Production and Filling Considerations for Aerosols
Aerosol Operations

Container Handling

Product Filling

Gravity
Positive Displacement
Net Weight
Aerosol Operations

Container Handling

Product Filling

Gravity

Positive Displacement

Net Weight
Valve Insertion

1 “ with dip tube
1” without dip tube
20 mm with dip tube
Bag on Valve
Crimping

1” Internal

1” External

13 mm – 20 mm Bottle

Vacuum

Non-Vacuum
Propellant Filling

TTV Through the Valve

UTC Under the Cup

Positive Displacement / Impact

Equilibrium Time
Barrier Filling

Piston

Bag On Valve

Sepro
Testing – Hot Water Baths

Magnetic

Gripper Style

Rotating

Roll Through
Equipment

Following are some examples of Equipment that may be used
Inline Indexing

DL Series Inline Machine

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ROTARY INDEX
CONTINUOUS MOTION
ROTARY

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Rotary Propellant Charger
CAN FEEDER

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Can Feeder
CONTAINER FEEDER

Container Feeder

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DEPALLETIZER

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Valve Insertion
Valve Insertion
CRIMPING

3-STAGE CRIMP CYLINDER

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LPAV
PROPELLANT ACCUMULATOR

Electric Propellant Accumulator

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PROPELLENT CHARGER
Gasser / Plugger

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T T T T E R C O ™
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Gasser-Plugger
MAGNETIC WATER BATH

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Magnetic Water Bath
GRIPPER WATER BATH

Gripper Style
Hot Water Leak
Test Tank

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OVERCAPPING

Rotary Overcapper
AND

OF GREATEST IMPORTANCE

SAFETY
RESOURCES

- Participation in the following activities:
RESOURCES

• CSPA Committees: *Aerosol Manufacturing and Storage Standards, Test and Scientific Methods, Commercial Standards.*

• CSPA propellant safety manual, *Aerosol Propellants, Considerations for Effective Handling in the Aerosol Plant and Laboratory.*