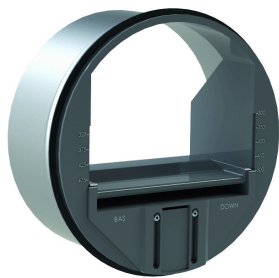


# ERDR ABS air flow regulator for circular duct



## Description

The ERDR self-regulating airflow controller can be adjusted directly on site according to the required airflow rate. The side markings on the opening indicate the adjustment settings.

The ERDR controller is designed for installation inside the ductwork to maintain a constant airflow rate within a pressure range from 50 to 250 Pa.

## Features

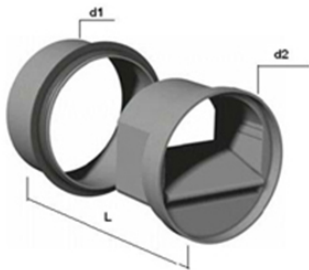
- PVC casing for diameters 80 and 100 mm.
- Galvanized steel casing for larger diameters.
- PVC regulating damper.
- Available diameters from 80 to 250 mm.
- Self-regulating operation within a pressure range of 50 ÷ 250 Pa.
- The required airflow rate is set using a Torx No. 10 screwdriver.
- Manufactured from plastic material (M1 class).
- Maximum operating temperature: 60°C.

## Installation

- Installation is carried out by inserting the controller inside the circular duct and can be performed in both horizontal and vertical ductwork.
- It can be used in air conditioning and ventilation systems for both extract and supply air applications.

## On request

Range 150 - 600 Pa.



## Dimensions

All dimensions are expressed in mm.

| ERDR | d1 (mm) | d2 (mm) | L (mm) |
|------|---------|---------|--------|
| 80   | 76      | 76      | 55     |
| 100  | 96      | 93      | 70     |
| 125  | 120     | 117     | 86     |
| 150  | 145     | 148     | 91     |
| 160  | 145     | 148     | 91     |
| 200  | 190     | 195     | 91     |
| 250  | 235     | 245     | 120    |

Operating Data

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X: adjustable flow rate values for each model.

| ERDR      |                        | Flow Rate (m³/h) |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
|-----------|------------------------|------------------|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|
| Ø<br>(mm) | Flow<br>Rate<br>(m³/h) | 15               | 30 | 45 | 50 | 60 | 75 | 90 | 100 | 120 | 150 | 180 | 210 | 240 | 270 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 |  |  |  |
| 80        | 15 - 50                | x                | x  | x  | x  |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 100       | 15 - 50                | x                | x  | x  | x  |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 100       | 50 - 100               |                  |    |    | x  | x  | x  | x  | x   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 125       | 15 - 50                | x                | x  | x  | x  |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 125       | 50 - 100               |                  |    |    | x  | x  | x  | x  | x   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 125       | 100 - 180              |                  |    |    |    |    |    |    | x   | x   | x   | x   |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 150       | 15 - 50                | x                | x  | x  | x  |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 150       | 50 - 100               |                  |    |    | x  | x  | x  | x  | x   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 150       | 100 - 180              |                  |    |    |    |    |    |    | x   | x   | x   | x   |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 150       | 180 - 300              |                  |    |    |    |    |    |    |     |     |     | x   | x   | x   | x   | x   |     |     |     |     |     |     |     |     |  |  |  |
| 160       | 15 - 50                | x                | x  | x  | x  |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 160       | 50 - 100               |                  |    |    | x  | x  | x  | x  | x   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 160       | 100 - 180              |                  |    |    |    |    |    |    | x   | x   | x   | x   |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 160       | 180 - 300              |                  |    |    |    |    |    |    |     |     |     | x   | x   | x   | x   | x   |     |     |     |     |     |     |     |     |  |  |  |
| 200       | 15 - 50                | x                | x  | x  | x  |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 200       | 50 - 100               |                  |    |    | x  | x  | x  | x  | x   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 200       | 100 - 180              |                  |    |    |    |    |    |    | x   | x   | x   | x   |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 200       | 180 - 300              |                  |    |    |    |    |    |    |     |     |     | x   | x   | x   | x   | x   |     |     |     |     |     |     |     |     |  |  |  |
| 200       | 300 - 500              |                  |    |    |    |    |    |    |     |     |     |     |     |     |     | x   | x   | x   | x   | x   |     |     |     |     |  |  |  |
| 250       | 50 - 100               |                  |    |    | x  | x  | x  | x  | x   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 250       | 100 - 180              |                  |    |    |    |    |    |    | x   | x   | x   | x   |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
| 250       | 180 - 300              |                  |    |    |    |    |    |    |     |     |     | x   | x   | x   | x   | x   |     |     |     |     |     |     |     |     |  |  |  |
| 250       | 300 - 500              |                  |    |    |    |    |    |    |     |     |     |     |     |     |     | x   | x   | x   | x   | x   |     |     |     |     |  |  |  |
| 250       | 450 - 700              |                  |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     | x   | x   | x   | x   | x   |  |  |  |

Price List

| Ø (mm) | Flow Rate (m³/h) | Eur    |
|--------|------------------|--------|
| 80     | 15 - 50          | 27,45  |
| 100    | 15 - 50          | 32,75  |
| 100    | 50 - 100         | 32,75  |
| 125    | 15 - 50          | 36,97  |
| 125    | 50 - 100         | 36,97  |
| 125    | 100 - 180        | 36,97  |
| 150    | 15 - 50          | 55,97  |
| 150    | 50 - 100         | 55,97  |
| 150    | 100 - 180        | 55,97  |
| 150    | 180 - 300        | 55,97  |
| 160    | 15 - 50          | 55,97  |
| 160    | 50 - 100         | 55,97  |
| 160    | 100 - 180        | 55,97  |
| 160    | 180 - 300        | 55,97  |
| 200    | 15 - 50          | 83,37  |
| 200    | 50 - 100         | 83,37  |
| 200    | 100 - 180        | 83,37  |
| 200    | 180 - 300        | 83,37  |
| 200    | 300 - 500        | 83,37  |
| 250    | 50 - 100         | 108,70 |
| 250    | 100 - 180        | 108,70 |
| 250    | 180 - 300        | 108,70 |
| 250    | 300 - 500        | 108,70 |
| 250    | 450 - 700        | 124,56 |