

# SINUS DILATION DEVICE

## TECHNICAL FIELD

Medical Device

## APPLICATION

This device allows a single hand to manually control expansion of a dilation balloon on a rigid curved shaft, while providing the option of simultaneous suction.



## DESCRIPTION

This device gives the operator the ability to deploy a dilating balloon mechanism by means of a specially designed pistol grip. The balloon is manually inflated in two stages as the first and second trigger are pulled. The locking mechanism allows the operator to overcome large forces of pressure. The device also includes a release button to deflate the balloon.

The balloon is attached to the distal end of the rigid shaft, just after an angulation in the shaft that improves access. The balloon is inflated by a small diameter tube in such a manner that expansion and suction can be achieved simultaneously. The suction function operates independently of the dilation and can be operated separately.

## ADVANTAGES

- Single-handed dual-stage dilation balloon expansion
- Dilation and suction function separately and simultaneously
- Angled, rigid shaft improves sinus access

## INVENTOR

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## STATUS

US provisional patent  
application filed with  
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