

Standard Specifications:

DIMENSIONS

1. The outer dimension of the wire frame is 3/4" under the nominal filter size in each direction for a single panel.
2. The width of a link panel shall be 3/4" under nominal size from wire to wire.
3. The total length of a link panel shall measure the nominal size from wire to wire when fully extended.
4. A 1.5" gap from wire to wire exists between all link panels
5. All custom panels sizes are considered nominal and support frames are 3/4" under listed size unless EXACT is specified.
6. Wire support frames for custom link panels will be produced using the least amount of frames to produce the desired length unless desired wire support sizes are specified.

WIRE RINGS

7. All wire is 9 gauge galvanized steel.
8. All welds are butt-welded for added strength. No spot welds are used. 4. If the shortest nominal distance is less than 10", no cross support piece is welded to the frame.
9. If the longest nominal filter distance is 20" or under, one cross piece is welded to the middle of the wire frame. A 20"x20" filter is the only exception to this specification. It uses two cross pieces.
10. If the longest nominal filter distance is greater than 20" and less than 36", then two cross pieces are welded equally spaced within the wire frame.
11. If the nominal filter distance is greater than 36", then three cross pieces are welded equally spaced within the wire frame. Extremely large frames may need additional cross pieces.

MEDIA SPECIFICATION

12. All panels are dielectrically or ultrasonically sealed for strength.
13. The media seal is a full 1/4" for added strength.
14. At least one center media seal will exist between each crosspiece and the outer support walls to reduce media flutter and sagging when in use.
15. The media shall overlap the wire support frame by 1-2" in every direction.

Panel Varieties:

STANDARD SIZE SINGLE PANELS

These are the most common single panels. They are one piece filters. There is only one wire support frame that spans the entire dimension of the filter.

Model Numbers

EX. 1 (ST55R-2020) EX.2 (SAR1P20-2424)

The first four digits of the model number identify the media type used. The fifth model number is equal to R or P to identify a single panel. If there is a sixth and seventh digit before the hyphen, this identifies the quantity per case. The first two digits after the hyphen identify the panel width and the last two digits identify the length.

STANDARD SIZE SINGLE PANELS CONTINUOUSLY LINKED

These panels have the same specifications as the standard panels above. These panels are linked together on one side throughout the box forming one long link panel. The benefit of this configuration is the ability to manually cut a single filter of 20x20 or 2 filters to make a 20x40, or 3 filters for a 20x60, etc. The model number has a C at the end to identify continuous.

STANDARD SIZE LINK PANELS

These link panels are standard long sizes which require more than one frame to produce the desired length. The width can be from 6" to 30" and the length can be from 12" to 1200".

Model Numbers EX. 1 (ST55L-20100-25)

The first four digits identify the media. The fifth digit L identifies a Link. The first two digits after the first hyphen equal the width and the next two to three identify the length. The final two digits after the second hyphen identify the length of the wire support. In this example 4-20x25 panels are linked to make a 20x100 filter. In some cases, the quantity is listed as the last entry, or as the first entry after the L.

CUSTOM SIZE SINGLE PANELS

Custom size single panels are made exactly as the standard single panels, however are made to any size specifications ranging from 6"x6" to 30"x50".

Model Numbers EX. 1 ST55RCS-1199

The digits after the hyphen equal the square inches of the panel desired. A 16.5"x22.75" panel equals 376 square inches and should use the 399 model number range.

CUSTOM SIZE LINK PANELS

Custom size link panels are made exactly as the standard link panels, and the model numbers are produced exactly the same as the custom single panels, except there is an

Standard specifications:

FILTER DIMENSIONS

1. One pocket cubes are trapezoid in shape and taper in all four directions.
2. Two and three pocket cubes are tapered on top and bottom.
3. The depth of the filter has a tolerance of $-1"/+1"$
4. The outer dimensions of the self-supportive frame are $3/4"$ under nominal size from wire to wire. The 1-2" media overlap fills the remaining space to act as a gasket.
5. Headered cubes have an outer dimension $3/8"$ under nominal size. Headers are $7/8"$ in width.
6. Two and three pocket cubes have uniform pocket widths.
7. Custom sizes will not be considered without minimum quantities exceeding 100 pieces.

WIRE SUPPORTS

8. All wire supports are made from 9 gauge galvanized steel.
9. All welds are butt-welded for added strength. No spot welds are used.

MEDIA

10. All pockets are sewn for strength.
11. The filter pockets are ultrasonically welded around wire frame.
12. $1/2"-1"$ media overlaps the stitching seam on the inside of the pockets.
13. Two pocket and three pocket cubes are welded at least 4" around crosspieces to open the pockets.

Cube Varieties:

Cubes are also available as self-sealing, similar to a panel filter, or with a metal header. The model numbers identify the size, number of pockets, and self-sealing or header.

Model Numbers EX. 1 (CUB3225T-162520H)

The first three digits identify that it is a cube filter. The fourth digit identifies the number of pockets (1-3) and the fifth through eighth digits identify the media type. The first two digits after the hyphen identify the width. The third and fourth digits after the hyphen identify the height, and the fifth and sixth digits after the hyphen identify the depth of the pocket(s). If there is an H at the end of the model number, then there is a Header around the cube.

Standard specifications:

MEDIA ROLLS

- Roll lengths are +/- 5% and widths are -0/+1/2".
- Maximum roll widths are:

SA600-G10	90.55"
SAR-1	90.55"
All other polyester medias	110"
Fiberglass media	84"
- Roll Lengths are:

SA600-G10	792"
SAR-1	100 ft.
FP3	50 ft.
1GT	90 ft.
PS125	90 ft.
All other polyester media	100ft.
Fiberglass media	300 ft.
- Any width can be custom cut from 6" to maximum width for any media product.
- Rolls are bagged in minimum 3-mil clear plastic bags.
- Rolls are identified with a tag on top of each bag.
- Rolls are individually packaged on LTL orders.
- All rolls are knife cut without the use of hot wires.

MEDIA PADS

- Pad dimensions are -1/4"/+1/2" in each direction.
- SA600-G10 and SAR-1 pads are bagged and boxed. Full perimeter of box is also taped.
- All other pads are boxed only.
- Fiberglass pads are available in vacuum-packed form. 25 pads per bag and 4 bags in each box for 100 filters per case.
- SA600-G10 pads are folded exit side to exit side and rolled to prevent contamination from collecting on the exit side of the media.
- All rolls are knife cut without the use of hot wires.

MEDIA

Each media has its own specifications for weight per square foot, loft, chemical resin weights, tackfier weights, MSDS sheets, etc. These documents may be obtained by contacting our corporate office.

Media Varieties:

SA600-G10

Each SA600 media pad and roll has its own model numer. No custom sizes are used for this media type.

Model Number

EX. SA600-361 or SA600-1001

The first 5 digits identify the SA600-G10 media. If there are three digits after the hyphen then it is a pad. If there are four digits after the hyphen, then it is a roll. Model Number descriptions must be looked up to identify the correct size, and each model number has a specific case quantity.

SAR-1

Each SAR-1 media roll and pad also have their own model number.No custom sizes are used for this media type.

Model Number

EX. SAR1M-24120 or SAR1R-55

The first 4 digits identify the SAR-1 media. If the fifth digit is an M, then its a media pad, if its an R, then its a media roll. For the pads, the first two digits after the hyphen identify the pad width in inches, and the remaining digits identify the pad length in inches. For the rolls, the remaining digits identify the roll width in inches.

1GT

1GT media is available in rolls, pads and custom pads. All model numbers start with 1GT. The fourth digit is R for roll, P for pad, and C for custom. After the hyphen, the digits for rolls equal the roll length, the pad size is only listed in the description, and the digits following the hyphen for custom pads signify the total square inches for the custom pad.

330G, 331Y, 332

Fiberglass media are available in rolls, pads, custom pads, and vacuum packed pads. For the 330G and 331Y, the first two digits after the hyphen identify the roll length and if the last digit is a 0,1,or 2 then the length equals 200 ft. and if it equals 3 then its 300 ft. The 332 uses a "-300" for all 330 ft. rolls. The pads sizes are listed after the hyphen and if there is a 0 as the first digit after the hyphen then the last two digits are the pad width. If there is a V as the fourth digit, then the pads are vacuum packed.

FP3

If there are only two digits after the hyphen, then its a roll and the width equals the two digits. If there are four digits after the hyphen, then its a pad and the dimensions are listed. Custom pad square inches are also listed after the

Conversion Formula for square inches to square feet

HOW TO FIND CUSTOM PAD PRICING

SA600-G10 and SAR-1 Custom Media Pads

First find how many square feet are in the custom pad

Do this by taking the length times the width in inches and dividing by 144.

Example: $53.5 \times 24.5 = (53.5 \times 24.5 / 144) = 9.10$ square feet

Second, multiply the square feet of the pad by the LIST price

(SA600=\$4.00 sq.ft./SAR1=\$2.00 sq.ft.)

Example SA600 G10 pad: $53.5 \times 24.5 = 9.10$ sq. ft. so I multiply $9.10 \times 4 = \$36.40$ LIST price for that pad

Third, find the list price by multiplying the LIST price by the MULTIPLIER from the IDC code list

The SA600-G10 multiplier for a jobber is .35 so I take $\$36.40 \times .35$ and that is their cost (SA600=S1/SAR1=S2)

The multiplier list is at the back of the catalog, and each product has a different multiplier

Check your IDC code reference in the catalog to verify you are applying the correct multiplier

We will then create a part number for that size and will include the part in our next catalog.

All other custom media pads

For all other medias, a custom range has been established. To find the correct part number, simply multiply the length times the width in inches to get the total square inches of the pad.

EXAMPLE: $30 \times 30 = 900$ square inches.

Second, find the range that the part numbers falls in. For this size, the part number should be ****-900-999. This signifies any pad from 900 to 999 square inches.

Be sure to include the exact size pad you want with the custom part number.

Custom media rolls

We can make any width roll desired for polyester or fiberglass medias. The polyester media can simply be cut in house on our band saw, the fiberglass must be custom run from the glass plant and will have a longer lead time.

There is a \$2.00 custom slit charge for custom width poly rolls. Please call customer service for custom roll pricing.

A good general guide is to take a similar standard roll, and divide the LIST price by the inches in width. Then multiply the inches in width by the desired width and add a \$2.00 slit charge.

EXAMPLE: A 20" wide roll of 1GT media is LIST price is for \$175.00. If you want a 22" roll, divide 175 by 20 = \$8.75

The list is \$8.75 per inch of width. Then multiply \$8.75 times 22 = \$192.50

Then multiply the new price by your multiplier for the particular media desired, and add \$2.00 to the net figure.