

# AXION® MSR



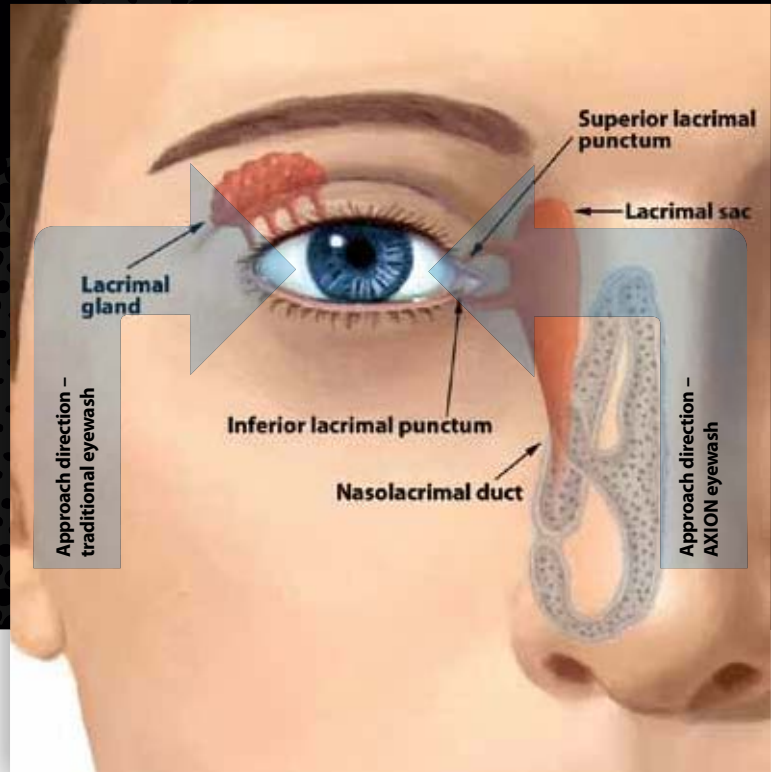
## MEDICALLY SUPERIOR RESPONSE®

The AXION MSR - Medically Superior Response® eye/face wash is the only eyewash system that operates in concert with standard healthcare protocols and the natural function of the human eye. Medical professionals flush injured eyes from the inside corner of the eye outward to prevent contaminants from entering the nasal cavity. AXION MSR uses an industry exclusive outward flow to ensure a medically superior eyewash like that of eye care professionals.



# PROTECTION FOR THE HUMAN EYE

## THE LACRIMAL SYSTEM



The human eye is equipped with an automatic lubricating and cleansing mechanism, called the lacrimal system. It consists of the lacrimal gland which produces tears, ducts that channel tears from the lacrimal gland to the ocular surface, and the lacrimal punctum – a drain which channels excess fluids away from the ocular surface. Importantly, the lacrimal punctum drains excess fluids directly into the nasal cavity. This process is the reason why your nose runs when you cry.

If, for example, a chemical is introduced into the eye, nature's own cleansing mechanism can serve to force the contaminant into the nasal cavity, where it can be breathed into the lungs or swallowed. The ideal approach in chemical or particulate injuries is to sweep contaminants away from the lacrimal punctum!



The AXION MSR eye/face wash by Haws® is the first and only eyewash specifically designed to operate in concert with standard healthcare protocols and the natural function of the human eye.

In addition to the AXION MSR medical innovations, this product has a number of features that set it apart from any other eyewash on the market:

- **INVERTED EYEWASH STREAMS**

AXION MSR eyewash streams are inverted compared with the traditional eyewashes. AXION MSR streams contact the eyes at the inner canthus or corner, adjacent to the bridge of the nose. Contaminants are then swept to the outer edge of the eye, where gravity takes over and runs them into the eyewash bowl.

- **LAMINAR FLOW EYEWASH STREAMS FOR GREATER STREAM CONSISTENCY**

Another first is the use of laminar flow engineering in the eyewash streams. In simple terms, a laminar flow is one in which there is an absence of turbulence, because the stream is "built" in layers. The result is an even, comfortable, predictable stream height and circumference.

- **"ZERO VERTICAL VELOCITY" ENGINEERING FOR MAXIMUM VICTIM COMFORT**

Next, because AXION MSR eyewash streams are almost vertically oriented, they "stall" at a prescribed height. When the stream exhausts its vertical velocity, it softly turns outward and begins to fall off horizontally. This action causes a slight puddling of the flow in midair before it returns to the eyewash bowl. It occurs directly at the optimal contact point with the eye, making for a more pleasant and effective irrigation experience.

# AXION MSR :: MEDICALLY SUPERIOR RESPONSE®

“I worked with the Haws® Corporation to launch AXION MSR emergency eye/face wash products. HAWS recognized that traditional configurations for irrigating injured eyes were at odds with the protocols used by healthcare professionals. That is, traditional eyewash designs can actually sweep contaminants toward the inner corners of the eyes.

AXION MSR eye/face wash features the only inverted flow streams specifically designed to operate in concert with standard healthcare protocols.”

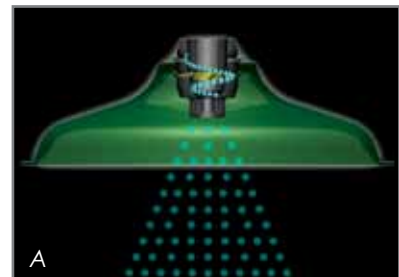
OPHTHALMOLOGIST :: Robert S. Wolff, MD



The medical profession teaches and practices irrigating eyes by introducing flushing fluid at the inner corner of the eye – adjacent to the nose – letting it run across the eye to the outer edge. This is specifically done to avoid driving contaminants into the lacrimal punctum and the nasal cavity. The accepted medical practice is counter to the way that traditional eyewashes operate and can result in further injury to the splash or blown-particulate injured victim. AXION MSR is the only eyewash product that duplicates the methodology used and recommended by healthcare professionals.

## ADVANCES IN SHOWER TECHNOLOGY

The AXION drench shower nozzle uses the latest in hydrodynamic principles to spin inlet water and break it into smaller, discrete droplets (A). It is designed to minimize the strong physical pressure that drives the water to the outer rim of normal shower heads, making the distribution equal across the entire footprint of the flow (B). This innovative design is featured on all shower units, providing a comfortable environment by breaking the streams of water into smaller individual droplets.





# AXION® :: PRODUCTS

AXION products are available in the most popular configurations: combination showers, as well as wall-mounted and pedestal eye/face washes. And, specifiers will be glad to know that the head sets for both eye/face washes and showers have been designed to be a simple retro-fit onto most existing HAWS installations.



## Model 7360B-7460B

Wall-mounted AXION MSR eye/face wash head assembly, with zero vertical velocity stream engineering with even laminar flow for enhanced comfort, stability and effectiveness. Round 11" (28cm) stainless steel receptor and aluminum wall bracket for long life.

## Model 8300-8309

Combination shower features the AXION MSR eye/face wash head assembly with zero vertical velocity stream and even laminar flow and the AXION hydrodynamic showerhead design.



## Model 7261-7271

Pedestal unit includes the AXION MSR eye/face wash head with zero vertical velocity stream engineering and even laminar flow.



## Model 7620

The AXION® eyePOD® is a faucet-mounted eyewash that provides professional business facilities with AXION MSR eyewash irrigation capabilities in an attractive, low cost, compact package.

The AXION eyePOD features an inverted directional laminar flow. As an added safety precaution, the eyePOD features a built-in thermostatic safety valve that will automatically shut off eyewash flows at 100°F (37°C), diverting all water out through the aerator at the bottom of the unit.

# AXION MSR

*Medically Superior Response®... .*

*...Technologically  
Advanced*

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