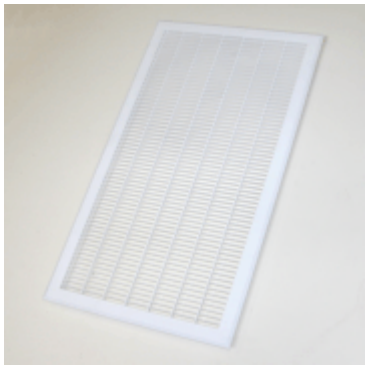
Return Air Grilles 404 - 444

Engineering Data

Model 404
(not to scale)



Model 434
(not to scale)

Models	Overall size (mm)	Hole size (mm)
401 - 419	430 x 559	380 x 510 (15" x 20")
431 - 449	451 x 810	406 x 762 (16" x 30")

410	Sheet metal mounting bracket 380 x 510	425	Plastic adaptor 380 x 510 with 300 mm pop
440	Sheet metal mounting bracket 405 x 760	426	Plastic adaptor 380 x 510 with 350 mm pop
420	Non-woven polyester filter pad 410 x 535	427	Plastic adaptor 405 x 760 with 350 mm pop
450	Non-woven polyester filter pad 430 x 790	428	Plastic adaptor 405 x 760 with 400 mm pop
422	Aluminium backing flange 380 x 510	424	Roller tool for inserting rubber spline
451	Aluminium backing flange 405 x 760	421	Roll of rubber spline 300 m x 5 mm

	380 x 510 plain	380 x 510 filtered	405 x 760 plain	405 x 760 filtered
Beige	401	411	431	441
Grey	402	412	432	442
Pink	403	413	433	443
White	404	414	434	444
Green	405	415	435	445
Cream	406	416	436	446
Peach	407	417	437	447
Blue	408	418	438	448
Brown	409	419	439	449

Description: Plastic return air grilles suitable for wall or ceiling mounted heating, cooling or ventilation applications. Two sizes and nine colours are available.
Construction: The grilles are single piece, have a modified egg-crate design with rectangular openings, and are constructed from high impact styrene. The grilles can be adhered to a surface or three mounting options are available: sheet metal mounting brackets, aluminium flanges for installation into doors, and injection moulded plastic return air boxes (adaptors) for installation into walls or ceilings. Users also have the option of using a fabricated sheet metal return air box.
Finish: The exposed surfaces have an etched finish to reduce surface reflection which results in an unobtrusive finish. Nine colours are available: white (standard), beige, grey, cream, brown, pink, peach, blue, and green.
Air filtration: A polyester non-woven fibre filter is available as an option offering satisfactory dust extraction efficiency. Initial resistance at 1.8 m/s of 35 Pa.

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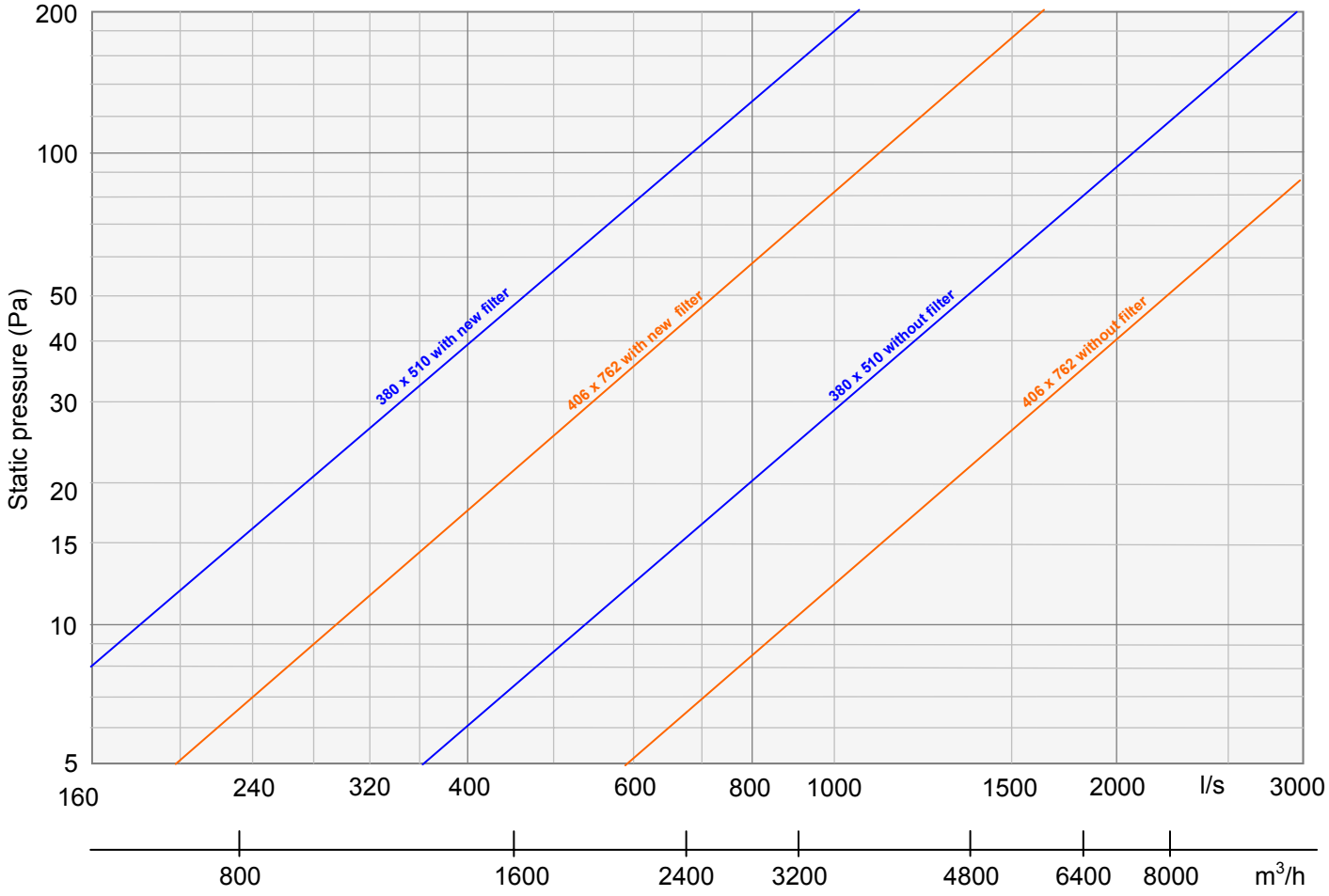
Flow data



Average face velocity (m/s)	Flow rate 380 x 510 (l/s)	Flow rate 406 x 762 (l/s)
0.5	97	154
1.0	194	308
1.5	291	462
2.0	388	616
2.5	485	770
3.0	581	923