

SG-100 Hand-Held Spray Guns

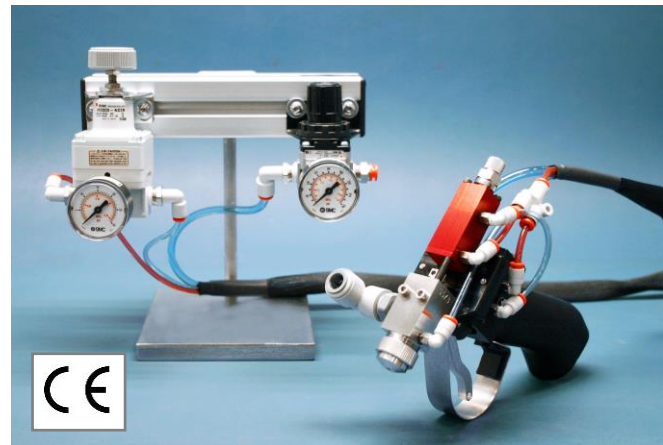
Dymax SG-100 hand-held spray guns, available in both standard and high flow models, provide a solution to manually spray fluids for masking and coating applications. The SG-100-RS standard-flow spray gun is ideal for dispensing fluids with viscosity lower than 10,000 cP, while the SG-100-RH is better suited for spraying fluids with viscosity of 10,000 cP and higher.

Both SG-100 models utilize a front-closing, stainless steel needle valve to control fluid flow and have a dual-acting air cylinder that provides immediate start/stop functionality. A stroke adjustment on the valve can be used to fine tune the flow rate and a precision air regulator/gauge assembly simultaneously activates the atomizing air while the valve is opened and fluid is flowing. Both models are delivered with a round spray cap that provides a circular spray pattern, with an optional flat spray cap available if a linear or flat spray pattern is preferred.

The guns' design incorporates a durable, light-weight, cast metal handle with pneumatic trigger mechanism so no additional electronic controls are required to activate the spray. The operator effortlessly controls the spray by manually pulling or releasing the trigger.

Dymax spray valves provide users with manual control over the valve and its spray and are ideal for the following applications:

- Masking of turbines or other metal surfaces before surface treatment
- Masking medical implants before finishing treatments
- Conformal coating of circuit boards
- Spraying solvents for cleaning part surfaces
- Coating large parts with grease or other lubrication before assembly







Spray Gun with Round Spray Cap for Manual Spraying

Features	Benefits
All wetted components are stainless steel, Teflon [®] , or Kalrez [®]	<ul style="list-style-type: none"> ■ Compatible with a greater number of fluids
Able to dispense from pressurized cartridges, bottles, and pails (requires appropriate reservoir hardware)	<ul style="list-style-type: none"> ■ Compatible with most standard fluid packages and delivery systems (Dymax can supply all the necessary parts and components to build a complete spray system.)
Lightweight assembly with low trigger resistance	<ul style="list-style-type: none"> ■ Ergonomic design allows for hours of effortless spraying
Easy adjustment of material flow and spray atomization	<ul style="list-style-type: none"> ■ Greater dispensing accuracy with less material waste
Pneumatically operated	<ul style="list-style-type: none"> ■ No electrical power required
Sealed fluid body with no exposure to ambient conditions	<ul style="list-style-type: none"> ■ Easy shutdown and cleanup

Specifications

Part Numbers	T16624	SG-100-RS Standard-flow Spray Gun, Round Spray Cap (use with viscosities <10,000 cP)
	T16929	SG-100-RH High-flow Spray Gun, Round Spray Cap (use with viscosities >10,000 cP)
Activation	Manually Controlled – Trigger Actuated	
Electrical Power Requirements	None	
Air Pressure Required	Valve Operation	60 psi [4.14 bar] to 100 psi [6.89 bar]
	Atomizing Air	0 psi [0 bar] to 15 psi [1.03 bar] (Standard-flow Spray Gun) 0 psi [0 bar] to 30 psi [2.06 bar] (High-flow Spray Gun)
Spray Pattern	Round Air Cap (standard)	0.25" – 1.0" [6.35 mm – 25.40 mm]
	Flat Air Cap (optional accessory)	0.50" – 2.0" [12.70 mm – 50.80 mm]
Flow Rate	Standard flow	0.3 mL/sec (spraying 25,000 cP thixotropic fluid)
	High flow	2.0 mL/sec (spraying 25,000 cP thixotropic fluid)
Fluid Input Fitting	3/8 tube push in	Accepts 3/8" OD tubing
Dimensions (L x W x H)	Spray Gun Assembly	8" x 4" x 8" (20.5 cm x 10.2 cm x 20.5 cm)
	Air Regulator Stand	8" x 9" x 9" (20.5 cm x 22.8 cm x 22.8 cm)
Weight	Spray Gun Assembly	1.7 lb (0.8 kg)
	Air Regulator Stand	6.6 lb (3.0 kg)
Unit Warranty	1 year from purchase (excludes soft seals)	

Options and Accessories			
	T15697 Flat Spray Air Cap	T15454 Front Closing Stand with Drip Cup	T16307 Air Filter Regulator with Air Shut Off
			
	T15454 High-Precision Air Regulator for fluid pressure	T16787 Fluid Line Kit - 3/8" OD, Polyethylene	T16793 Fluid Line Kit - 1/4" OD, Polyethylene



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