

Mesaavent.

COLMAN
Air Distribution

E N G I N E E R E D A I R P R O D U C T S

EXPOSED CIRCULAR



DISTRIBUTION PATTERNS & FIXING OPTIONS

Application

Colman's circular series offers a comprehensive range of options for modern exposed applications complete with circular plenums to suit.

Plenums are available as side entry or 'biscuit tin' top entry types and can be designed to sit over the neck or over the flange depending on the type of diffuser selected.

Diffuser types applicable are:

- DRS** Fixed Blade Radial Diffuser
- DWSC** Fixed Blade Petal Diffuser
- DWTC** Adjustable Control Blade Diffuser
- LRS** Adjustable Swirl Diffuser

- LSR** Circular Multicone Diffuser
- LMR** Circular Fixed Small Format Diffuser
- NRC** Circular Nozzle Diffuser

Description and Sizing

Colman's circular plenums are manufactured from 0.7mm Galvanised Steel and come with option for lining, perforated equalising mesh for Supply application and spigot damper option.

Plenums for DRS and L Series can be manufactured to the following circular sizes: 160 dia, 200 dia, 250 dia, 315 dia, 400 dia, 500 dia.

For DWS, DWT and N series then the plenum can be manufactured to sit over the neck of the diffuser size required.

Additional Options & Finishes

Circular diffusers can be provided with coanda plates to achieve better horizontal air distribution in exposed environments.

Standard colour finishes are available with RAL 9006 a popular option for this type of diffuser with our adjustable DWT type available in a fully galvanised finish as shown below.



Colman's Circular DWT in a Galvanised finish.



Colman's Circular DWT 2450 model with Circular Plenum.



Colman's LRS C/W Painted Circular Plenum.

DIMENSIONS, OPTIONS & ORDER CODES

Options and Diffuser Order Codes

| 1. SERIES | 2. LINING | 3. STYLE | 4. ACCESSORIES | 5. ARRANGEMENT | 6. SPIGOT TYPE | 7. SPIGOT DIAMETER |
|--|--|-------------------|--|--|---|--|
| D For diffuser type DW, DRS, DWT L For diffuser type LRS, LSR, LMR N For diffuser type N Series | L Lined N Unlined 1 Special | C Circular | 0 None M Monoblade damper N Monoblade damper (matt black) P Plenum painted matt black | S Supply C/W perforated Equalising Mesh E Extract | R Round — Side entry T Round — Top entry 1 Special | A 100 B 125 C 150 D 200 E 250 F 300 N 315 P 280 R 225 T 175 1 Special |

Example of Order Codes

Diffuser Code: **DLCMSRE**

Lined Side Entry plenum complete with monoblade damper & 250 spigot.



Colman's Circular Nozzle Diffuser.



Colman's LRS with Chrome RAL 9006 finish.



Colman's DRS with Circular Plenum.



Colman's Circular DWS Diffuser with Circular Plenum.

PRODUCT RANGES

| GRILLES | DIFFUSERS | LOUVRES |
|----------------------------|--------------------------------|--------------|
| Linear Bar | Linear Slot | External |
| Ceiling | Louvre Face | Circular |
| Sidewall | Sidewall | Door |
| Floor | Perforated Face | Screens |
| Computer Floor | Circular | Penthouse |
| Cill | Swirl | Sand Louvres |
| Single & Double Deflection | Ceiling | Roof Louvres |
| Egg Crate | Sidewall Fixed & Adjustable | |
| Hinged Core | Jet Flow / Nozzle | |
| Door Transfer | Repus Displacement Ventilation | |
| Security and Prison | | |
| Supply and Extract Valves | | |

BESPOKE SERVICE

We offer a bespoke design service where standard products do not fit the requirements of the build, we also supply products in special colours and finishes including bronze, brass, gold and chrome to meet Architectural design specifications.

Mesavent.

Grilles | Diffusers | Louvres | Ductwork | Louvre Windows

Your ventilation solution partner

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