

# TECHNISCHE FICHE

## Volumeregelaar



De Volumeregelaar is een debietregelaar, die in een kanaal wordt geplaatst om een constant debiet te verkrijgen in een drukbereik tussen 50 en 250 Pascal. De Volumeregelaar wordt gebruikt voor zowel toevoer als afvoer.

Het gewenste debiet wordt tijdens de montage eenvoudig geregeld d.m.v. een torx schroevendraaier.

### Uitvoeringen

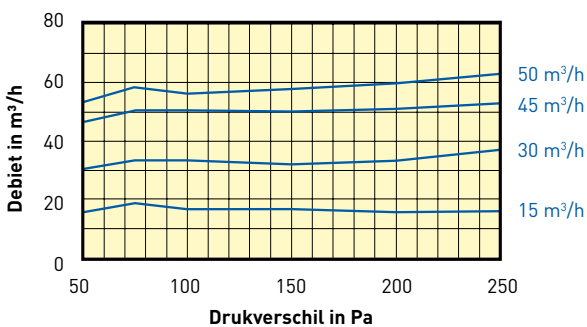
| Type                                    | Aansluiting (diameter) | Diepte (mm) | Artikelnummer |
|---|------------------------|-------------|---------------|
| Volumeregelaar 15-50 m <sup>3</sup> /h  | Ø80                    | 47          | 0000-4722     |
| Volumeregelaar 15-50 m <sup>3</sup> /h  | Ø125                   | 65          | 0000-4836     |
| Volumeregelaar 50-100 m <sup>3</sup> /h | Ø125                   | 65          | 0000-4837     |

### Fysieke eigenschappen

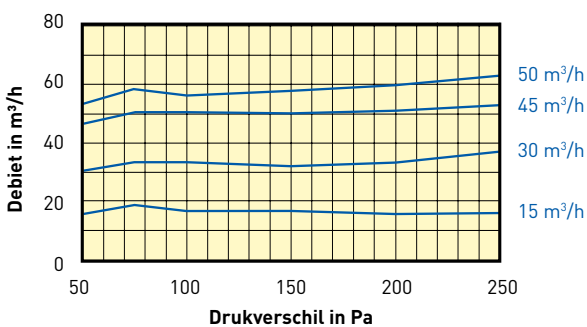
|                                      |                       |              |
|--------------------------------------|-----------------------|--------------|
| <b>Materiaal:</b>                    | Kunststof             |              |
| <b>Brandklasse:</b>                  | Niet ontvlambaar (M1) |              |
| <b>Kleur:</b>                        | Zwart                 |              |
| <b>Maximale gebruikstemperatuur:</b> | 60°C                  |              |
| <b>Gewicht:</b>                      | (Ø80): 80g            | (Ø125): 140g |

### Luchtzijdige eigenschappen

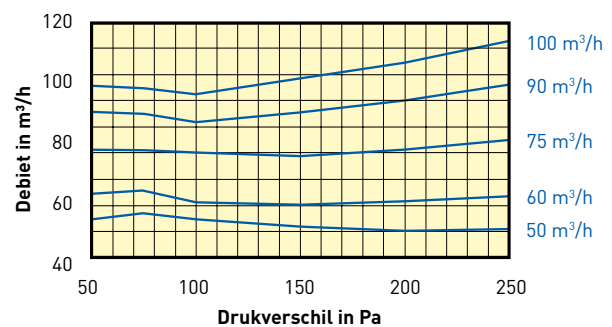
Volumeregelaar Ø80 - 15-50 m<sup>3</sup>/h



Volumeregelaar Ø125 - 15-50 m<sup>3</sup>/h



Volumeregelaar Ø125 - 50-100 m<sup>3</sup>/h



## Akoestische eigenschappen (volgens NF EN ISO 3741 en NF EN ISO 5135)

### Volumeregelaar Ø80 - 15-50 m³/h

| Debiet (m³/h) | Drukverschil (Pa) | 125 Hz (dB) | 250 Hz (dB) | 500 Hz (dB) | 1000 Hz (dB) | 2000 Hz (dB) | 4000 Hz (dB) | 8000 Hz (dB) | Lw (dB(A)) |
|---------------|-------------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|------------|
| 15            | 50                | 24          | 18          | 15          | 15           | 16           | 16           | 20           | 24         |
|               | 100               | 25          | 22          | 21          | 25           | 25           | 21           | 20           | 30         |
|               | 150               | 25          | 21          | 22          | 28           | 28           | 26           | 21           | 33         |
|               | 200               | 25          | 23          | 24          | 30           | 30           | 27           | 23           | 35         |
|               | 250               | 26          | 24          | 25          | 31           | 32           | 27           | 24           | 37         |
| 25            | 50                | 25          | 24          | 20          | 20           | 19           | 16           | 20           | 26         |
|               | 100               | 25          | 25          | 26          | 30           | 26           | 21           | 20           | 33         |
|               | 150               | 26          | 27          | 30          | 35           | 32           | 24           | 21           | 38         |
|               | 200               | 27          | 28          | 33          | 38           | 38           | 28           | 23           | 42         |
|               | 250               | 27          | 29          | 34          | 40           | 41           | 33           | 26           | 45         |
| 30            | 50                | 27          | 24          | 21          | 21           | 18           | 17           | 20           | 27         |
|               | 100               | 27          | 26          | 27          | 30           | 26           | 20           | 20           | 33         |
|               | 150               | 29          | 29          | 31          | 36           | 32           | 23           | 21           | 39         |
|               | 200               | 30          | 31          | 35          | 40           | 37           | 27           | 23           | 43         |
|               | 250               | 31          | 32          | 37          | 42           | 39           | 31           | 24           | 45         |
| 45            | 50                | 30          | 25          | 21          | 22           | 17           | 16           | 20           | 27         |
|               | 100               | 32          | 28          | 26          | 29           | 27           | 19           | 20           | 33         |
|               | 150               | 33          | 31          | 30          | 35           | 34           | 24           | 21           | 39         |
|               | 200               | 35          | 33          | 33          | 37           | 38           | 27           | 23           | 42         |
|               | 250               | 35          | 35          | 36          | 41           | 41           | 31           | 26           | 45         |
| 50            | 50                | 31          | 27          | 22          | 23           | 18           | 16           | 20           | 28         |
|               | 100               | 32          | 29          | 27          | 30           | 28           | 19           | 20           | 34         |
|               | 150               | 35          | 32          | 31          | 34           | 34           | 24           | 21           | 38         |
|               | 200               | 36          | 35          | 34          | 37           | 38           | 27           | 23           | 42         |
|               | 250               | 37          | 37          | 37          | 40           | 40           | 31           | 26           | 45         |

### Volumeregelaar Ø125 - 15-50 m³/h

| Debiet (m³/h) | Drukverschil (Pa) | 125 Hz (dB) | 250 Hz (dB) | 500 Hz (dB) | 1000 Hz (dB) | 2000 Hz (dB) | 4000 Hz (dB) | 8000 Hz (dB) | Lw (dB(A)) |
|---------------|-------------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|------------|
| 15            | 50                | 28          | 21          | 18          | 16           | 17           | 16           | 20           | 25         |
|               | 100               | 28          | 22          | 21          | 23           | 25           | 18           | 20           | 29         |
|               | 150               | 28          | 22          | 22          | 25           | 28           | 26           | 21           | 32         |
|               | 200               | 28          | 23          | 24          | 28           | 29           | 27           | 25           | 34         |
|               | 250               | 28          | 24          | 26          | 30           | 32           | 26           | 26           | 36         |
| 25            | 50                | 27          | 26          | 21          | 19           | 17           | 16           | 20           | 26         |
|               | 100               | 27          | 28          | 27          | 28           | 24           | 20           | 20           | 32         |
|               | 150               | 30          | 31          | 32          | 34           | 30           | 23           | 21           | 37         |
|               | 200               | 31          | 33          | 35          | 38           | 37           | 29           | 24           | 42         |
|               | 250               | 33          | 34          | 36          | 40           | 40           | 34           | 29           | 45         |
| 30            | 50                | 28          | 28          | 22          | 20           | 18           | 17           | 20           | 27         |
|               | 100               | 28          | 29          | 27          | 28           | 24           | 19           | 20           | 32         |
|               | 150               | 30          | 32          | 33          | 34           | 30           | 22           | 21           | 37         |
|               | 200               | 33          | 35          | 37          | 39           | 36           | 26           | 24           | 42         |
|               | 250               | 35          | 34          | 40          | 42           | 40           | 31           | 27           | 46         |
| 45            | 50                | 31          | 31          | 25          | 22           | 17           | 16           | 20           | 28         |
|               | 100               | 29          | 30          | 29          | 29           | 26           | 18           | 20           | 33         |
|               | 150               | 30          | 31          | 31          | 34           | 31           | 22           | 21           | 37         |
|               | 200               | 33          | 34          | 34          | 37           | 36           | 26           | 24           | 41         |
|               | 250               | 36          | 37          | 37          | 39           | 39           | 29           | 26           | 44         |
| 50            | 50                | 33          | 32          | 27          | 24           | 18           | 16           | 20           | 30         |
|               | 100               | 32          | 31          | 30          | 30           | 26           | 18           | 20           | 34         |
|               | 150               | 33          | 33          | 31          | 33           | 31           | 22           | 21           | 37         |
|               | 200               | 37          | 36          | 35          | 36           | 36           | 27           | 24           | 41         |
|               | 250               | 39          | 39          | 37          | 39           | 39           | 30           | 27           | 44         |

**Volumeregelaar  $\varnothing$ 125 - 50-100 m<sup>3</sup>/h**

| Debiet (m <sup>3</sup> /h) | Drukverschil (Pa) | 125 Hz (dB) | 250 Hz (dB) | 500 Hz (dB) | 1000 Hz (dB) | 2000 Hz (dB) | 4000 Hz (dB) | 8000 Hz (dB) | Lw (dB(A)) |
|----------------------------|-------------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|------------|
| 50                         | 50                | 30          | 27          | 24          | 21           | 18           | 16           | 20           | 27         |
|                            | 100               | 31          | 30          | 30          | 30           | 27           | 18           | 20           | 34         |
|                            | 150               | 30          | 32          | 33          | 35           | 33           | 22           | 22           | 39         |
|                            | 200               | 32          | 34          | 36          | 39           | 38           | 27           | 25           | 43         |
|                            | 250               | 32          | 36          | 37          | 41           | 41           | 31           | 28           | 45         |
| 60                         | 50                | 35          | 33          | 26          | 23           | 20           | 16           | 20           | 30         |
|                            | 100               | 28          | 30          | 31          | 31           | 28           | 19           | 20           | 35         |
|                            | 150               | 31          | 33          | 34          | 36           | 34           | 23           | 22           | 39         |
|                            | 200               | 34          | 36          | 36          | 39           | 38           | 28           | 25           | 43         |
|                            | 250               | 34          | 38          | 38          | 41           | 41           | 31           | 29           | 45         |
| 75                         | 50                | 37          | 35          | 28          | 24           | 19           | 16           | 20           | 31         |
|                            | 100               | 30          | 31          | 31          | 31           | 28           | 19           | 21           | 35         |
|                            | 150               | 32          | 33          | 33          | 35           | 34           | 24           | 22           | 39         |
|                            | 200               | 34          | 36          | 36          | 38           | 38           | 28           | 26           | 43         |
|                            | 250               | 35          | 38          | 38          | 40           | 40           | 31           | 29           | 45         |
| 90                         | 50                | 39          | 36          | 29          | 26           | 20           | 17           | 20           | 32         |
|                            | 100               | 32          | 31          | 31          | 31           | 29           | 20           | 21           | 35         |
|                            | 150               | 32          | 33          | 33          | 35           | 34           | 24           | 22           | 39         |
|                            | 200               | 35          | 36          | 36          | 38           | 38           | 28           | 26           | 43         |
|                            | 250               | 36          | 38          | 38          | 40           | 40           | 31           | 29           | 45         |
| 100                        | 50                | 41          | 39          | 31          | 27           | 22           | 17           | 20           | 34         |
|                            | 100               | 32          | 33          | 32          | 32           | 30           | 20           | 21           | 36         |
|                            | 150               | 33          | 34          | 34          | 36           | 35           | 25           | 23           | 40         |
|                            | 200               | 35          | 37          | 37          | 38           | 38           | 29           | 27           | 43         |
|                            | 250               | 37          | 39          | 39          | 41           | 40           | 32           | 31           | 45         |