



DAVIS-STANDARD®

Where your ideas take shape.

BLOWN FILM

TRIPLE LIP AIR RING

OVERVIEW

The Davis-Standard Triple Lip Air Ring provides the latest technology in bubble cooling, featuring a triple-lip design in place of complex stacked air rings. The design incorporates an elevating device and profile control. Output performance is dramatically improved with the high stalk bubble shape while gauge variation is minimized using patented air flow actuation technology. The Davis-Standard system allows for simple installation, ease of use and minimal capital cost.

KEY FEATURES

- Output increases of 25-50% when used with Vertex dies and new IBC air stack
- Greater BUR top end range possible to 4.5:1
- Bubble shape lends itself to better film properties
- Extremely effective gauge control by manipulation of all three air streams at high rates
- Fast response using air volume profile control
- Energy efficient design
- Ease of use over stacked air ring configurations; one blower to adjust
- Convenient access to die lips for cleaning and maintenance
- Minimal operator adjustment required
- Requires only one blower and one air cooler

TRIPLE LIP AIR RING

SPECIFICATIONS

- Sizes from 6" to 24" (152.4mm to 609.6mm)
- Available in manual and automatic profile control configurations
- Customizable lip geometry for specific products and blow up ratio needs
- Outputs typically increased 25 to 50% with tighter gauge profile performance when used in conjunction with DSB screws and Vertex Dies
- Request specific rates on your products with pilot line trial
- Data available comparing physical properties of PE blends that allow for further down gauging

VERTEX BLOWN FILM DIES PAIRED WITH THE COOLING OF TRIPLE LIP AIR RINGS PROVIDES MAXIMUM RATE

- Open center air passage through die for high volume IBC
- Excellent thermal isolation from IBC, preventing "cold" spots in die

REQUIREMENTS FOR CONSIDERATION FOR RETROFIT OF TRIPLE LIP AIR RING

- Extrusion and blending capacity
- Die capacity and design compatibility
- IBC design
- Blower size
- Line speed and treating capacity
- Marketed in North America with an exclusive agreement with K Design GmbH.

