

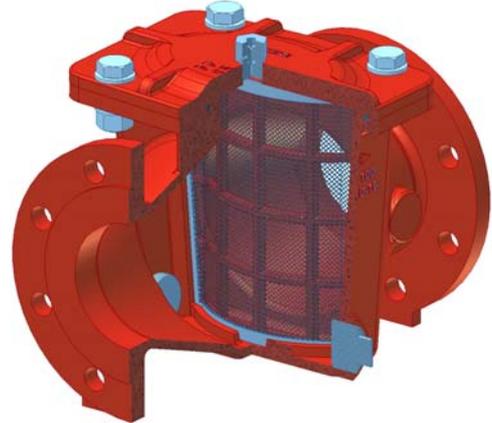
► Installation - Operation - Maintenance

► DESCRIPTION

The CLA-VAL Model AQUA 90-501 H-Style Strainer offers an effective means of removing unwanted solid particles in pipeline flow. These strainers are ideal for preventing fouling, and debris and particle build up in CLA-VAL Automatic Control Valves. The large flow area design, with a flat stain-less steel strainer mesh perpendicular to flow, is ideal for low pressure drop applications.

► MAINTENANCE

The CLA-VAL Model AQUA 90-501 is fast and easy to maintain with the compact H-pattern, requiring service without removal from line. Routine maintenance requires only removal of the top cover and removing unwanted solid particles and debris from valve and wire cloth mesh strainer. The strainer may be installed in any position, however, installation with cover up is recommended.



► INTRODUCTION

When ordering wire cloth, mesh size and wire diameter are critical dimensions.

► MESH SIZE

Mesh size can be indicated by three different terms: Distance Between Wires, Mesh per Inch, and Space Size.

► THE DISTANCE BETWEEN WIRES

The Distance Between Wires dimension is the distance between adjacent wires, measuring from the center of both wires. The Mesh per Inch dimension is the number of openings within an inch of the wire cloth. This dimension is expressed as two numbers, such as 3 x 3, which means there are three openings horizontally and three openings vertically in one inch.

► THE SPACE SIZE DIMENSION

The Space Size dimension, also known as clear opening, is the actual open space between adjacent wires. This term is unique to space cloth.

► WIRE DIAMETER

Wire diameter indicates the thickness of the wire. As the wire gets thinner, the opening width and open area dimensions get larger within wire cloth of the same mesh size. For example, 2 x 2 mesh size with 0.120" wire diameter has 57.8% open area, compared to 2 x 2 mesh with thinner 0.047" wire diameter, which has 82.1% open area. Also, as the wire diameter decreases, wire flexibility increases.

► DESCRIPTION

Mesh designates the number of openings and fractional parts of an opening, per lineal inch. Mesh is determined by counting the number of openings from the center of any wire to the center of a parallel wire, one inch in distance. When the point one inch distant from the center of a wire falls between wires within an opening, the mesh count is expressed as a fraction.

Note: When ordering parts always refer to the catalog number and stock number on the valve nameplate.

Wire cloth is offered in six different styles to meet the demands of your particular requirements. For more information about each style, please contact a CLA-VAL Regional Sales Office.

