

Spraying



Solutions



Professional Spraying & Foaming Equipment

www.fbs-online.com
sales@fbs-online.com

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Problem Solver

A must tool for your shop chemicals

Spraying

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Acetone

Toluene

M.E.K.

Wax & Grease

Lacquer Thinner

Brake Parts Cleaners

Solvents

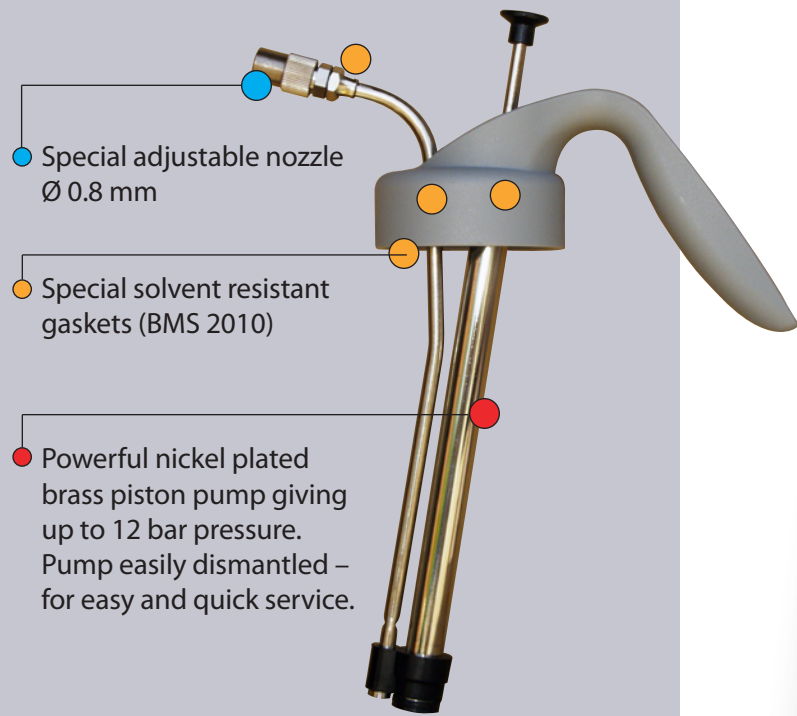
and more...

Pressure wash a paint gun with just a couple of ounces of thinner.

A paint gun not properly cleaned will dispense old paint-particles into a new paint job, causing an expensive re-do!

Super Sprayer Maxi 1.0

50330 1.0 l (1.06 U.S. quart) BMS2010



Super Sprayer Maxi 1.0

50330..... 1.0 l (1.06 U.S. quart) BMS2010
11873010..... Set of 4 complete assembly nozzles

11873005..... Cone nozzle assembly complete
11873006..... Air Cup nozzle assembly complete
11873007..... Air Cup nozzle assembly complete
11873008..... HT nozzle assembly complete



Which Sprayer to Use?

See the chart at www.fbs-online.com



1st Sprayer in the World

Acetone, Toluene, Gun Wash, M.E.K., Lacquer Thinner, Solvents, and more...

- #50330
- Tank volume/capacity: 1.0l
 - Pump assembly material: SS/Nickel Plated Brass
 - Nozzle type: Special Adjustable
 - Max. operating temp.: 50° C/122° F
 - Max. op. pressure: 12 bars/176 psi
 - Seals and o-rings: BMS2010



- For **Non-chlorinated** brake parts cleaners
Applications: ABS, Discs & drum brakes, Rotors, Cylinders, Drums, Linings, Brake Shoes, Calipers, Clutch discs & disc brake pads.
- Jet-Stream Gun Washer
For solvent & waterborne based paints. Quick and easy way to clean paint guns and airbrush equipment.

11873005



Cone nozzle

11873006



Air Cup nozzle

11873007



HT nozzle

11873008



Air Cup nozzle



50030 0.5 l (0.53 U.S. quart)/NBR



50030

- Tank volume/capacity: 0.5l
- Pump assembly material: PE
- Nozzle type: Jet
- Max. operating temp.: 30° C/86° F
- Max. op. pressure: 15 bars/218 psi
- Seals and o-rings: NBR



Birchmeier "Quality and Safety without compromise".
Perfect for degreasing, cleaning, moistening, maintaining - car engine, body & parts, shop.

50040 0.5 l (0.53 U.S. quart)/BMS212



1st Sprayer in the World

- 50040

- Tank volume/capacity: 0.5l
- Pump assembly material: PE
- Nozzle type: Jet
- Max. operating temp.: 30° C/86° F
- Max. op. pressure: 15 bars/218 psi
- Seals and o-rings: BMS212



Birchmeier "Quality and Safety without compromise".
Perfect for degreasing, cleaning, moistening, maintaining - car engine, body & parts, shop.

Maximum Performance

See the chart at
www.fbs-online.com

[illegible]

Benefits

- 1
Large and powerful pump - fewer strokes required to build up the pressure, and start spraying!
- 2
External safety valve for added security and comfort. Robust tank with large opening for easy filling of liquids.
- 3
Fan jet nozzles made of stainless steel or acid resistant plastic used for durability and efficiency of spraying!

50800 1.6 l (1.69 U.S. quart)/VITON



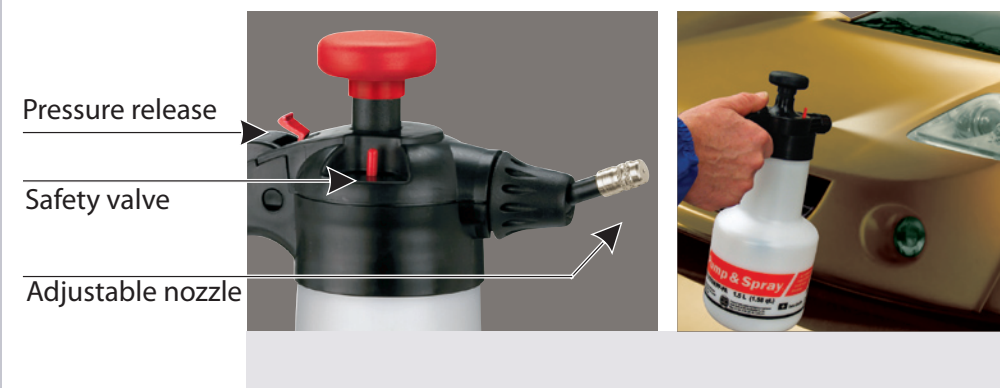
New Technology

- ## 50800 VITON, 50801 EPDM

- Tank volume/capacity: 1.6L/1.25L
- Pump assembly material: PP/PE
- Nozzle type: Brass nozzle
- Max. operating temp.: 30° C/86° F
- Max. op. pressure: 3 bars/43.5 psi
- Seals and o-rings: VITON or EPDM

Birchmeier "Quality and Safety without compromise".

The perfect spraying and foaming solutions in dispensing a wide range of chemical products for automotive, marine, aviation, food processing, and hygiene industry.





Pump & Spray PA

50100 1.0 l (1.06 U.S. quart) / VITON

50101 1.0 l (1.06 U.S. quart) / EPDM



Industry Standard

50100 VITON, 50101 EPDM

- Tank volume/capacity: 1.0l/0.75l
- Pump assembly material: PP
- Nozzle type: Spray Jet
- Max. operating temp.: 30° C/86° F
- Max. op. pressure: 3 bars/43.5 psi
- Seals and o-rings: VITON or EPDM



Pump & Spray PA

50400 1.6 l (1.69 U.S. quart) / VITON

50401 1.6 l (1.69 U.S. quart) / EPDM



Which Sprayer to Use?

See the chart at
www.fbs-online.com



50400 VITON, 50401 EPDM

- Tank volume/capacity: 1.6l /1.25l
- Pump assembly material: PP
- Nozzle type: Spray Jet
- Max. operating temp.: 30° C/86° F
- Max. op. pressure: 4 bars/58 psi
- Seals and o-rings: VITON or EPDM

Compressed Air and Manual Operation
sprayer with standard 1/4" connector.

Maximum operating pressure: 58 psi.

Compressed Air and Manual Operation
sprayer with standard 1/4" connector.



Benefits

- 1** Increased work productivity and efficiency in surface preparation before, and after repairs.
- 2** Reduction of VOC's while dispensing bulk chemicals - eliminating the need for aerosol based products.
- 3** Compatible with waterborne cleaners and solvents.
See VITON or EPDM chemical compatibility index.

Rondo-Matic 5E
50910 7.0 l (1.85 U.S. gal.) / EPDM



Works with Acetone



The “Acid” EPDM sprayer!
All materials used in construction of this unit are acid proof, including seals, steel, and injection moulding parts. The hose is also made of the EPDM rubber!
Safety first, when spraying acids!

Rondo-Matic 5P
50911 7.0 l (1.85 U.S. gal.) / Viton



The “Acid” VITON sprayer!
All materials used in construction of this unit are acid proof, including seals, steel, and injection moulding parts.
Safety first, when spraying acids!

Clean-Matic 5P
50920 7.5 l (1.98 U.S. gal.) / VITON



The “Top Line 7.5 l” VITON sprayer!
It features a powerful pump with ergonomically designed trigger (Inbuilt piston valve with stainless steel valve rod). Integrated filling funnel offers safe and easy operation.
Value and performance!

Clean-Matic 5E
50921 7.5 l (1.98 U.S. gal.) / EPDM



The “Top Line 7.5 l” EPDM sprayer!
It features a powerful pump with ergonomically designed trigger (Inbuilt piston valve with stainless steel valve rod). Integrated filling funnel offers safe and easy operation.
Value and performance!

- 50910
- Tank volume/capacity: 7.0l/5.0l
 - Pump assembly material: PP
 - Nozzle type: Fanjet
 - Max. operating temp.: 30° C/86° F
 - Max. op. pressure: 3 bars/43.5 psi
 - Seals and o-rings: EPDM



- 50911
- Tank volume/capacity: 7.0l/5.0l
 - Pump assembly material: PP
 - Nozzle type: Fanjet
 - Max. operating temp.: 30° C/86° F
 - Max. op. pressure: 3 bars/43.5 psi
 - Seals and o-rings: VITON



- 50920
- Tank volume/capacity: 7.5l/5.0l
 - Pump assembly material: PP
 - Nozzle type: Fanjet
 - Max. operating temp.: 30° C/86° F
 - Max. op. pressure: 4 bars/58 psi
 - Seals and o-rings: VITON



- 50921
- Tank volume/capacity: 7.5l/5.0l
 - Pump assembly material: PP
 - Nozzle type: Fanjet
 - Max. operating temp.: 30° C/86° F
 - Max. op. pressure: 4 bars/58 psi
 - Seals and o-rings: EPDM



Spray-Matic 5S
50935 7.5 l (1.98 U.S. gal.)/VITON

Brass
Pump & Trigger



The “Stainless Steel” Top Line 7.5 l” sprayer!
Optimized for maximum efficiency and durability.
Large /separate filling with foolproof lid (Invented by Birchmeier - copied by everyone).
Applications:Mineral oil based solvents, formwork release oil / release agents

Spray-Matic 5SI
50940 7.5 l (1.98 U.S. gal.)/VITON

Stainless Steel
Pump & Trigger



The “Stainless Steel” Top Line 7.5 l” sprayer!
Optimized for maximum efficiency and durability.
Large /separate filling with foolproof lid (Invented by Birchmeier - copied by everyone).
Applications: Mineral oil based solvents, acids, formwork release oil / release agents, disinfection.

Spray-Matic 10S-air
50950 14.0 l (3.7U.S. gal.) VITON

Brass
Pump & Trigger

*Shown with
Two-Hand Grip
& Spiral Hose



The Stainless steel compression 14.8 l sprayer!
Typical application: Car pre-washing, rims, break and engine cleaning, degreasing.
Industrial durability!

Spray-Matic 10SP
50955 14.0 l (3.7 U.S. gal.) VITON
Air connection only - without Hand Pump

Stainless Steel
Pump

*Shown with
Two-Hand Grip
& Spiral Hose



The “BIG PERFORMER”!
The only sprayer worldwide made of **stainless steel with plastic inner tank!** Ideally suited for tough industrial spraying of acids, chlorine, and disinfection products.
Industrial durability!

- 50935**
- Tank volume/capacity: 7.5l/5.0l
 - Pump assembly material: S. steel
 - Nozzle type: Fanjet
 - Max. operating temp.: 50° C/122° F
 - Max. op. pressure: 6 bars/87 psi
 - Seals and o-rings: VITON



- 50940**
- Tank volume/capacity: 7.5l/5.0l
 - Pump assembly material: S. steel
 - Nozzle type: Fanjet
 - Max. operating temp.: 50° C/122° F
 - Max. op. pressure: 6 bars/87 psi
 - Seals and o-rings: VITON



- 50950**
- Tank volume/capacity: 14.8l/10.0l
 - Pump assembly material: S. steel
 - Nozzle type: Fanjet
 - Max. operating temp.: 50° C/122° F
 - Max. op. pressure: 6 bars/87 psi
 - Seals and o-rings: VITON



- 50955 / 50960**
- Tank volume/capacity: 14.8l/10.0l
 - Pump assembly material: S. steel
 - Nozzle type: Fanjet
 - Max. operating temp.: 50° C/122° F
 - Max. op. pressure: 6 bars/87 psi
 - Seals and o-rings: VITON



Stainless steel tank with internal plastic protection.



Spray-Matic 20S

50970 20.0 l
(5.28 U.S. gal.) VITON

The Stainless steel compression 20.0l sprayer without reducing valve with cart.

Typical application: **Mineral oil based solvents, form-work release oil / release agents.** Car pre-washing, rims, break and engine cleaning, degreasing. **Industrial durability!**

Spray-Matic 10B

50980 10.0 l (2.64 U.S. gal.) VITON



Robust backpack sprayer for industry and professional cleaning. Pump mounted externally for low maintenance and more protection against dirt. Stainless steel base - for an excellent stability. Large opening with integral protection filter against dirt and mud.

Applications: Mineral oil based solvents, acids, form-work release oil / release agents, disinfection.

Maxi 1.0

50320 1.0 l (1.06 U.S. quart)/VITON

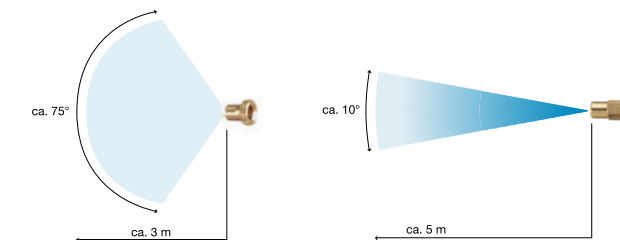


The high "Viscosity" liquid sprayer. Robust and strong piston pump allows for spraying of heavy oils and wax. Nickle plated brass pump and VITON seals make it possible to use it with a wide range of chemicals.

Easy and simple to use!

Rex Profi Sprayer

50340 1.7 l (1.8 U.S. quart)



The high "Viscosity" liquid sprayers. Robust and strong piston pump allows for spraying of heavy oils and wax. Nickle plated brass pump and VITON seals make it possible to use it with a wide range of chemicals.

Easy and simple to use!

50970

- Tank volume/capacity: 23.5l
- Pump assembly material: S. steel
- Nozzle type: Fanjet
- Max. operating temp.: 50° C/122° F
- Max. op. pressure: 6 bars/87 psi
- Seals and o-rings: VITON



50980

- Tank volume/capacity: 10.0l
- Pump assembly material: S. steel
- Nozzle type: Fanjet
- Max. operating temp.: 50° C/122° F
- Max. op. pressure: 6 bars/87 psi
- Seals and o-rings: VITON



50320 VITON

- Tank volume/capacity: 1.0l
- Tank material: PE
- Nozzle type: Mist nozzle
- Max. operating temp.: 50° C/122° F
- Max. op. pressure: 12 bars/174 psi
- Seals and o-rings: Viton



50340

- Tank volume/capacity: 1.7l
- Tank material: PE
- Nozzle type: Jet
- Max. operating temp.: 50° C/122° F
- Max. op. pressure: 20 bars/290 psi
- Seals and o-rings: NBR



McProper Plus Foam PP

50035 0,5 l (0.53 U.S. gal.) / NBR



The “Upside-Down” trigger sprayer. Foam head. Possible to spray in any position - overhead, side-ways or vertical. Excellent quality trigger design allows for a full spray pattern through the whole pull range. A must choice for Pro-Detailers.

Foam-Matic 1.5P

50810 1.6 l (1.69 U.S. gal.) / VITON
50811 1.6 l (1.69 U.S. gal.) / EPDM



Top quality hand compression foamer for professional and mobile foaming. Produces a very special and dry foam (long contact time). Powerful hand pump with ergonomic handle and spray button. Special foam nozzle for directed foaming.

Foam-Matic 5P

50925 10.0 l (2.64 U.S. gal.) / VITON



Mobile foaming: fast with excellent foam quality and high performance. High quality and high performance hand pump with two hand grip. Compressed air connection valve.

Foam-Matic 5E

50926 10.0 l (2.64 U.S. gal.) / EPDM



Mobile foaming: fast with excellent foam quality and high performance. High quality and high performance hand pump with two hand grip. Compressed air connection valve.

- 50035
- Tank volume/capacity: 0.5l
 - Pump assembly material: PE
 - Nozzle type: Jet
 - Max. operating temp.: 30° C/86° F
 - Max. op. pressure: 15 bars/218 psi
 - Seals and o-rings: NBR



- 50810 VITON, 50811 EPDM
- Tank volume/capacity: 1.6l/1.25l
 - Pump assembly material: PP/PE
 - Nozzle type: Foam nozzle
 - Max. operating temp.: 30° C/86° F
 - Max. op. pressure: 3 bars/43.5 psi
 - Seals and o-rings: VITON or EPDM



- 50925
- Tank volume/capacity: 7.5l/5.0l
 - Pump assembly material: S.steel
 - Nozzle type: Fanjet
 - Max. operating temp.: 50° C/122° F
 - Max. op. pressure: 4 bars/58 psi
 - Seals and o-rings: VITON



- 50926
- Tank volume/capacity: 7.5l/5.0l
 - Pump assembly material: S.steel
 - Nozzle type: Fanjet
 - Max. operating temp.: 50° C/122° F
 - Max. op. pressure: 4 bars/58 psi
 - Seals and o-rings: EPDM





Auto Refinish Products 2015

Suggested Cross Reference Guide

Company Products			RM	Glasurit	DuPont	Standex	Spies Hecker	Sherwin Williams	Akzo Nobel	PPG	NEXA	Pro-Spray	5 STAR	Cumber- land	MATRIX
			903	7001				R1K213 R7K158 W4K263 W4K288 W4K289	385007 385009 385014 398297	DX103 P980 - 251	P980-251	ICR-1050-2 ICR-1402-5	5900 5902 FS-5903-G	CP 90 CP 91 CP 92 CP 905	MX 7000 MX 8000 MX 9000 MX 9001
50100	50400	50800													
1.0L/1.06 quart VITON/PA Mist to Stream nozzle Manual operation	1.6L/1.69 quart VITON/PA Mist to Stream nozzle Manual/compressed air	1.5L/1.58 quart VITON/PA Fan Jet nozzle Manual operation													
					2319S				38016			ICR-0020-3 ICR-1332-2			
50101	50401	50801													
1.0L/1.06 quart EPDN/PA Mist to Stream nozzle Manual operation	1.6L/1.69 quart EPDN/PA Mist to Stream nozzle Manual/compressed air	1.5L/1.58 quart EPDN/PA Fan Jet nozzle Manual operation													
			900 901 902 909 915	360-4 5415 541-30 54192 7001-10	3900S 3901S 3909S 3919S 3919SC V-3921S Y-3919S 4105S 441-05 (NA-SON)	11654 16155 16176 16178 16203	7010 7085 7090 7096	SC159 R7K156 W4K157 RSC2625 GSW 362	387040 387041 387042 396066	D837; DX330 DX394; DX440 P850 - 1402 SWX 00 SWX350 SWX360 SX1005 SX1009 MX - 190 JX -101	P850 - 1401	ICR-0015-1 ICR-0015-5 ICR-1332-2	Advantage 191	CP 101 CP 1171 CP 5/10/15 & CP 20/25 Acetone, MEK, Mineral Spirits, Toluene, IPA, Xylene Metha- nol, 100 Solvent, VM&P	
50330															
1.0L/1.06 quart Piston type Mist to Stream nozzle															

Toll Free Tel.: 1-888-984-9441
Toll Free Fax: 1-888-984-9840
www.fbs-online.com
sales@fbs-online.com



IMPORTANT DISCLAIMER!

- This Cross Reference Chart is based on current MSDS information as supplied to FBS by the various manufacturers and is intended as general guide line. FBS can not be responsible for chemical changes made by the manufacturers, and the resulting compatibility with the sprayers.
- For products not listed in this guide, please refer to "Chemical Compatibility Index" on our web site. When in doubt you may fax or e-mail MSDS directly to us.

- Damage attributable to improper use, faulty maintenance, the effects of chemicals or normal wear and tear (e.g. seals/o-rings) is excluded from Limited product Warranty.

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Auto Parts Products 2015

Suggested Cross Reference Guide



Company Products			CRC	Kleen-Flo	Gunk	Shrader	TTC Johnsen's	Wynn's	Clean-Rite	ZEP	LPS	Kleen-Strip	Spray Nine	ECP	Castrol
						T408BC Titan 2001 Auto-Sense		A5601 61445		Z-MAXX Brake wash			C26802 C26804 C26820 C26856 C26845 Multi-Purpose Degreaser C13501 C13520 C13545 Industrial Cleaner		
50100 1.0L/1.06 quart VITON/PA Mist to Stream nozzle Manual operation	50400 1.6L/1.69 quart VITON/PA Mist to Stream nozzle Manual/compressed air	50800 1.5L/1.58 quart VITON/PA Fan Jet nozzle Manual operation													
			75054 75055 75084 75085 75086 75087 75088 75090 75091 75093 75151 75186	322 323 324 Non-Chlorinated brake & parts cleaners 644 Engine degreaser 645/ 646/ 649 Engine Shampoo	M715 AM720C	TCI-1002 Toyota engine shampoo CN03216 GM engine degreaser	2415 VOC compliant Non-Chlorinated brake & parts cleaners 2415-5F Non-Chlorinated brake & parts cleaners	57714 57716 63902 Brake & parts cleaners	Purple Power Industrial cleaner and degreaser	0505 Brake wash	ZeroTri Heavy Duty Degreaser 03528 03505 03555	1700.4 Prep-All 3404.11 Aircraft remover 17057 Gun cleaner	C12501 C12520 C12545 Grease-Off Heavy Duty Degreaser C97001 C97005 C97045 C97075 Parts Wash Cleaner	TEC 314 Blast off non- chlorinated brake cleaner TEC 315 Low VOC brake cleaner	Super Clean

Toll Free Tel.: 1-888-984-9441
Toll Free Fax: 1-888-984-9840
www.fbs-online.com
sales@fbs-online.com



TOC



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Which Sprayer to Use?

VITON is compatible with a wide range of chemicals, including oils, fuels, lubricants, solvents, aqueous media and most mineral acids. The range of chemicals to which Viton® is resistant is so broad that it is by far easier to list those few with which it is not compatible.

It is not recommended for use with methyl ethyl ketones, amines, and esters such as ethyl acetate...

EPDM Ethylenepropylene rubber is an elastomer prepared from ethylene and propylene monomers. EPM is a copolymer of ethylene and propylene, while EPDM contains a small amount of a third monomer (a diene) to aid in the curing process. EP is recommended for: phosphate ester based hydraulic fluids, steam to 400° F (204° C), water, silicone oils and greases, dilute acids, dilute alkalis, ketones, alcohols, and automotive brake fluids. It is not recommended for: petroleum oils, and diester based lubricants. Its temperature range is -60° to +500° F (-51° to +260° C)

Solution...

The 50330 Super Sprayer MAXI offers the refinish industry, automotive repair and detail, marine, aviation and indus-

trial sectors a tool that will perform well with chemicals where standard compression sprayers will fail.

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.



For additional information regarding compatibility, please refer to the Chemical Compatibility Index, a Cross Reference Chart – Refinish Products and Auto-Parts at: www.fbs-online.com



www.fbs-online.com
sales@fbs-online.com

FBS Distributions Co., Inc.

1110, 572 Nicola Place
Port Coquitlam, BC, V3B 0K4
Canada

Tel.: 604-472-0773
Fax: 604-472-0776

Toll Free Tel.: 1-888-984-9441
Toll Free Fax: 1-888-984-9840

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.

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.



Scan the code on the right to get
a link to our website for more
information.

TOC

Spraying

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FBS Distribution Co., Inc.
1110, 572 Nicola Place, Port Coquitlam, BC, V3B 0K4, Canada
Tel.: 604-472-0773, Toll Free: 1-888-984-9441
Fax: 604-472-0776, Toll Free: 1-888-984-9840
www.fbs-online.com sales@fbs-online.com