
STANDARD CONSTRUCTION
FRAME:

ROLLFORMED ALUMINUM.
THICK EXTRUDED ALUMINUM FOR UNITS WITH EITHER WIDTH OR HEIGHT 18" OR LARGER.
FRAME IS ASSEMBLED USING CORNER CLIPS TO ASSURE HAIRLINE MITERED CORNERS.
FRAME IS DESIGNED TO ACCOMMODATE 1" THICK DISPOSABLE FILTERS BY OTHERS OR 1" THICK WASHABLE FILTER MEDIUM PROVIDED AT THE FACTORY.

FACE:

51% PERFORATED FACE PLATE
(3/16" HOLES, 1/4" STAGGERED CENTERS)

OPTIONAL:

1" THICK WASHABLE FILTER MEDIUM.

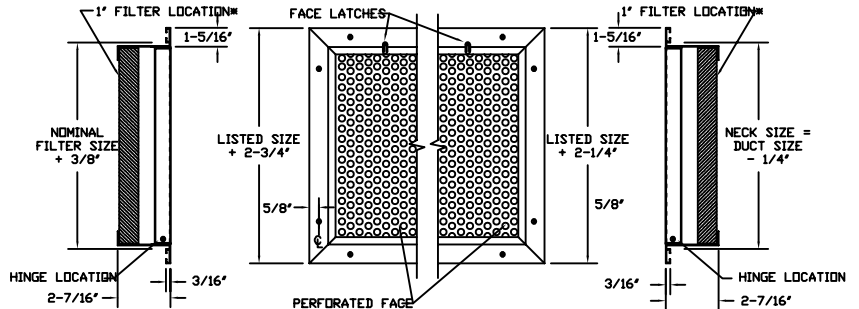
FINISH:

SKY-WHITE (STANDARD)

AXALTA SKY-WHITE 100% POLYESTER POWDER COATING GIVES AN ATTRACTIVE BRIGHT WHITE FINISH AND PROVIDES ADDITIONAL PROTECTION FROM AGING AND WEAR.

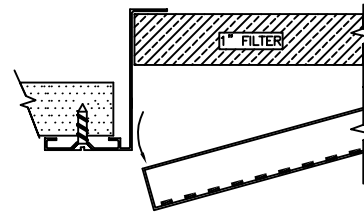
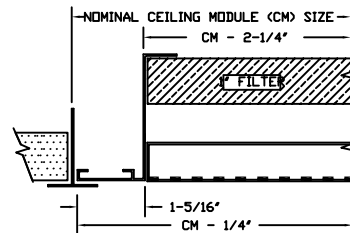
SIZES:

4" x 6" MIN
24" x 24" MAX



MODEL RAPF/FS (FOR NOM. FILTER SIZE)

MODEL RAPF/GS (FOR NOM. DUCT SIZE)

STANDARD FASTENING DETAIL

BORDER OPTION TYPE TB (LAY-IN)


* AVAILABLE WITH MODEL RAPF/GS ONLY

| |
|--|
| JOB NAME: |
| LOCATION: |
| ARCHITECT: |
| ENGINEER: |
| CONTRACTOR: |
| CONTACT GRILLE TECH INC. FOR ADDITIONAL INFORMATION OR WITH SPECIAL REQUIREMENTS. 5101 NW 36TH AVE MIAMI, FL 33142 PHONE: 305-537-0053 FAX: 305-537-0064 WEB: WWW.GRILLETECHINC.COM EMAIL: SALES@GRILLETECHINC.COM |

MODEL RAPF
 PERFORATED RETURN FILTER

| | | | | | | | |
|-------------|----|-------|---------|-----------|--------------|-------------|------|
| DRAWN BY: | MR | DATE: | 6/20/17 | SCALE: | NOT TO SCALE | DRAWING NO. | RAPF |
| CHECKED BY: | IG | DATE: | 6/30/17 | REVISION: | 6/20/17 | | |



RAP, RAPF Perforated Return

| CFM | Size | 8x8 | 10x10 | 12x12 | 14x14 | 16x16 | 18x18 | 20x20 | 22x22 | 24x24 | 30x24 | 36x24 | 40x24 | 44x24 | 48x24 |
|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Ak | .36 | .56 | .80 | 1.09 | 1.42 | 1.80 | 2.22 | 2.69 | 3.20 | 4.00 | 4.80 | 5.33 | 5.87 | 6.40 |
| 200 | Nk Vel | 450 | 288 | 200 | | | | | | | | | | | |
| | NC | 30-35 | 30-35 | 25-30 | | | | | | | | | | | |
| | Ps | .003 | .001 | .001 | | | | | | | | | | | |
| 400 | Nk Vel | 900 | 576 | 400 | 294 | 225 | | | | | | | | | |
| | NC | 35-40 | 30-35 | 35-40 | 35-40 | 25-30 | | | | | | | | | |
| | Ps | .012 | .005 | .002 | .001 | .001 | | | | | | | | | |
| 600 | Nk Vel | | 864 | 600 | 441 | 338 | 267 | 216 | | | | | | | |
| | NC | | 35-40 | 30-35 | 30-35 | 30-35 | 30-35 | 25-30 | | | | | | | |
| | Ps | | .011 | .005 | .003 | .002 | .001 | .001 | | | | | | | |
| 800 | Nk Vel | | | 800 | 588 | 450 | 356 | 288 | 238 | 200 | | | | | |
| | NC | | | 35-40 | 30-35 | 30-35 | 30-35 | 30-35 | 25-30 | 25-30 | | | | | |
| | Ps | | | .010 | .005 | .003 | .002 | .001 | .001 | .001 | | | | | |
| 1000 | Nk Vel | | | | 735 | 563 | 444 | 360 | 298 | 250 | 200 | | | | |
| | NC | | | | 35-40 | 30-35 | 30-35 | 30-35 | 30-35 | 25-30 | 25-30 | | | | |
| | Ps | | | | .008 | .005 | .003 | .002 | .001 | .001 | .001 | | | | |
| 1200 | Nk Vel | | | | 882 | 675 | 533 | 432 | 357 | 300 | 240 | 200 | | | |
| | NC | | | | 35-40 | 35-40 | 30-35 | 30-35 | 30-35 | 30-35 | 25-30 | 25-30 | | | |
| | Ps | | | | .012 | .007 | .004 | .003 | .002 | .001 | .001 | .001 | | | |
| 1400 | Nk Vel | | | | | 787 | 622 | 504 | 417 | 350 | 280 | 233 | 210 | | |
| | NC | | | | | 35-40 | 35-40 | 30-35 | 30-35 | 30-35 | 30-35 | 25-30 | 25-30 | | |
| | Ps | | | | | .009 | .006 | .004 | .003 | .002 | .001 | .001 | .001 | | |
| 1600 | Nk Vel | | | | | 900 | 711 | 576 | 476 | 400 | 320 | 267 | 240 | 218 | 200 |
| | NC | | | | | 35-40 | 35-40 | 30-35 | 30-35 | 30-35 | 30-35 | 30-35 | 25-30 | 25-30 | 25-30 |
| | Ps | | | | | .012 | .008 | .005 | .003 | .002 | .002 | .001 | .001 | .001 | .001 |
| 1800 | Nk Vel | | | | | | 800 | 648 | 536 | 450 | 360 | 300 | 270 | 245 | 225 |
| | NC | | | | | | 35-40 | 35-40 | 30-35 | 30-35 | 30-35 | 30-35 | 30-35 | 25-30 | 25-30 |
| | Ps | | | | | | .010 | .006 | .004 | .003 | .002 | .001 | .001 | .001 | .001 |
| 2000 | Nk Vel | | | | | | 889 | 720 | 595 | 500 | 400 | 333 | 300 | 273 | 250 |
| | NC | | | | | | 35-40 | 35-40 | 30-35 | 30-35 | 30-35 | 30-35 | 30-35 | 30-35 | 25-30 |
| | Ps | | | | | | .012 | .008 | .005 | .004 | .002 | .002 | .001 | .001 | .001 |
| 2400 | Nk Vel | | | | | | | 864 | 714 | 600 | 480 | 400 | 360 | 327 | 300 |
| | NC | | | | | | | 35-40 | 35-40 | 30-35 | 30-35 | 30-35 | 30-35 | 30-35 | 30-35 |
| | Ps | | | | | | | .011 | .008 | .005 | .004 | .002 | .002 | .002 | .001 |
| 2800 | Nk Vel | | | | | | | | 833 | 700 | 560 | 467 | 420 | 382 | 350 |
| | NC | | | | | | | | 35-40 | 35-40 | 30-35 | 30-35 | 30-35 | 30-35 | 30-35 |
| | Ps | | | | | | | | .011 | .007 | .005 | .003 | .003 | .002 | .002 |
| 3200 | Nk Vel | | | | | | | | | 800 | 640 | 533 | 480 | 436 | 400 |
| | NC | | | | | | | | | 35-40 | 35-40 | 30-35 | 30-35 | 30-35 | 30-35 |
| | Ps | | | | | | | | | .010 | .006 | .004 | .004 | .003 | .002 |
| 3600 | Nk Vel | | | | | | | | | 900 | 720 | 600 | 540 | 491 | 450 |
| | NC | | | | | | | | | 35-40 | 35-40 | 30-35 | 30-35 | 30-35 | 30-35 |
| | Ps | | | | | | | | | .012 | .008 | .005 | .004 | .004 | .003 |

Notes:

1. Ps - negative static pressure in inches of water.
2. For filter grilles add .05 to listed Ps for added resistance through the filter.
3. All dimensions are in inches.