

FLASHJET® Service Bulletin

<i>Bulletin Title:</i>	Prevention of Foreign Objects Lodging in Dry Ice Particle Delivery Nozzle
<i>Bulletin No.:</i>	3.13.00-1

<i>To:</i>	FLASHJET System Users
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<i>Priority:</i>	Medium
<i>Safety Level(s):</i>	CAUTION(s) (See Below)
<i>Problem Description:</i>	Debris in Compressed Air/Dry Ice Particle Stream becomes lodged at Dry Ice Particle Delivery Nozzle exit. Debris lodges at exit due to debris size being greater than width of nozzle opening.
<i>Symptoms:</i>	Visible flow of dry ice particles inconsistent or interrupted at nozzle exit. Extreme conditions may cause complete blockage of dry ice particle flow, followed by loss of compressed air flow, ultimately leading to pellets dumping out of feeder mechanism.
<i>Causes:</i>	Debris is introduced into delivery hoses either during initial FLASHJET installation (or during system moves) or as a result of Pelletizer/Delivery Unit maintenance. Types of debris found lodged in Dry Ice Particle Delivery Nozzle are metal particles, o-ring material, nylon/teflon material, or silicone sealers.
<i>Prevention or Corrective Action:</i>	<p>During System Moves or Pelletizer/Delivery Unit Maintenance, protect any exposed, removed delivery hose ends by placing appropriate size caps to prevent debris entry.</p> <p>Upon initial FLASHJET installation (or after system moves), Dry Ice Particle Delivery Nozzle should not be connected until Dry Ice Particle Delivery Hoses are purged of any possible debris. This requires securing hose end(s), then starting compressed air stream for about 10 seconds, then stopping. Dry Ice Particle Delivery Nozzle can then be installed.</p> <p>After Pelletizer/Delivery Unit maintenance, disconnect delivery hoses from delivery units (downstream of feeders), and start compressed air stream WITH feeders ON for about 10 seconds, then stop. Then re-connect delivery hoses.</p>
CAUTION:	With Dry Ice Particle Delivery Nozzle disconnected, delivery hose must be properly secured to a rigid structure to prevent personnel injury or other damage.
CAUTION:	Do NOT Stand in path of delivery stream. EAR Protection MUST be worn during compressed air/dry ice particle delivery.