

WHAT IS MY SPRAY PATTERN TELLING ME?



Analyze the spray pattern to **diagnose and correct** pressure imbalances.



Round and evenly shaped

- > Round and full circle
- > Uniform thickness
- > Evenly shaped spray pattern

DIAGNOSIS

- > Good spray pattern
- > Pressure in balance
- > Temperature in balance



Uneven distribution

- > Looks like 'fire hose'
- > Tends to spatter & splash surface
- > Uneven foam distribution

DIAGNOSIS

- > Undesired spray pattern
- > Temperature too low



Hollow center

- > Looks like 'doughnut'
- > Hollow center
- > Raised portion on outer perimeter
- > Still provides full spray pattern

DIAGNOSIS

- > Undesired spray pattern
- > Temperature slightly too high



Two patterns

- > Two separate spray patterns

DIAGNOSIS

- > Undesired spray pattern
- > Temperature too high on hose heat or primary heater



Uneven shape

- > Uneven circle
- > Uneven distribution of foam

DIAGNOSIS

- > Dirty ports in mixing module
- > Too much air on air cap
- > Build-up of foam on air cap/spray tip



Dark, crusty, flat foam

- > Dark, coffee-colored
- > Crusty and brittle
- > Foam not rising up

DIAGNOSIS

- > Lack of resin (part B)
- > Only isocyanate (part A) comes out
- > Low resin gauge indicates resin starvation
- > High resin gauge indicates resin restriction



White, fluffy, soft foam

- > White and fluffy
- > Soft and sticky
- > Foam not rising up

DIAGNOSIS

- > Lack of isocyanate (part A)
- > Only resin (part B) comes out
- > Low iso gauge indicates iso starvation
- > High iso gauge indicates iso restriction

