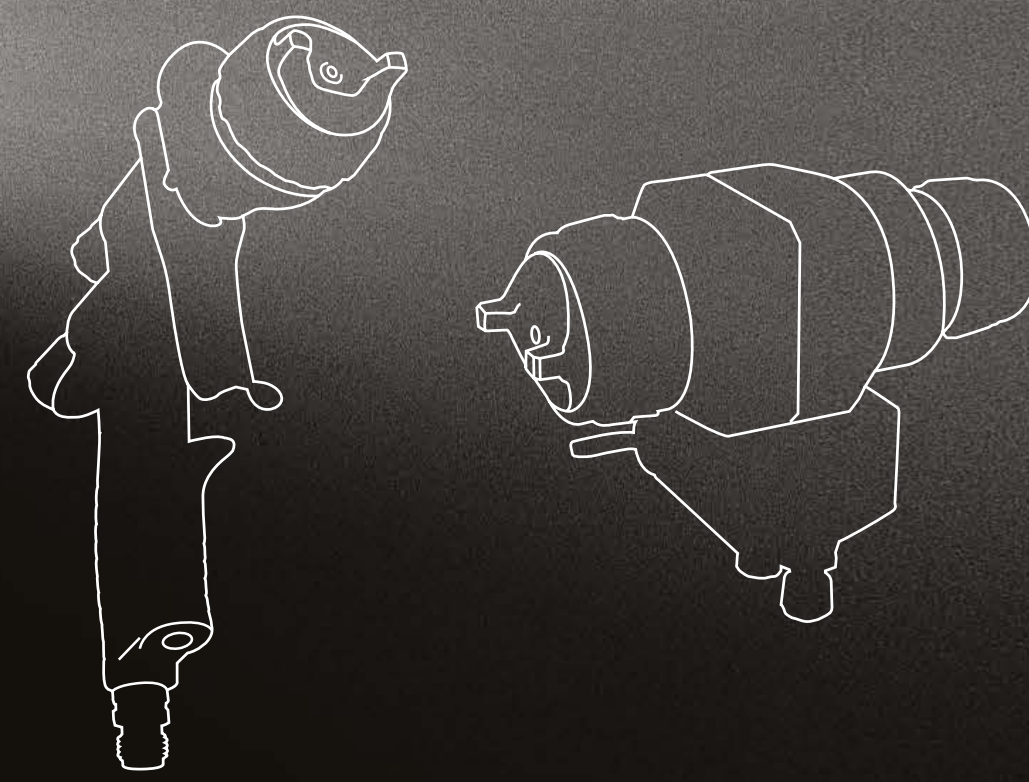


## GET THE BEST FROM YOUR GUN

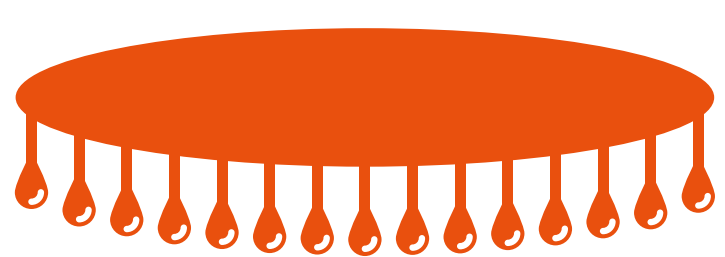
The Best Spray Patterns For Optimum Quality



### STATIC SPRAY PATTERN TEST

The static spray pattern test is undertaken to ensure the consistency and the size of the spray pattern

Procedure: make a horizontal spray pattern by holding the trigger until sagging occurs (see examples below for analysis)



GOOD

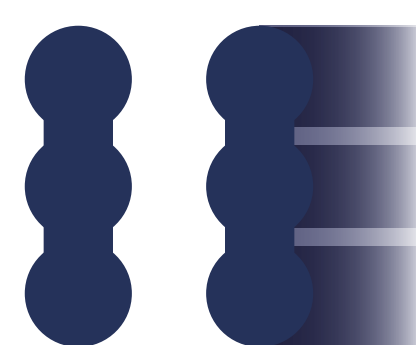


BAD



**DEFECT FREE SPRAY PATTERN**

- GOOD SPRAY PATTERN DIMENSIONS
- SYMMETRICAL
- UNIFORM (SEE STATIC SPRAY PATTERN TEST)

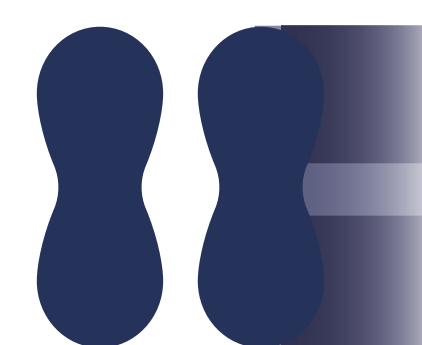


**TROUBLESHOOTING POSSIBLE REASONS**

- FLUID FLOW TOO HIGH, OR VISCOSITY TOO LOW

**SOLUTIONS**

- REDUCE FLUID PRESSURE OR THE NOZZLE DIAMETER
- CHANGE THE FLUID VISCOSITY

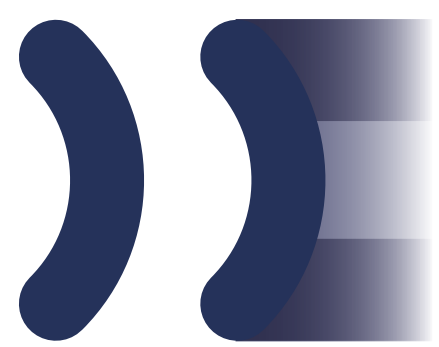


**TROUBLESHOOTING POSSIBLE REASONS**

- FLUID FLOW TOO LOW
- PRESSURE TOO HIGH
- CAP CENTER BLOCKED

**SOLUTIONS**

- **GRAVITY SPRAY GUN:** REDUCE AIR PRESSURE OR INCREASE THE NOZZLE DIAMETER
- **PRESSURE SPRAY GUN:** VARY THE AIR PRESSURE, INCREASE FLUID PRESSURE OR NOZZLE DIAMETER. CLEAN THE CAP OR CHANGE IT IF THE DEFECT PERSISTS

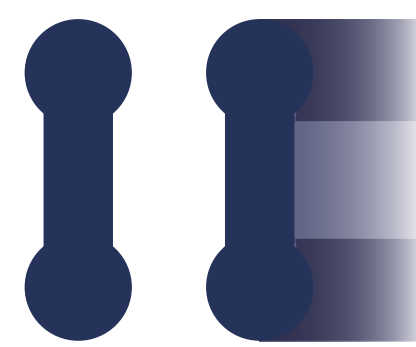


**TROUBLESHOOTING POSSIBLE REASONS**

- NOZZLE OR CAP DIRTY OR DEFECTIVE

**SOLUTIONS**

- CLEAN NOZZLE AND AIR CAP
- ROTATE THE CAP ONE-HALF TURN. IF THE DEFECT IS NOT INVERTED, RENEW NOZZLE, IF IT IS INVERTED RENEW AIR CAP

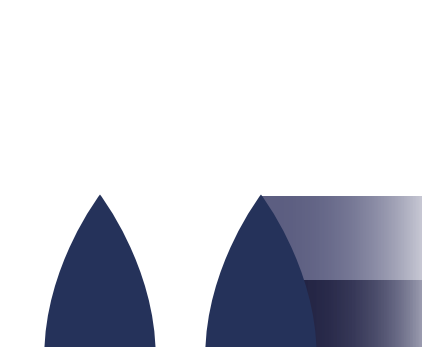


**TROUBLESHOOTING POSSIBLE REASONS**

- FLUID FLOW TOO HIGH

**SOLUTIONS**

- CHANGE TO A SMALLER NOZZLE
- REDUCE FLUID FLOW (NEEDLE/REGULATOR)
- REDUCE ATOMISATION AIR

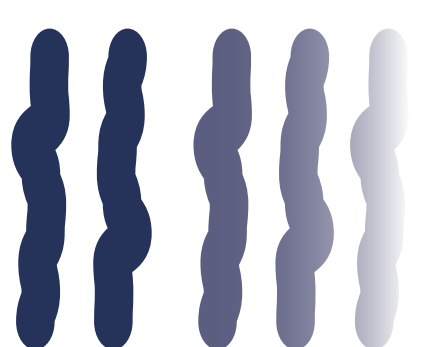


**TROUBLESHOOTING POSSIBLE REASONS**

- MATERIAL TOO THICK, FLOW TOO HIGH
- AIR CAP HORN HOLES BLOCKED
- CAP CENTER DEFECTIVE

**SOLUTIONS**

- DILUTE THE FLUID
- REDUCE THE FLUID PRESSURE OR THE NOZZLE DIAMETER
- CLEAN THE CAP OR CHANGE IT IF THE DEFECT PERSISTS



**TROUBLESHOOTING POSSIBLE REASONS**

- AIR INTAKE AT THE NEEDLE PACKING OR FLUID FITTING
- NOZZLE LOOSE OR FLUID PASSAGE BLOCKED

**SOLUTIONS**

- TIGHTEN OR REPLACE THE NEEDLE PACKING
- TIGHTEN NOZZLE
- CLEAN FLUID PASSAGE
- TIGHTEN OR REASSEMBLE THE FLUID CUP ASSEMBLY



**TROUBLESHOOTING POSSIBLE REASONS**

- NOZZLE OR CAP DIRTY OR DEFECTIVE

**SOLUTIONS**

- CLEAN NOZZLE AND AIR CAP
- ROTATE THE CAP ONE-HALF TURN. IF THE DEFECT IS NOT INVERTED, RENEW NOZZLE, IF IT IS INVERTED RENEW AIR CAP