by turning an adjustment wheel even while working. This gives you instant control of any foam agent you use and allows you to extend the soaking time of your cleaning foam.

The wheel is large and comfortable to use, also with gloves. The embossed graduation offers exact adjustment possibilities:

Turning in the direction of „Dry“ makes the foam drier and therefore more consistent.

Turning in the direction of „Wet“ produces a gel-like foam with higher moisture content.



FOAMING SPRAYERS



Acidic pH-scale 1-7 (FKM)

Alkaline pH-scale 7 – 14 (EPDM)

303 FA
1,25 Liter, 0,5 kg
Part-no. 30331



333 FA
4 Liter, 2,1 kg
Part-no. 33331



309 FA
9 Liter, 3,0 kg
Part-no. 30931



303 FB
1,25 Liter, 0,5 kg
Part-no. 30332



309 FB
9 Liter, 3,0 kg
Part-no. 30932



The use of foam for cleaning purposes is gaining popularity. Advantages are visibility and longer chemical effect with no run-off. In many cases foam is used for surfaces that require a reduced moisture level.

The SOLO CLEANLine range features foam applicators that are fitted with seals made from FKM or EPDM. In the SOLO CLEANLine range you will find foam sprayers with FKM or EPDM seals that match the characteristics of the CLEANLine sprayers in terms of quality and robustness.

For smaller areas, the lightweight and handy models 301 FA and 301 FB are optimal. If the surfaces are larger, the models 333 FA, 309 FA and 309 FB are suitable. They have a nominal volume of four resp. nine liters and a sturdy base. Optionally, a wheelset with handle bar is available for the 9l models, so that the foamer needn't to be carried.

The foam quality, i.e. the foam consistency and with it the moisture content, can be endlessly and easily adjusted with the patented adjustment system "varioFOAM". This also avoids any contact with the cleaning medium.

Optional accessories for 309 FA / FB: Wheelset with handle bar and spacer. Thus, the Foamer is comfortable to move and can be safely placed on the stand. (Part-no. 49211)

SPECIFICATIONS

Acidic pH-scale 1-7 (FKM)

| Model | 303 A | 304 A | 305 A | 307 A | 303 FA | 333 FA | 309 FA |
|-----------------------------------|---|-------|---|-------|--|----------------|----------------|
| Part no. | 30301 | 30401 | 30505 | 30705 | 30331 | 33331 | 30931 |
| Nominal volume litre | 1,25 | 2,0 | 5,0 | 7,0 | 1,25 | 4,0 | 9,0 |
| Max. spray pressure bar | 3,0 | | 3,0 | | 3,0 | 3,0 | 3,0 |
| Material for seals | FKM for pH scale 1-7 | | | | | | |
| Weight empty kg | 0,45 | 0,5 | 2,0 | 2,2 | 0,5 | 2,1 | 3,0 |
| Foaming function | - | - | - | - | yes | yes | yes |
| Delivery hose length | - | - | 1,4 m | | - | 1,4 m | 1,4 m |
| Spray wand plastic, non-corrosive | - | - | yes, 50 cm | | - | yes, 40 cm | yes, 50 cm |
| Carrying system | - | - | shoulder strap | | - | shoulder strap | shoulder strap |
| Nozzles | SOLO universal hollow cone nozzle, adjustable | | High value, chemical resistant SOLO flat spray nozzle | | SOLO special flat spray nozzle with foaming system varioFOAM | | |

Alkaline pH-scale 7 – 14 (EPDM)

| Model | 303 B | 304 B | 305 B | 307 B | 303 FB | 309 FB |
|-----------------------------------|---|-------|---|-------|--|----------------|
| Part no. | 30302 | 30402 | 30506 | 30706 | 30332 | 30932 |
| Nominal volume litre | 1,25 | 2,0 | 5,0 | 7,0 | 1,25 | 9,0 |
| Max. spray pressure bar | 3,0 | | 3,0 | | 3,0 | 3,0 |
| Material for seals | EPDM for pH scale 7-14 | | | | | |
| Weight empty kg | 0,45 | 0,5 | 2,0 | 2,2 | 0,5 | 3,0 |
| Foaming function | - | - | - | - | yes | yes |
| Delivery hose length | - | - | 1,4 m | | - | 1,4 m |
| Spray wand plastic, non-corrosive | - | - | yes, 50 cm | | - | yes, 50 cm |
| Carrying system | - | - | shoulder strap | | - | shoulder strap |
| Nozzles | SOLO universal hollow cone nozzle, adjustable | | High value, chemical resistant SOLO flat spray nozzle | | SOLO special flat spray nozzle with foaming system varioFOAM | |



GENERAL RECOMMENDATIONS FOR USE

| model group | application | marking | meaning |
|-------------|-------------|---------|---------------------|
| A | acid | ● | suitable |
| B | alkaline | ● | limited suitability |
| F | foamer | x | not suitable |

| model group | model | acids ¹ | alkalines | alcohols | chloric agents ² | solvents | oily agents |
|-------------|--------------------------|--------------------|-----------|----------|-----------------------------|----------|-------------|
| A | 303 A / 304 A | ● | x | ● | ● | ● | ● |
| A | 303 FA / 333 FA / 309 FA | ● | x | x | ● | x | x |
| B | 303 B / 304 B | x | ● | ● | ● | x | x |
| B | 303 FB / 309 FB | x | ● | x | ● | x | x |
| A | 305 A / 307 A | ● | x | ● | ● | ● | ● |
| B | 305 B / 307 B | x | ● | ● | ● | x | x |

¹ except formic acid. For acetic acid, B models are suitable ² esp. sodium hypochlorite, potassium hypochlorite

Recommendation for selected cleaning chemicals

These guide values are not suitable for mixtures of various chemicals in cleaners

| chemical | recommendation model group | max. concentration |
|-------------------------------|----------------------------|--------------------|
| hydrochloric acid | A | 20% |
| sulfuric acid | A | 20% |
| nitric acid | A | 20% |
| amidosulfonic | A | 20% |
| phosphoric acid | A | 30% |
| propanoic acid | A | 10% |
| citric acid | A | 20% |
| hydrogen peroxide | A | 10% |
| acetic acid | B | 10% |
| peracetic acid | A, B | 2% |
| sodium hypochlorite | A | 5% |
| potassium hypochlorite | A | 5% |
| ammoniac | B | 10% |
| sodium hydroxide ³ | B | 20% |
| potassium hydroxide | B | 20% |
| formic acid | x | - |
| hydrofluoric acid | x | - |
| acetone | x | - |

German quality worldwide



SOLO Kleinmotoren GmbH was founded in 1948 in Stuttgart, Germany, and has been a worldwide leading manufacturer of high value sprayers and misters, blowers and cut-off machines – with the renowned high demand for German quality. In addition to our main base in the South German town of Sindelfingen, we collaborate world-wide with partners and subsidiaries to assist our customers with their requirements. Quality and customer proximity are the reasons for the use of SOLO products in almost every country in the world.



We are happy to advise you:

solo[®]

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