

# SCREEN ELEMENTS



**DuraWedge® Element**

DuraWedge® is a nonclogging, rugged stainless steel straining element constructed from vee-shaped profile wire. Available only from Eaton.

## Features

- Two point contact straining from the “smooth” side prevents plugging or packing of debris and particles.
- Effective dislodging of dirt, debris and fibers from the element during backwash. This is accomplished by the increased velocity of the reverse flow (during backwash) from the “open side” of the vee.
- Fiber stapling is reduced because of smooth surfaces and the design contour of the profile wire.
- Vertical collector bars form spaces to accumulate debris and dirt, preventing snow plowing of materials by the rotating backwash arm and port shoe.
- No bypass. Elements are sealed.
- Longer service life. All-welded design with circumferential reinforcing bands provides structural integrity.

## STANDARD OPENINGS

### DuraWedge Element

**Model 596** - All Sizes - 1/16, 1/32, 0.015”

**Model 2596** - 10” to 16” - 1/8”, 1/16”, 1/32”, 0.015”, 0.009”

**Model 2596** - 18” to 24” - 3/16”, 1/8”, 1/16”, 1/32”, 0.015”, 0.009”



**Convolute Element**

This is a sturdy, economical stainless steel element for general service use. It is ideal in applications where leaves, twigs and large amounts of miscellaneous debris are encountered.

The generous spaces created by the convolutions provide an area for the debris to collect. “Packing” does not occur due to the gradual contoured shape of the convolutions.

During backwashing the debris is easily dislodged and carried away through the backwash arm and out of the strainer.

## Features

- Circumferential reinforcing bands for added resistance to pressure and flexing ensures long service life.
- Cartridge design for easy removal and cleaning.
- Convolute sections are individually isolated by the port shoe during backwash for increased cleaning efficiency.
- No snow plowing. Convolute profile provides collection spaces for debris.
- Extended area design offered only by Eaton.
- No bypass.
- Sinterbonded mesh available - An Eaton exclusive.

## STANDARD OPENINGS

### Convolute Perf Element

**Model 596** - All Sizes - 1/8”, 1/16, 1/32

**Model 2596** - 10” to 16” - 1/8”, 1/16, 1/32

**Model 2596** - 18” to 24” - 5/32”, 1/8”, 1/16”

### Convolute Mesh Element

**Model 596** - All Sizes - 40 mesh (0.015”), 60 mesh (0.009”), 80 mesh (0.007”)

**Model 2596** - All Sizes - 40 mesh (0.015”), 60 mesh (0.009”), 80 mesh (0.007”)

**Note: Screen element selection is important. A smaller than required opening will reduce the efficiency of the system. Please contact Eaton for prompt expert assistance to ensure proper element/strainer selection.**