

Dramm Heavy Duty Sprayer Troubleshooting

From the Heavy Duty Sprayer Model MS-O Manual July-98

Problem	Cause	Remedy
Sprayer will not turn on. Pilot lamp does not illuminate.	Sprayer is not plugged in.	Plug sprayer into a 110-115 volt electrical outlet.
	Pressure is too high for motor capacity.	Reduce the pressure setting. Turn the P.R.V. counterclockwise.
	Defective electric motor.	Have the electric motor serviced by a qualified electrician or contact the Dramm Corporation Service Department at (800) 258-0848
Sprayer pump will not draw up solution.	Suction hose is not securely fastened to the pump or the suction hose packing is damaged.	Tighten the suction hose coupling to the pump or replace the hose packing.
	Suction valve is stuck to suction valve seat.	Remove suction hose and push the suction valve open with a small rod.
	Dry operation has pressurized the pump cylinder with air.	Remove the discharge hose to eliminate air from pump.
	Suction hose strainer is clogged.	Clean the strainer screen thoroughly. Replace if necessary.
No pressure	P.R.V. is defective or damaged.	Overhaul; replace valve and valve seat.
	No spray solution returns through the overflow hose.	Replace spray gun nozzle orifice disk.
	Clogged nozzle (poor spray pattern).	Clean nozzle thoroughly.
Gradual pressure reduction with no recovery.	Clogged suction hose strainer.	Clean strainer screen thoroughly and replace if necessary.
	P.R.V. is defective or damaged.	Repair or replace P.R.V.
Solution is leaking from the pump assembly.	Damaged U-packing, part #512010015 (item #15 on the parts diagram).	Replace damaged U-packing.
Unstable pressure. Suction hose and discharge hose vibrate significantly.	Air is being drawn into the pump.	Tighten suction hose securely to the pump and check packing.
	Valves and valve seats are stuck together.	Check suction valve and discharge valve for damage. Clean or replace as necessary.
	P.R.V. and valve seat are damaged.	Replace damaged parts.

P.R.V. = pressure regulator valve

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