



MSA Submittal



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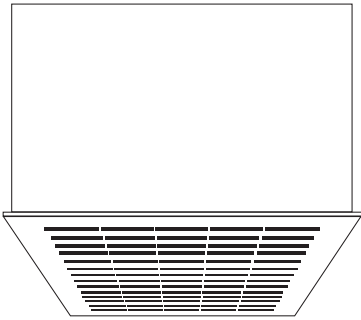
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Date

Project

Engineer

Contractor



The diffuser

- Made of 20 ga. galvanized steel.
- The square or rectangular front plate integrate, adjustable eccentric rollers.
- Air flow pattern over 180 degrees.
- Air flows of 1 or 2 directional configurations.
- Adapted to fit regular suspended ceilings or classic gypsum ceilings.
- Powder coated with a polyester TGIC-free paint.
- Surface lisse évitant l'accumulation de poussière.
- Easy to clean
- Chip and fade resistant finish.
- Standard colour from the RAL colour chart choose by client.
- Adapted to plenum with.

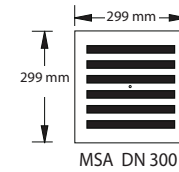
Le plenum

- Made and tagged by the diffuser's manufacturer
- Plenum constructed from 24 gauge galvanized steel.
- Plenum include a perforated stabilizing (equalizing) plate.
- Hung with 4 points.
- Adhering to paraseismic standards.
- The inlet shall be centered on the side or on the top of the plenum.
- Calibrated to accommodate the airflow rate.
- Sealed with VOC (volatile organic compounds) emission-free caulking.

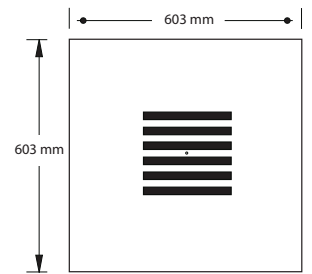
Extra

- Radial balancing damper available.
- Fireproof damper available

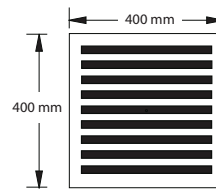
Configuration



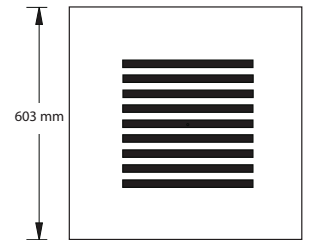
MSA DN 300



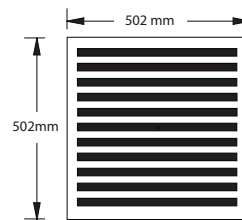
MSA DN 300/603



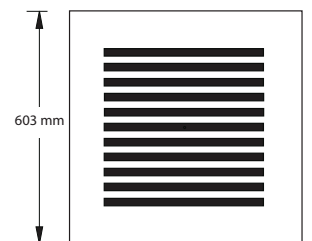
MSA DN 400



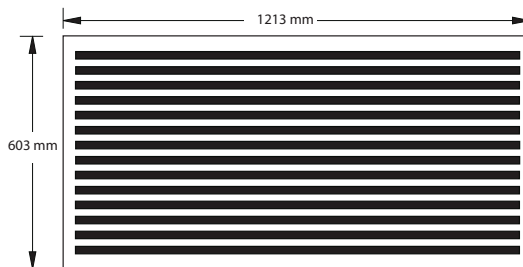
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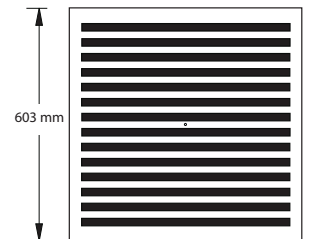
MSA DN 500



MSA DN 500/603



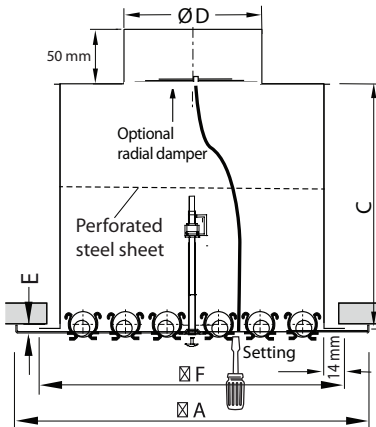
MSA DN 612



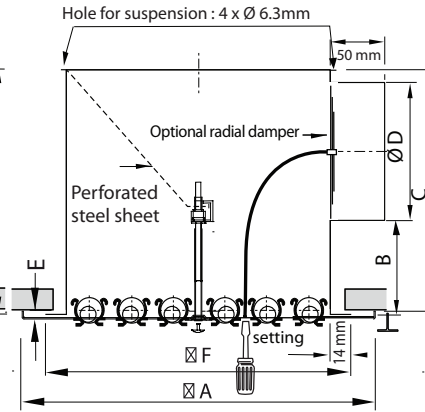
MSA DN 600

MSA - Dimensions

Plenum - top inlet



Plenum - side inlet



Nominal size	300	400	500	600	612*
Size A	299	400	502	603	603/1213
Size B	75	75	82	40	50
Size C	251	251	312	364	418
Size ØD	150	150	200	300	350
Size E	12	12	12	12	12
Size F	296	399	490	590	590/1195
No. of slots	6	9	11	14	14
Weight - Kg	4.6	5.6	8.6	12.2	27.4

*The dimensions are determined with an installation in a suspended ceiling (603 x 1213).

MSA - Fireproof damper

DN	600	612*
Size A	603	603/1213
Size B	40	50
Size C	515	569
Size ØD	300	350
Size F	590	590/1195
No./slots	14	14
Weight - Kg	20.2	40.4

Classified ULC (Underwriters' Laboratories of Canada), the NAD Klima fireproof damper has a flame retardant factor of (3) hours.

The fireproof damper is directly integrated to the plenum for sub gypsum and suspended ceiling installations.

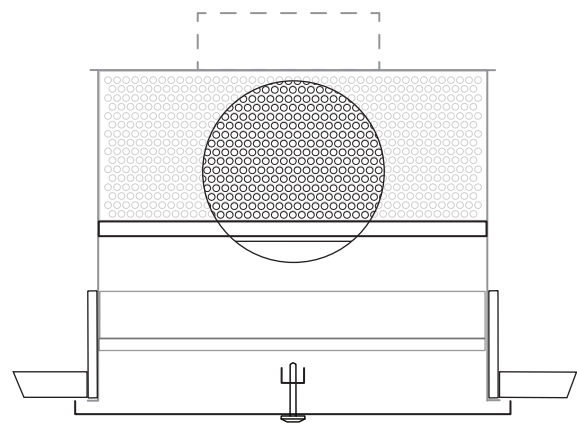
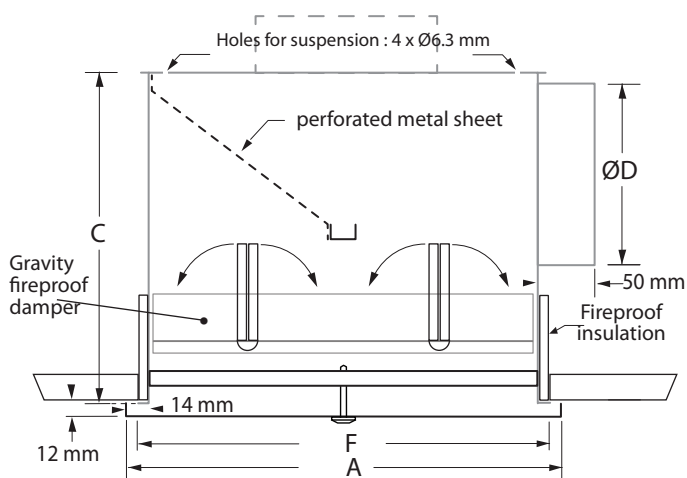


LISTED
Air Terminal Unit
R38924
CAN/ULC - S112.2 et CAN/ULC - S101



CEILING AIR DIFFUSER
FIRE RESISTANCE CLASSIFICATION
ANSI/UL 555C et ANSI/UL 263

Note: The balancing damper is not available with fireproof damper.



MSA - Codification

MSA										Product
300, 400, 500, 600, 612 (600 X 1200)										Nominal dimension
299, 400, 502, 603, 612 (603 X 1213)										Outer size
DFS = Standard diffuse 21/56 DFF = Diffuse height AB / EF DVV = Vertical divergence CD DVL = Vertical flow - long reaching 1A - CD - F6 DVD = Divergence 65 DVB = Divergence 21 DRB = Divergence with nozzles (return)										Air flow formation
W = White rollers (RAL 9003) C = Cream rollers (RAL 9010) B = Black rollers										Roller color
9003 = White 9010 = Cream White 00SB = Solar Black (Standard matte black) 00SM = Silver Matte (Standard metallic grey) _____ = RAL color (write RAL color number)										Diffuser color
S = Plenum with side inlet T = Plenum with top inlet X = Without plenum										Plenum
I = With acoustic insulation A = With closed cell acoustic insulation X = Without insulation										Acoustic insulation
F = With fireproof insulation et fire-proof damper (balancing damper not-available) X = Without fireproof insulation et fire-proof damper										Fireproof insulation
R = With radial damper* X = Without damper										Balancing Damper
MSA	300	299	DFS	W	9003	S	X	X	X	Example