



*Incorporating*



## Grilles & Diffusers

### **Series JFD** Jet flow / eyeball diffusers

- Specialist diffuser designed for targeted throws over long distances
- Adjustable nozzle gives full control over throw direction
- Concealed mounting ring for tidy installation



## Series JFD

Series JFD jet flow diffusers are specialist units designed for large areas requiring a targeted, long distance throw. For example theaters, arenas and airport terminals.

The profiled outer fascia ring is removable, allowing access to a concealed flange which serves as a fixing point.

The inner ball is free to be adjusted a full 360 degrees.



## Design features

|                 |                                                                                       |
|-----------------|---------------------------------------------------------------------------------------|
| <b>Material</b> | Pressed sheet aluminium                                                               |
| <b>Sizes</b>    | Minimum: 125mm dia<br>Maximum: 315mm dia<br>For full list of dimensions see next page |
| <b>Fixings</b>  | Concealed fixing flange, accessible behind fascia ring                                |
| <b>Finish</b>   | Standard: RAL9010<br>Optional: See page 4                                             |

## Quality assurance

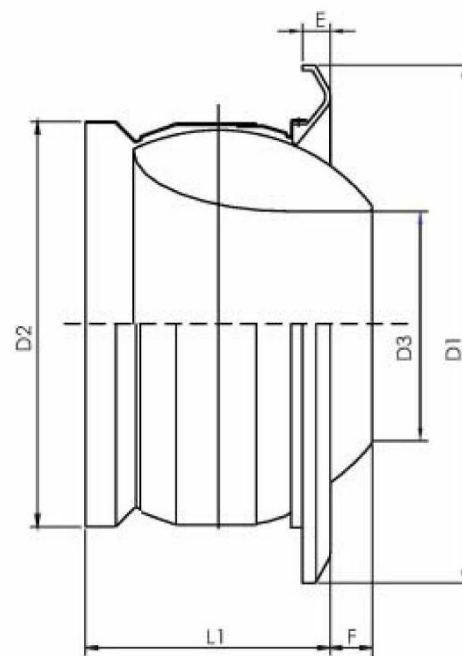
HVC Supplies (Stourbridge) Ltd is an ISO 9001 certified company.



Assessed to ISO 9001  
Cert/Ref No. 1186

## Technical specifications

| Size (mm)  | D1 (mm) | D2 (mm) | D3 (mm) | E (mm) | F (mm) | L1 (mm) |
|------------|---------|---------|---------|--------|--------|---------|
| <b>125</b> | 185     | 123     | 64      | 10     | 4      | 89      |
| <b>160</b> | 216     | 158     | 82      | 11     | 10     | 106     |
| <b>200</b> | 273     | 198     | 108     | 16     | 14     | 127     |
| <b>250</b> | 318     | 248     | 136     | 16     | 23     | 159     |
| <b>315</b> | 400     | 313     | 174     | 23     | 29     | 189     |



| Performance data |                   |                      |             |                   |                      |             |                   |                      |             |                   |
|------------------|-------------------|----------------------|-------------|-------------------|----------------------|-------------|-------------------|----------------------|-------------|-------------------|
| Size             | 10m               |                      |             | 20m               |                      |             | 30m               |                      |             | End airflow speed |
|                  | Air Volume (m³/h) | Resistance loss (Pa) | Noise dB(A) | Air Volume (m³/h) | Resistance loss (Pa) | Noise dB(A) | Air Volume (m³/h) | Resistance loss (Pa) | Noise dB(A) |                   |
| <b>125</b>       | —                 | —                    | —           | 122               | 71                   | 25          | 180               | 136                  | 36          | 0.25              |
| <b>160</b>       | 82.8              | 11                   | <20         | 165               | 26                   | <20         | 250               | 98                   | 35          |                   |
| <b>200</b>       | 104               | —                    | <20         | 220               | 29                   | <20         | 306               | 67                   | 27          |                   |
| <b>250</b>       | 133               | —                    | <20         | 272               | 8.3                  | <20         | 382               | 34                   | 22          |                   |
| <b>315</b>       | 180               | —                    | <20         | 350               | 11                   | <20         | 540               | 36                   | 20          |                   |
| <b>125</b>       | 122               | 71                   | <20         | 245               | 265                  | 46          | —                 | —                    | —           | 0.5               |
| <b>160</b>       | 165               | 26                   | <20         | 330               | 113                  | 44          | 497               | 200                  | 55          |                   |
| <b>200</b>       | 220               | 29                   | <20         | 435               | 123                  | 38          | 655               | 218                  | 50          |                   |
| <b>250</b>       | 274               | 8.3                  | <20         | 548               | 63                   | 34          | 825               | 112                  | 45          |                   |
| <b>315</b>       | 350               | 11                   | <20         | 690               | 57                   | 28          | 1055              | 104                  | 40          |                   |
| <b>125</b>       | 245               | 265                  | 46          | —                 | —                    | —           | —                 | —                    | —           | 1.0               |
| <b>160</b>       | 330               | 113                  | 44          | —                 | —                    | —           | —                 | —                    | —           |                   |
| <b>200</b>       | 435               | 123                  | 38          | 870               | 312                  | —           | —                 | —                    | —           |                   |
| <b>250</b>       | 548               | 63                   | 34          | 1100              | 160                  | 53          | —                 | —                    | —           |                   |
| <b>315</b>       | 700               | 57                   | 28          | 1400              | 150                  | 48          | 2106              | 243                  | —           |                   |

# Finish

Polyester powder coating to any RAL or BS colour



# Ordering codes

## Example

1 - 125 dia - JFD - RAL9010

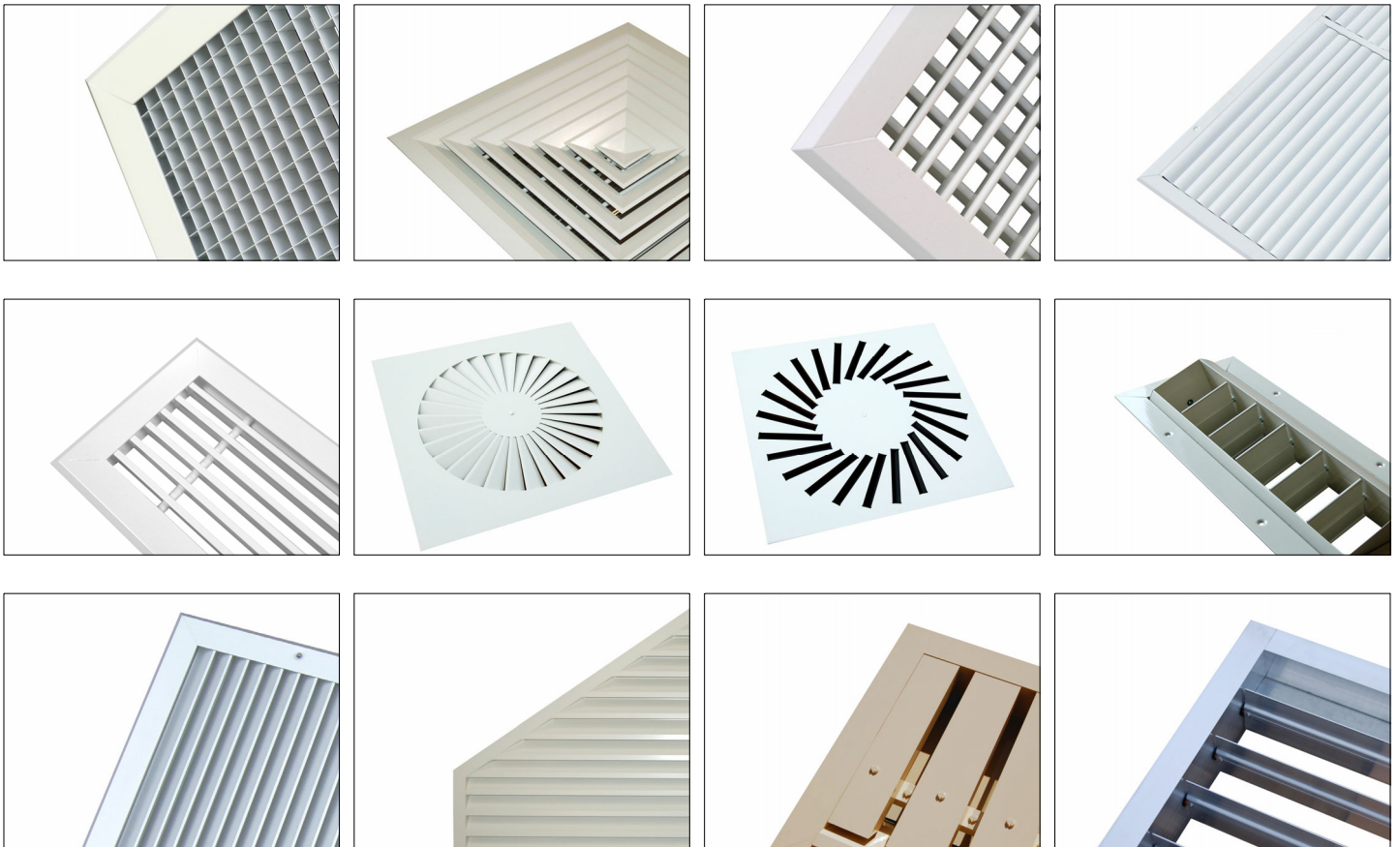
|    |          |                    |                                                                       |
|----|----------|--------------------|-----------------------------------------------------------------------|
| 1) | Quantity |                    |                                                                       |
| 2) | Size     | (nominal diameter) | Nominal diameter                                                      |
| 3) | Series   | JFD                | Jet flow diffuser                                                     |
| 4) | Finish   | RAL...<br>BS...    | Polyester powder coated to RAL...<br>Polyester powder coated to BS... |

## HVC & NCA products

HVC offer the significant advantage of manufacturing both in duct and duct terminal equipment, making us a one stop shop for all your HVAC needs.

The products shown below are a selection, not an exhaustive list. Go to [www.h-v-c.com](http://www.h-v-c.com) for details on all HVC and NCA products.

### HVC: Grilles, Diffusers, Louvres and Volume Control Dampers



### NCA: Fire and Volume Control Dampers





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Cert/Ref No. 1186

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