

Skin Tolerance Curve

Tear duct Occluder™ includes a failure mechanism to protect against excessive pressure. The maximum pressure that the device can apply to the nasal aspect of the orbital rim is limited to 200 mmHg (or 3.9 psi). Reswick & Rogers Time-Pressure Curve, 1976, shows that human skin can tolerate 200 mm Hg of pressure for 1.5 hour over bony prominences surface. The effect of wearing Tear Duct Occluder™ under such condition is unknown. However, it should be safe to wear this device for 5 minutes at a time as stated in FDA approved device patient labeling.

