Airless Drug Delivery Systems
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Redefining Dermal Drug Delivery

New Airless+ Range – Up-to-date with Current Pharma Regulations

- Wide range of actuator shapes
- Precise dosing of viscous formulations
- Dose volumes from 90µl to 1500µl
- Container sizes from 5ml to 200ml

How Does Airless Technology Work?

1. Press actuator to dispense product from dosing chamber
2. Release of actuator fills dosing chamber from container
3. Lower piston moves up to balance any pressure in container
Meeting a Growing Market Need in Dermal Drug Delivery

**Safety**
- Protection and longer life of sensitive formulations
- Airtight to protect the formulation
- Environmentally friendly, only polyolefins used

**Reliability**
- Precise dosing of viscous formulations
- Robust packaging

**Experience**
- Pleasant to use
- Good customer experience
- Premium look and feel
- Solution choice for premium brands

**Convenience**
- Easy-to-use
- Clean, no-mess application
- 360° dispensing
- Easy-to-empty
- On-the-go sizes

**The Aptar Promise**
- Delivering solutions, shaping the future

**An offer built around customers**
- Analytical services, regulatory expertise, GMP, working together for better outcomes

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A Wide Range of Features to Meet Brand Needs and Enable Differentiation

- Self-Sealing Actuator option to ensure clean dispensing and avoid drying or clogging
- Patented membrane system to protect against environmental exposure
- Child-Resistant Senior-Friendly (CRSF) feature
- First-to-market CRSF dispenser for semi-solid formulations
- Airless on-the-go options
- Convenient sizes for easy use and physician sampling

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Over 50 Successful Healthcare Product Launches Worldwide

Why Partner with Aptar Pharma for Your Next Dermal Drug Project?

We offer full support for each project step
- Facilitating packaging development
- Customized marketing samples & mock-ups
- Compatibility testing & lab services
- Dedicated Technical and Filling Support for Airless Systems
- Experienced Regulatory Affairs teams
- Global CMO network and excellent equipment vendor contacts