

Which Sprayer to Use?

At FBS, we offer many unique solutions in spraying & dispensing a wide range of chemical products.

In our 20 years of working with sprayer technology, we see many paint refinish and chemical companies manufacture a product without giving much thought in how to dispense it?

The educated customer is our best customer! Thus the challenge we all face.

For many years, the FBS brand of "Pump & Spray" hand sprayers were, and still are the "Industry Standard" for applications of wax and grease removers.

Problem...

In many situations compressed sprayers equipped with VITON and /or EPDM seals will not work with certain chemicals due to an incompatibility issue. To further this concern, it appears that when some chemicals are blended they produce reactive agents, and sealing materials tend to fail over time. Chemicals and sprayers that were compatible in the past are now breaking down due to changes in formulas.

Plastic components also degrade when exposed to products like mineral spirits, paint thinners, toluene and acetone to name a few.

For additional information regarding compatibility, please refer to the **Chemical Compatibility Index, a Cross Reference Chart – Refinish Products and Auto Parts** at:

[Chart – Refinish](#)

[CHART - Auto Parts](#)

Waterborne & Solvent Low VOC Products...

The number of practical and cost effective VOC-exempt solvents is very limited. Exempt solvents used in coatings and cleaners in the U.S. include Acetone, Methyl Acetate, TBAC, and PCBTF.

Problem is, VOC-exempt solvents are either, not compatible with standard VITON and/or EPDM sealing materials (fail) or plastic materials in the pumps will deteriorate, case with acetone.

Solution...50330 Super Sprayer MAXI

FBS, in exclusive cooperation with Birchmeier, a Swiss Company with 130 years of tradition developed the "Super Sprayer MAXI" using the most advanced technology in sealing materials, and plastics.

The 50330 Super Sprayer MAXI offers the refinish industry, automotive repair and detail, marine, aviation and industrial sectors a tool that will perform well with chemicals where standard compression sprayers will fail.

50330 is a "Problem Solver"!



Advantages/Benefits:

- Pump - nickel plated brass piston, up to 12 bar or 176 psi
Pressure is generated in the pump, not in the bottle, an additional safety factor
- Gaskets/Seals & O-rings – BMS2010 Special Birchmeier Technology
Superior chemical resistance than standard VITON, EPDM or NBR
- Nozzle - adjustable stream to mist, standard 0.8 mm
Brass, nickel plated with precise/accurate spray pattern
- Head - PA material, Special Birchmeier Technology
Superior chemical resistance to chemicals than standard PA, PP or PE
- Tank - PE material 1.0L volume
Wide opening with ergo-grip for easy fill with less possibility of spillage

Opportunity...

The world is undergoing tremendous change due to environmental and economic pressures. Industry markets are shrinking from lack of business and qualified workers.

The importance of productivity and innovation (Having the right tool for the job!) will have a greater impact on the profitability and performance of many business organizations than ever before.

When manufacturing has the ability, and technology to deliver product like the 50330 Super Sprayer MAXI, it fulfills the needs of the customer.

We invite you to consider FBS your number 1 source for spraying technology.

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VOC Exempt Solvents

How it applies to Sprayers/Sealing materials.

1. Acetone

VITON [not compatible](#)

EPDM ok

Plastic materials (pumps) will degrade due to exposure

For products containing Acetone

Recommended sprayer: 50330 Super MAXI



2. Methyl Acetate

VITON [not compatible](#)

EPDM may be affected after exposure. Swelling and/or a loss of physical properties is possible (Not suitable).

For products containing Methyl Acetate

Recommended sprayer: 50330 Super MAXI



3. TBAC (Tertiary Butyl Acetate)

VITON [not compatible](#)

EPDM is affected after exposure. Swelling and/or a loss of physical properties will limit life of elastomer (Not suitable).

For products containing TBAC

Recommended sprayer: 50330 Super MAXI



4. PCBTF (Para-chlorobenzotrifluoride). Synonyms: Benzene, Chlorobenzene...

It attacks some types of plastics, rubber and coatings.

VITON [no data](#)

EPDM [no data](#)

For products containing PCBTF

Recommended sprayer: 50330 Super MAXI

