

# OpAd Sprayer Range

## Pre-compression Snap-On Sprayers

### Characteristics

- OnePak™ pre-compression engine - drip free, no leakage & always primed (*for more information, see page 2*)
- All plastic polyolefin sprayer – 100% recyclable, no metal used
- Fast, automatic and manual capping
- Variable output
- Certified child-safe for Europe & USA

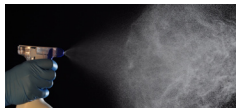


### Spray Patterns



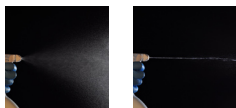
#### Spray-off, narrow angle

Round misty spray,  $\approx 50^\circ$



#### Spray-off, wide angle

Round misty spray,  $\approx 65^\circ$



#### Spray-off / Stream

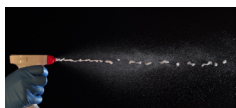
Round misty spray / Straight jet stream

### Foam Patterns



#### Foam-off, vented

Airy foam



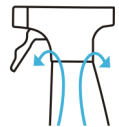
#### Foam-off, vented mesh

Creamy foam

- **Closures** Snap-on and Child-Safe Snap-on, Refill caps
- **Output** PP  $\approx 1.05$  & PET  $\approx 1.15$  cc per stroke
- **Dip Tube** Curved "V-cut"
- **Trigger** Standard 2 fingers

### Options

**Passive venting** Continuous release of gases without activating the trigger



**Upside down spraying** Non-leaking & fast venting, no loss of prime,  $360^\circ$



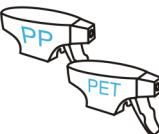
**Labels** Unique communication opportunity with tamper evidence possibilities



**OpAd HN** For larger container volumes with extended dip tube



Polypropylene (PP) and PET options for functional & chemical resistance



- **Colors**  
Opaque  
Translucent  
Customizable

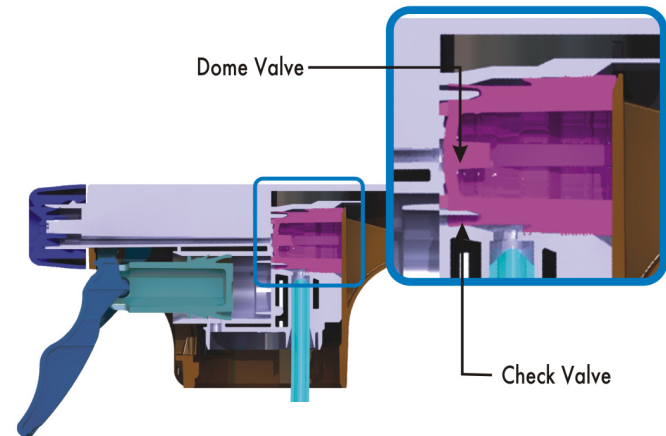


# OnePak™ Pre-Compression Technology

AFA Dispensing Group

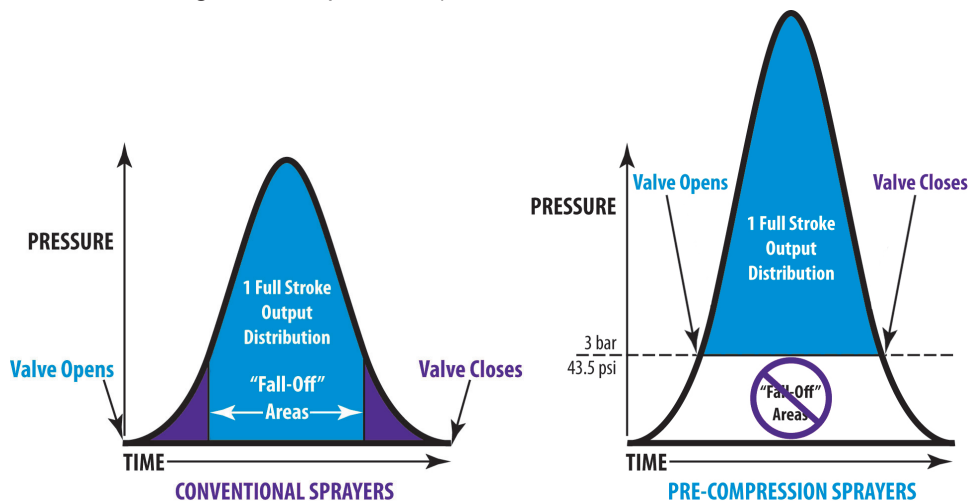
## OnePak™ Pre-Compression

- Compression is created when the piston is pushed into the sprayer.
- The liquid will seek the path of least resistance and attempt to leave the sprayer.
- The check valve is bias-closed, stopping the flow of liquid back into the dip tube.
- When liquid pressure reaches 3 bars / 43.5 psi, the priming dome valve “pops” open.
- This sudden release of the dome causes the liquid to be dispensed at high velocity creating very effective and consistent spray and foam patterns.



## Note

Unlike conventional sprayers, the pre-compression valving of the OpUs and OpAd causes the entire volume of the product output to be discharge at one time when the trigger is fully actuated. This functionality virtually eliminates liquid “fall-off” or “boulders” (large droplets of liquid) from the start of actuation and the release of the trigger (Reference the Histogram example below).



## Pre-Compression Benefits

- Highly-efficient and comfortable spray action
- Powerful drip-free dispensing
- Superior spray & foam patterns
- Consistent droplet size
- No leakage when nozzle is open
- Once primed, always ready for use
- Quick efficient valve function, low strokes to prime

## Did you know?

OnePak™ sprayers are the only pre-compression sprayers in the market with...

- variable output (1.15 cc to 1.6 cc)
- screw (continuous thread) closure and snap-on capability
- 100% recyclable plastics
- no metal components