



# 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**

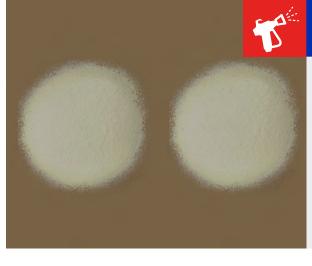
- Looks like 'doughnut'
- > Hollow center
- > Raised portion on outer perimeter
- > Still provides full spray pattern

#### DIAGNOSIS

Undesired spray pattern

> Temperature slightly too high

spray pattern



# 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-coloredCrusty and brittle
- > Foam not rising up

# DIAGNOSIS

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



# White, fluffy, soft foam

- White and fluffySoft and sticky
- Foam not rising up

# DIAGNOSIS

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



