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# S-76 PAD HOLDING FRAME

## COST EFFECTIVE AND LOW MAINTENANCE

The Smith S-76 PAD HOLDING FRAME is designed with simplicity in mind. The Galvanized Steel frame gives the strength and life expectancy of a permanent filter without the hassle of having to take the filter to another location to have it cleaned, dried and then brought back to the air handling unit. After the initial cost of the S-76 frame, replacing the pad is very inexpensive. The Galvanized Frame can handle air velocity up to 550 FPM where as Fiberglass and Polyester filters can only handle up to 350 FPM. Media available: Fiberglass, Polyester, Pleated, Foam, Hog Hair, Poly Flo, and a variety of Paint Arrestor material. Smith Filter carries each of these products, in both bulk rolls and cut to size pads.

**CONSTRUCTION** - Standard Frame is made from Rigid 24 gauge Galvanized Steel, commercially known as Hot Dip G-90. There are two back grids available: 28 gauge Galvanized Steel, expanded through .055 feed and also, 1"x1" galvanized wire, spot welded together at each section. Both backings are folded securely inside of the frame to give the backing extra strength to hold the pad into place.

Stock sizes are made with 1x1 wire and special sizes are made with expanded. If backing needs are different than what is standard, please specify when ordering. Frames also available in Stainless Steel, Aluminum and 16 gauge Galvanized Steel.

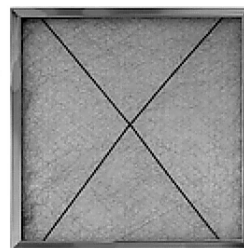
**X-WIRE and HINGED GATES** - Retaining wires are available at Smith Filter to hold the media into the S-76 PAD HOLDING FRAME. The X-WIRE is two Galvanized wires, welded in the center to form an X. This retaining wire is a simple, economical way of retaining the media. The HINGED GATE is a retaining gate, designed to be permanently attached to the frame on one side, allowing the media to be easily removed and replaced without having to hold onto the retaining wire during the process. Also made with Galvanized Steel wire, the Hinged Gate is bent so it holds the media on all four sides, keeping the media from sliding or coming out while in the air handling unit. Each retainer is available at a small additional cost. Larger frames may require more than one retainer to hold the media effectively.

There is a variety of applications the S-76 PAD HOLDING FRAME can be used in. Some of these include: Paint Booths, residential units (air conditioners and heaters), roof top units, unit ventilators, computer (air intake), machinery, and many other applications where up to 550 FPM air velocity is required.

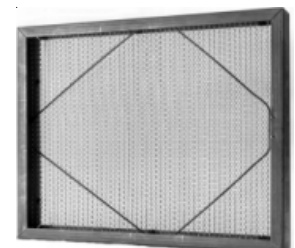
**STOCK SIZES** - A wide variety of stock sizes are carried at Smith Filter, and available for immediate shipment. Actual size of "stock filter frames" are 1/2" under on length and width, 1/8" under in depth. (Example: 20x20x1 is actually 19 1/2 x 19 1/2 x 7/8). Stock size backing is made with 1x1 wire.

**SPECIAL SIZES** - Custom sizes are made to the customers exact specifications. There is no minimum order on these special sizes (as well as stock sizes). Special size backing consists of expanded media. Available in depths from 1/2" to 6" thick.

**CLEANABILITY** - The greatest advantage of the S-76 PAD HOLDING FRAME is that the cleaning process is very simple. The only thing needed when changing "filters" is the media. Simply remove the S-76 from the air handling unit, open the retaining wire and remove the dirty media. If need be, gently brush off the backing if any dust or dirt has gotten through the existing media. Take a clean pad of cut to size media, place it into the pad holding frame and put the retaining wire back into place. Put the frame back into the unit and you are finished. Labor costs are kept to a minimum as cleaning is eliminated. This frame pays for itself within months.



X-WIRE



HINGED GATE