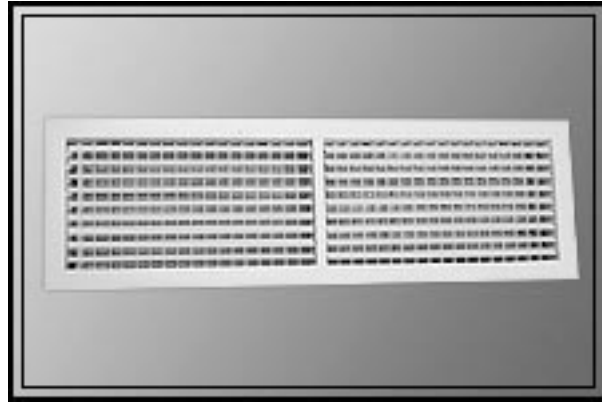
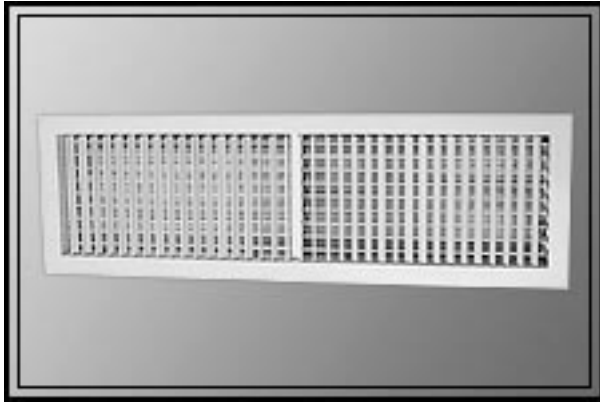


GRILLES AND REGISTERS



DOUBLE DEFLECTION AIR GRILLES AND REGISTERS

(Supply/Return)



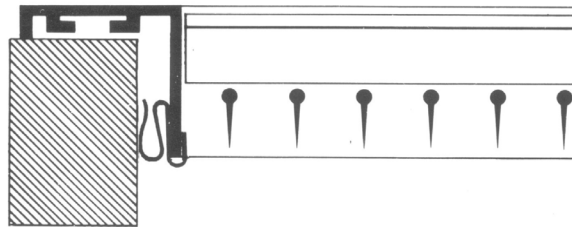
- The double deflection air grille is composed of two sets of deflecting blades mounted in two adjacent planes. The two sets of deflecting blades are mounted in such way that one set is vertically mounted and the other set is horizontally mounted.
- The double deflection air grilles are wall mounted air terminal devices, manufactured from extruded aluminium bars and carefully designed to meet the demand for high quality and reliability.
- The double deflection air grilles are used for cooling, heating or air ventilation.
- Availability with easily removable opposed blades damper, attached to the frame by means of (S) clips to ensure tight attachment and maximum flexibility. The damper is made of extruded aluminium/GI bars and opening of the damper is easily adjusted by means of control lever that is driven by a screwdriver from the front face of the register.
- Insulating gasket is fixed around the back of the frame to prevent infiltration between the frame and the wall.

Available types of finishing:

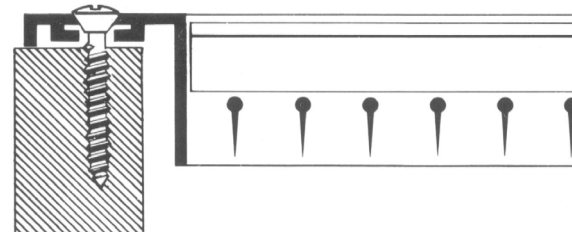
- Natural anodized aluminium finish
- Powder coated (painted to RAL codes.)

Types of Fixing:

1) Concealed type fixing (wall only)



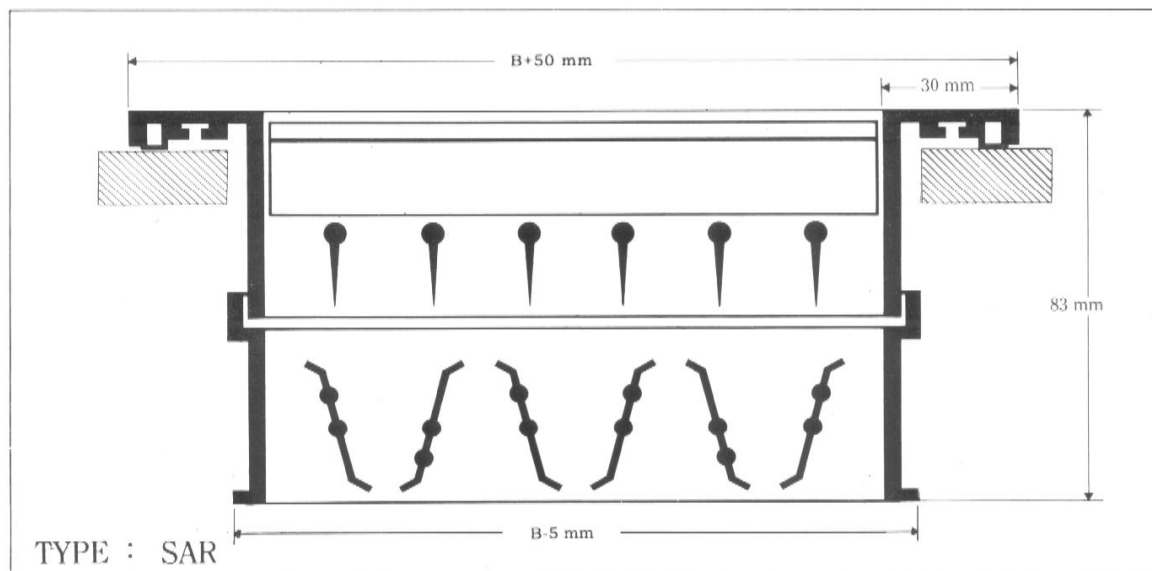
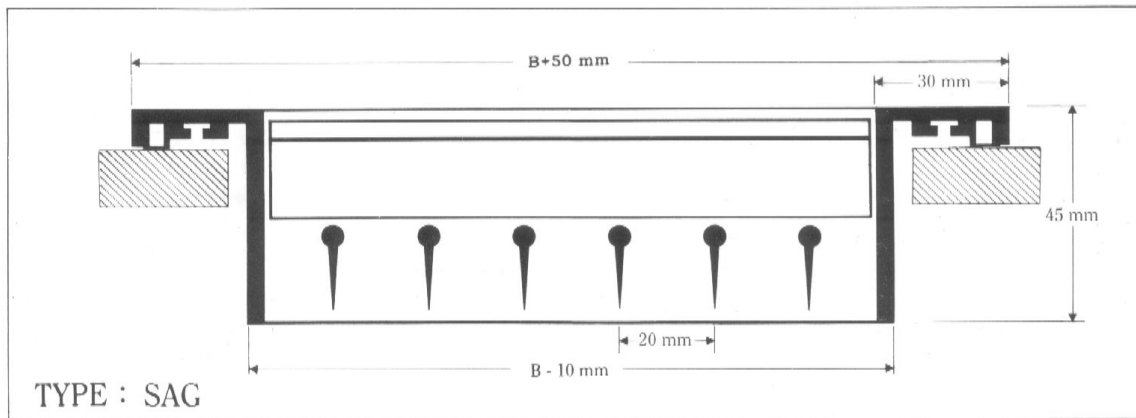
2) Visible screw fixing



GRILLES AND REGISTERS



DOUBLE DEFLECTION AIR GRILLES AND REGISTERS



Standard Sizes

(use any combination of length & width)

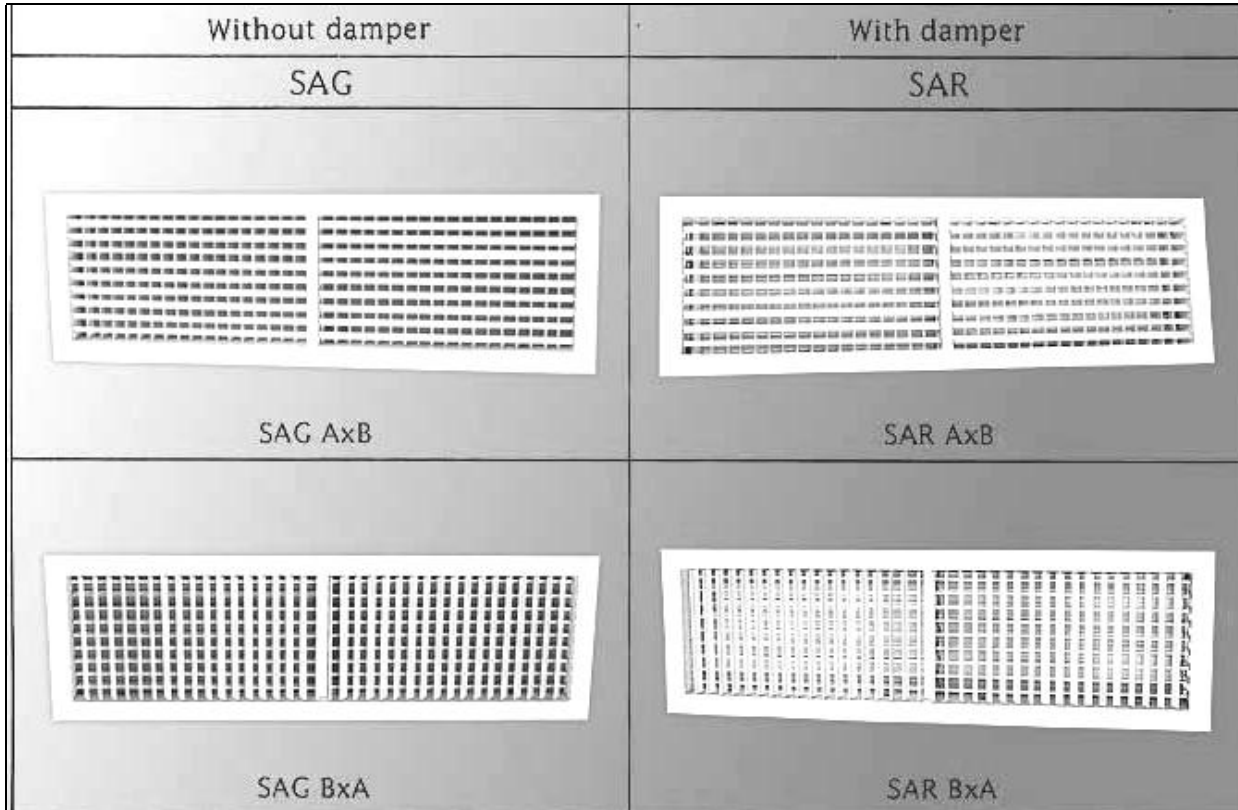
Length (mm) (A)	Width (mm) (B)
300	150
450	150
500	200
600	200
750	250
900	250
1050	300

- To convert into imperial units use (1 inch = 25 mm)
- Non standard sizes are available upon request.

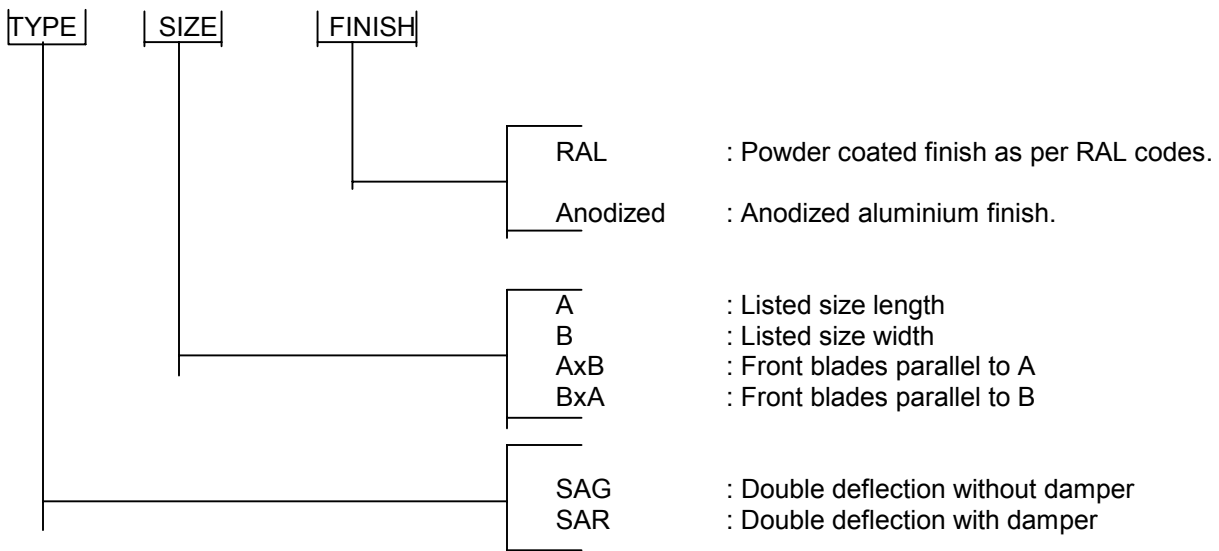
GRILLES AND REGISTERS



DOUBLE DEFLECTION AIR GRILLES AND REGISTERS



ORDERING SYSTEM



Example: SAG 500x200 RAL 9016

PERFORMANCE DATA

PRODUCTS TESTING

The following tables include the results of tests conducted on three double deflection air registers. The test results include Noise Criteria (NC), static pressure versus Air flow, throw and Ak. Extrapolation was used to obtain the performance for other sizes and other parameters within the range of products mentioned above.

TEST METHOD

The registers were test in accordance with the Air Diffusion Council test code for grilles, registers and diffusers No. ADC1062: GRD-84. The grilles were tested in the ETL Testing Laboratories, Inc.

The 470m² reverberation room was used to conduct the test. Quiet test air was provided by a variable volume air supply. Air volume was measured by the use of calibrated Orifice metering station while the static pressure was measured employing a Dwyer model 166-12, 1/8" diameter standard pitot tube and read on a dwyer monometer Model 424-5.

Acoustical data was obtained employing a Bruel and Kjaer digital frequency analyzer type 2131 and analyzed by computer. The reference sound source used for this test was a calibrated ILG Fan Serial No. 17-05-066A. The Octave band sound pressure levels were plotted on a graph of Noise Criteria Curves which is in the ADC test codes.

