



Specialists in Liquid Filling Systems

# FILLING UNIT APPLICATION GUIDE

## Positive Displacement Piston Style Filling Units



<b>Typical FSV Applications</b>	<b>Product</b>	<b>Suitable Filling Unit</b>	<b>Viscosity</b>
Molten Products (Stick Deodorants, Lipstick)	Salad Dressing	FSV	250,000
Most Suspension Products	Tomato Paste	FSV	190,000
Some Slurry	Corn Syrup	FSV	110,000
Sauces & Barbecue Sauce	Mustard	FSV	70,000
Tomato Paste, Ketchup, Mustard	Petroleum Jelly	FSV	64,000
Mayonnaise, Salad Dressing	Ketchup	FSV	50,000
Mascara	Ink (Paste)	FSV	45,000
Agar Media	Adiprene (Urethane)	FSV	35,000
Syrup	Syrup, Dark	FSV	3,200
Shortening	1 Syrup, Light	FSV	2,500
Some Pie Filling	Oil-SAE 140	FSV	2,200
Petrolatum Base Products (Cold Fills)	Oil-SAE 70	FSV	1,600
	Lacquer	FSV/FKS	1,000-25
	Oil-Castor	FKS	1,000
	Oil-SAE 60	FKS	1,000
	Shampoo	FKS	1,000-800
	Hand/Body Lotion	FKS	700
	Plastolsol	FKS	700
	Oil-SAE 90	FKS	590
	Oil-SAE 50	FKS	540
	Spar Varnish	FKS	420
	Oil-SAE 40	FKS	319
	Oil-SAE 80	FKS	240
	Oil-SAE 30	FKS	200
	Soybean Oil	FUS	160
	Maple Syrup	FUS	144
	Oil-SAE 20	FUS	125
	Corn Oil	FUS	72
	Oil-SAE 10	FUS	65
	Linseed Oil (Boiled)	FUS	64-43
	Oil-Core	FUS	29
	Linseed Oil (Raw)	FUS	28
	Liquid Ink	FUS	25
	Ethylene Glycol	FUS	16
	Crude Oil	FUS	15
	Milk	FUS	3
	Colognes/Perfumes	FUS	7- 1
	Turpentine	FUS	1
	Water	FUS	1
	Toluol	FUS	0.6
	Xylol	FUS	0.6
	Benzene	FUS	0.3
	Methyl Ethyl Ketone	FUS	0.4
	Acetone	FUS	0.3
	Sulphuric Acid	KFU	0.2

### Typical FSV Applications

Molten Products (Stick Deodorants, Lipstick)  
Most Suspension Products  
Some Slurry  
Sauces & Barbecue Sauce  
Tomato Paste, Ketchup, Mustard  
Mayonnaise, Salad Dressing  
Mascara  
Agar Media  
Syrup  
Shortening  
Some Pie Filling  
Petrolatum Base Products (Cold Fills)

### Typical FKS Applications

Shampoo  
Bubble Bath  
Hand/Body Lotion

### Typical KFU or KYU Applications

Most Acids  
Most Reagents

### Typical FUS Applications

Water-Thin Products  
Perfumes  
Colorants  
Food Additives

### Typical DUS Applications

Parenteral Drugs  
Diagnostic Products  
Eye Care Products  
Veterinary Products

**NATIONAL INSTRUMENT COMPANY, INC.**

4119 Fordleigh Road • Baltimore, Maryland 21215, USA

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