

Filling Unit Application Guide



Positive Displacement Piston Filling Units

💧 Typical FSV Applications

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

💧 Typical FKS Applications

Shampoo
Bubble Bath
Hand/Body Lotion
Hand Body Creams

💧 Typical FUS Applications

Water-Thin Products
Perfumes
Colorants
Food Additives

💧 Typical KFU or KYU Applications

Most Acids
Most Reagents

💧 Typical DUS Applications

Parenteral Drugs
Diagnostic Products
Eye Care/Medical Products
Veterinary Products

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🔹 Nozzles

DN and DN/C

Standard nozzle design, used with a majority of liquid products.

DNV and DNV/C

Built-in check valve prevents dripping when filling low surface tension liquids.

DTVA/C and DTV-PA/C

Valve-In-Tip nozzles provide positive cutoff for drip-free, string-free filling. Actuated by air pressure, for use with foaming or non-foaming liquids. (For use with Filling Units equipped with pressure relief valves.)

🔹 Product	🔹 Suitable Filling Unit	🔹 Viscosity
Salad Dressing	FSV	250,000
Tomato Paste	FSV	190,000
Corn Syrup	FSV	110,000
Mustard	FSV	70,000
Petroleum Jelly	FSV	64,000
Ketchup	FSV	50,000
Ink (paste)	FSV	45,000
Adiprene (Urethane)	FSV	35,000
Syrup, Dark	FSV	3,200
1 Syrup, Light	FSV	2,500
Oil-SAE 140	FSV	2,200
Oil-SAE 70	FSV	1,600
Lacquer	FSV/FKS	25 -1,000
Oil-Castor	FKS	1,000
Oil-SAE 60	FKS	1,000
Shampoo	FKS	800 -1,000
Hand/Body Lotion	FKS	700
Plastisol	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	43 - 64
Oil-Core	FUS	29
Linseed Oil (Raw)	FUS	28
Liquid Ink	FUS	25
Ethylene Glycol	FUS	16
Crude Oil	FUS	15
Colognes/Perfumes	FUS	1-7
Turpentine	FUS	1
Water	FUS	1
Toluol	FUS	0.6
Xylol	FUS	0.6
Benzene	FUS	0.4
Methyl Ethyl Ketone	FUS	0.4
Acetone	FUS	0.3
Sulphuric Acid	KYU	0.2

Filamatic offers **COMPLIMENTARY** product testing and purchasing options including rentals and lease arrangements. For more information call **866.258.1914** or email info@filamatic.com.

