

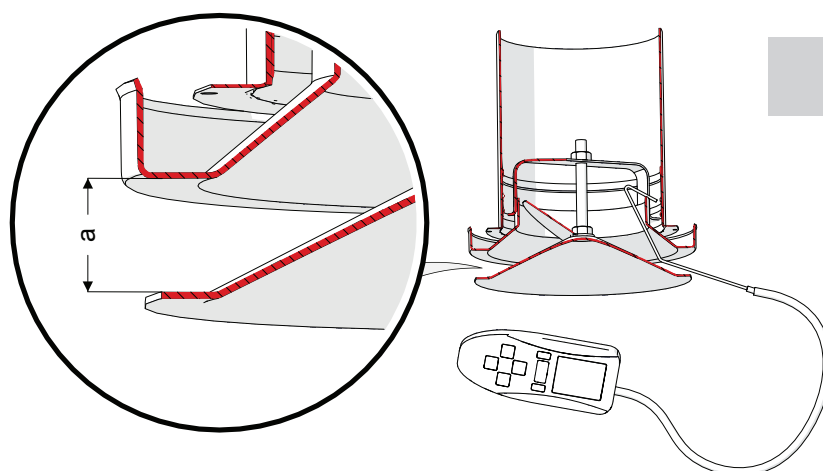


## Commissioning guide

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## DSS



k-value

### DSS 100

|         |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|
| a, mm   | 3   | 6   | 9   | 12  | 15  |
| k-value | 1,3 | 2,5 | 3,8 | 5,0 | 5,3 |

### DSS 125

|         |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|
| a, mm   | 3   | 6   | 9   | 12  | 16  |
| k-value | 1,6 | 3,3 | 4,9 | 6,3 | 8,1 |

### DSS 160

|         |     |     |     |     |      |
|---------|-----|-----|-----|-----|------|
| a, mm   | 3   | 6   | 9   | 12  | 15   |
| k-value | 1,8 | 4,1 | 6,2 | 8,2 | 10,6 |

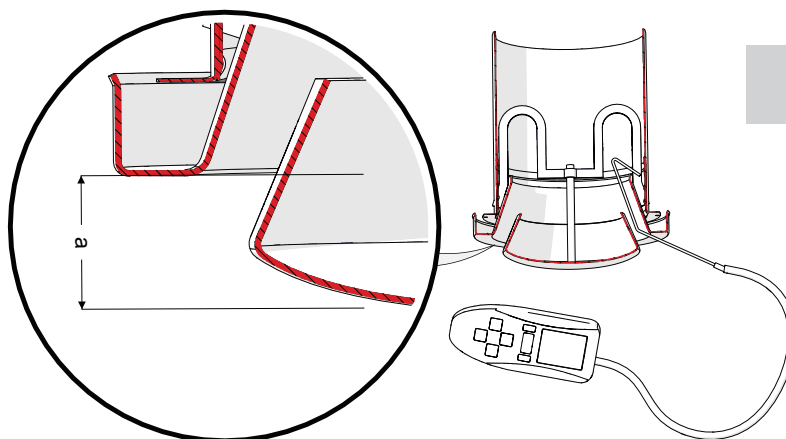
### DSS 100 (with sector plate)

|         |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|
| a, mm   | 3   | 6   | 9   | 12  | 15  |
| k-value | 1,5 | 2,7 | 3,3 | 4,2 | 4,6 |

### DSS 160 (with sector plate)

|         |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|
| a, mm   | 3   | 6   | 9   | 12  | 15  |
| k-value | 2,3 | 3,9 | 4,9 | 5,8 | 6,6 |

## DSE



k-value

### DSE 100

|         |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|
| a, mm   | -9   | -6   | -3   | 0    | 3    | 6    | 9    | 12   |
| k-value | 0,79 | 1,08 | 1,36 | 1,65 | 1,94 | 2,25 | 2,55 | 2,81 |

### DSE 125

|         |     |      |     |      |   |     |     |     |     |
|---------|-----|------|-----|------|---|-----|-----|-----|-----|
| a, mm   | -12 | -9   | -6  | -3   | 0 | 3   | 6   | 9   | 12  |
| k-value | 0,6 | 0,95 | 1,3 | 1,65 | 2 | 2,4 | 2,8 | 3,2 | 3,6 |

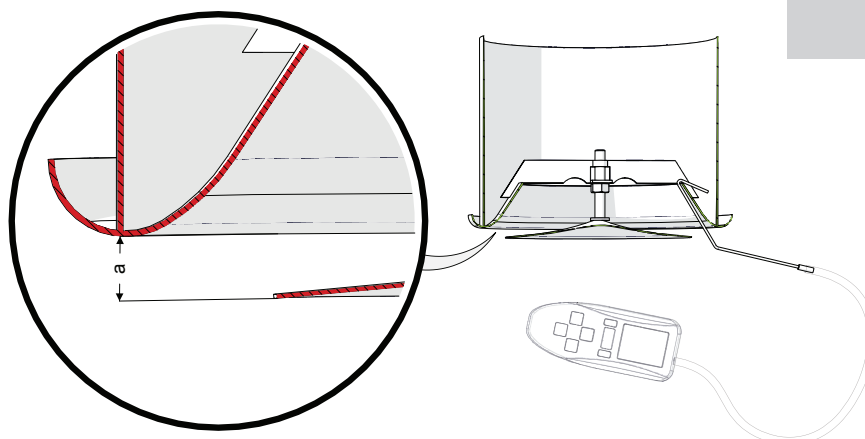
### DSE 160

|         |     |      |    |      |     |     |     |      |     |     |
|---------|-----|------|----|------|-----|-----|-----|------|-----|-----|
| a, mm   | -12 | -9   | -6 | -3   | 0   | 3   | 6   | 9    | 12  | 15  |
| k-value | 1,1 | 1,55 | 2  | 2,45 | 2,9 | 3,5 | 4,1 | 4,65 | 5,2 | 5,7 |

### DSE 200

|         |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|
| a, mm   | -6   | -3   | 0    | 3    | 6    | 9    | 12   | 15   | 18   | 20   |
| k-value | 0,48 | 1,07 | 1,66 | 2,41 | 3,16 | 3,94 | 4,72 | 5,48 | 6,24 | 6,79 |

## DVP

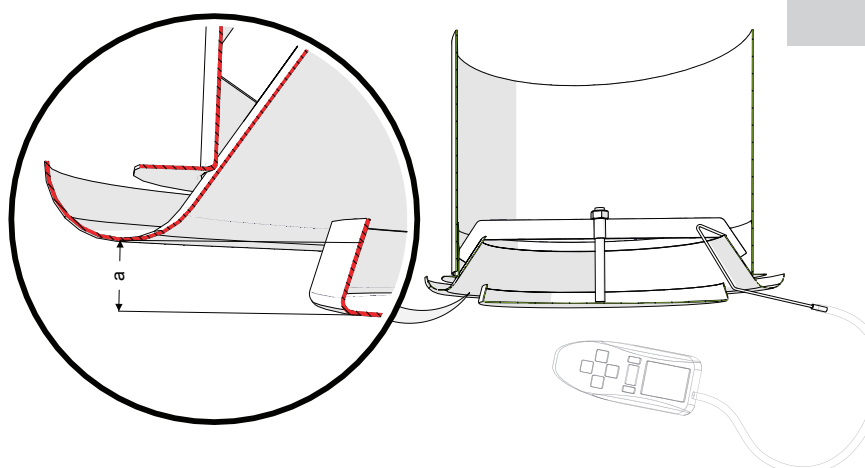


$$Q_v = k\sqrt{\Delta p_m}$$

k-value

| a, mm   | 0    | 3    | 6     | 9     | 12    | 15    | 18    | 21    |
|---------|------|------|-------|-------|-------|-------|-------|-------|
| DVP 100 | 1,45 | 2,50 | 3,10  | 3,95  | 4,10  |       |       |       |
| DVP 125 | 2,50 | 3,65 | 4,40  | 5,45  | 6,40  | 7,45  |       |       |
| DVP 160 | 4,40 | 5,30 | 7,30  | 8,70  | 9,95  | 11,85 |       |       |
| DVP 200 | 4,05 | 6,05 | 8,25  | 10,25 | 12,00 | 15,30 | 17,45 |       |
| DVP 250 | 6,15 | 8,90 | 10,90 | 12,95 | 15,25 | 18,05 | 20,75 | 23,85 |

## DVS

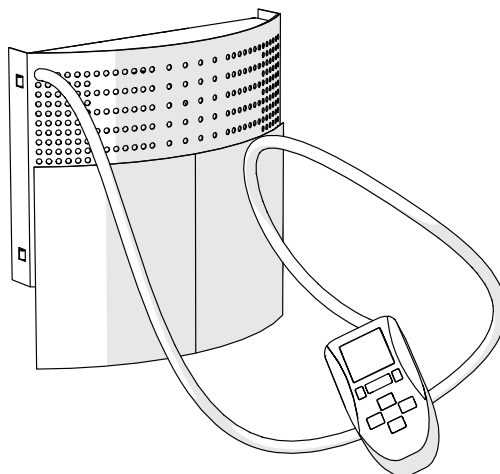


$$Q_v = k\sqrt{\Delta p_m}$$

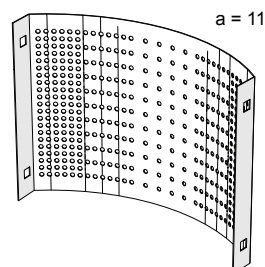
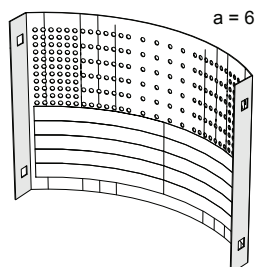
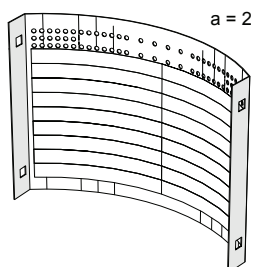
k-value

| a, mm   | -12  | -9   | -6   | -3   | 0     | 3     | 6     | 9     | 12    |
|---------|------|------|------|------|-------|-------|-------|-------|-------|
| DVS 100 |      | 0,45 | 0,80 | 1,20 | 1,50  | 1,80  | 2,25  | 2,65  | 2,95  |
| DVS 125 | 0,80 | 1,25 | 1,65 | 2,10 | 2,60  | 3,00  | 3,45  | 4,00  | 4,50  |
| DVS 160 | 2,10 | 2,35 | 3,00 | 3,70 | 4,20  | 4,95  | 5,45  | 6,25  | 6,90  |
| DVS 200 | 3,15 | 3,90 | 4,75 | 5,15 | 6,25  | 7,40  | 8,25  | 8,95  | 10,00 |
| DVS 250 | 5,85 | 6,95 | 8,05 | 9,45 | 10,30 | 10,85 | 12,35 | 13,75 | 15,50 |

## DSK/DSK-P



$$Q_v = k\sqrt{\Delta p_m}$$



k-value

| a         | 11   | 9    | 7    | 5    | 3    | 2    |
|-----------|------|------|------|------|------|------|
| DSK-P 100 | 5,34 | 4,32 | 3,12 | 2,15 | 1,30 | 0,87 |

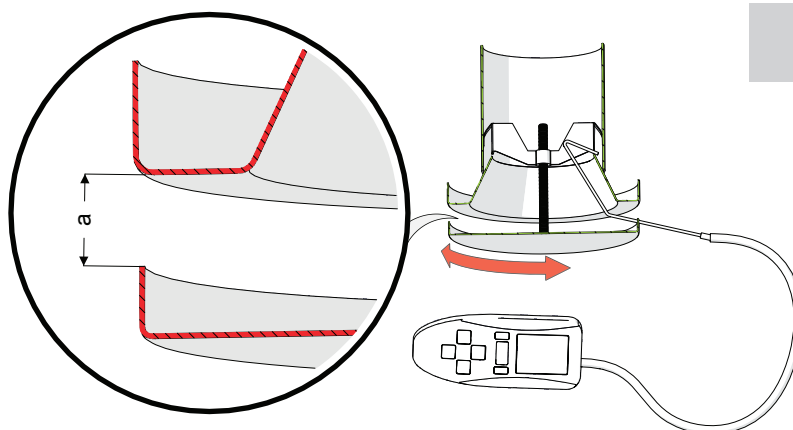
| a          | 9    | 7    | 5    | 3    | 2    |
|------------|------|------|------|------|------|
| DSK-P2 100 | 2,16 | 1,56 | 1,08 | 0,65 | 0,49 |

| a         | 10   | 9    | 7    | 5    | 3    | 2    |
|-----------|------|------|------|------|------|------|
| DSK-P 125 | 4,68 | 3,95 | 3,08 | 2,16 | 1,30 | 0,89 |

| a       | 16    | 14    | 12   | 10   | 8    | 6    | 4    | 2    |
|---------|-------|-------|------|------|------|------|------|------|
| DSK 160 | 13,58 | 11,59 | 9,85 | 8,13 | 6,54 | 4,76 | 3,17 | 1,59 |

| a       | 19    | 16    | 13    | 10   | 7    | 4    |
|---------|-------|-------|-------|------|------|------|
| DSK 200 | 17,47 | 14,95 | 11,72 | 8,92 | 6,09 | 3,47 |

**SFU**



$$Q_v = k\sqrt{\Delta p_m}$$

k-value

SFU 100, supply air

|         |      |      |      |
|---------|------|------|------|
| a, mm   | 6    | 9    | 12   |
| k-value | 2,40 | 3,70 | 4,25 |

SFU 125, supply air

|         |      |      |      |      |      |
|---------|------|------|------|------|------|
| a, mm   | 6    | 9    | 12   | 15   | 18   |
| k-value | 2,45 | 3,80 | 4,70 | 5,60 | 6,85 |

SFU 160, supply air

|         |      |      |      |      |      |
|---------|------|------|------|------|------|
| a, mm   | 6    | 9    | 12   | 15   | 18   |
| k-value | 3,50 | 5,55 | 6,70 | 8,55 | 9,80 |

SFU 200, supply air

|         |      |      |      |      |       |
|---------|------|------|------|------|-------|
| a, mm   | 6    | 9    | 12   | 15   | 18    |
| k-value | 4,75 | 7,05 | 8,50 | 9,75 | 11,05 |

SFU 100, exhaust air

|         |      |      |      |      |      |
|---------|------|------|------|------|------|
| a, mm   | 6    | 9    | 12   | 15   | 18   |
| k-value | 1,90 | 2,95 | 4,00 | 4,35 | 4,40 |

SFU 125, exhaust air

|         |      |      |      |      |      |
|---------|------|------|------|------|------|
| a, mm   | 6    | 9    | 12   | 15   | 18   |
| k-value | 2,15 | 3,60 | 4,20 | 5,30 | 6,35 |

SFU 160, exhaust air

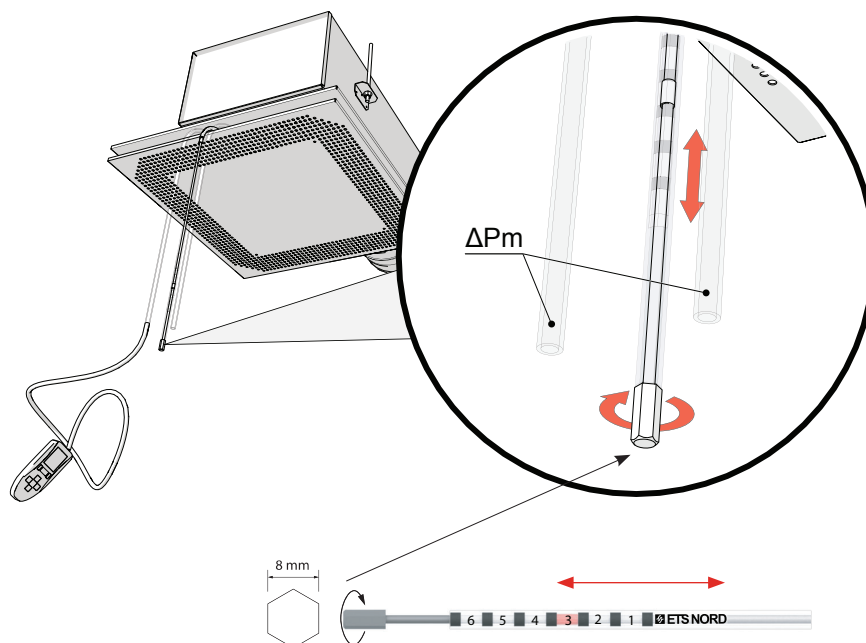
|         |      |      |      |      |      |
|---------|------|------|------|------|------|
| a, mm   | 6    | 9    | 12   | 15   | 18   |
| k-value | 3,55 | 5,00 | 6,40 | 7,60 | 8,55 |

SFU 200, exhaust air

|         |      |      |      |      |       |
|---------|------|------|------|------|-------|
| a, mm   | 6    | 9    | 12   | 15   | 18    |
| k-value | 4,30 | 6,40 | 7,85 | 9,75 | 11,20 |

**DEK**

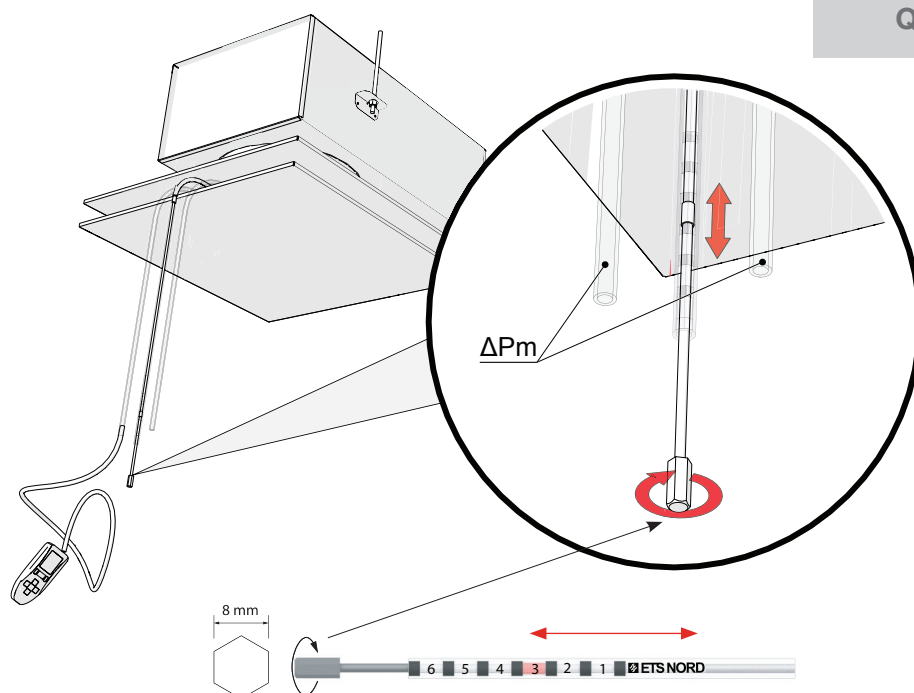
$$Q_v = k\sqrt{\Delta p_m}$$



DEK + SKDM k-value

| Nominal size           | Position |      |      |      |      |      |      |      |
|------------------------|----------|------|------|------|------|------|------|------|
|                        | 1        | 2    | 3    | 4    | 5    | 6    | 7    | 8    |
| DEK 100 + SKDM 100/100 | 2        | 3,8  | 5,4  | 6,6  |      |      |      |      |
| DEK 125 + SKDM 100/125 | 2        | 3,8  | 5,4  | 6,6  |      |      |      |      |
| DEK 160 + SKDM 125/160 | 2,1      | 4    | 5,8  | 7,4  | 8,8  | 10   |      |      |
| DEK 200 + SKDM 160/200 | 3,5      | 6,7  | 9,6  | 12,2 | 14,6 | 16,7 |      |      |
| DEK 250 + SKDM 200/250 | 5,5      | 10,5 | 15,1 | 19,2 | 22,9 | 26,1 |      |      |
| DEK 315 + SKDM 250/315 | 6,4      | 12,5 | 18,1 | 23,4 | 28,3 | 32,8 |      |      |
| DEK 400 + SKDM 315/400 | 7,5      | 14,7 | 21,5 | 28   | 34,2 | 40,1 | 45,8 | 50,9 |

**DEP**



$$Q_v = k \sqrt{\Delta p_m}$$

**Supply**

DEP + SKDM k-value

| Nominal size           | Position |      |      |      |      |      |      |      |
|------------------------|----------|------|------|------|------|------|------|------|
|                        | 1        | 2    | 3    | 4    | 5    | 6    | 7    | 8    |
| DEP 125 + SKDM 100/125 | 2,15     | 3,92 | 5,43 | 6,46 |      |      |      |      |
| DEP 160 + SKDM 125/160 | 2,38     | 4,18 | 5,86 | 7,26 | 8,43 | 9,22 |      |      |
| DEP 200 + SKDM 160/200 | 3,6      | 6,68 | 9,45 | 11,7 | 13,8 | 15,5 |      |      |
| DEP 250 + SKDM 200/250 | 4,85     | 9,51 | 14,4 | 19,3 | 23,8 | 27,6 |      |      |
| DEP 315 + SKDM 250/315 | 6,69     | 12,4 | 17,9 | 22,7 | 26,4 | 29   |      |      |
| DEP 400 + SKDM 315/400 | 6,98     | 14   | 20,6 | 26,9 | 31,9 | 36,5 | 40,1 | 43,2 |

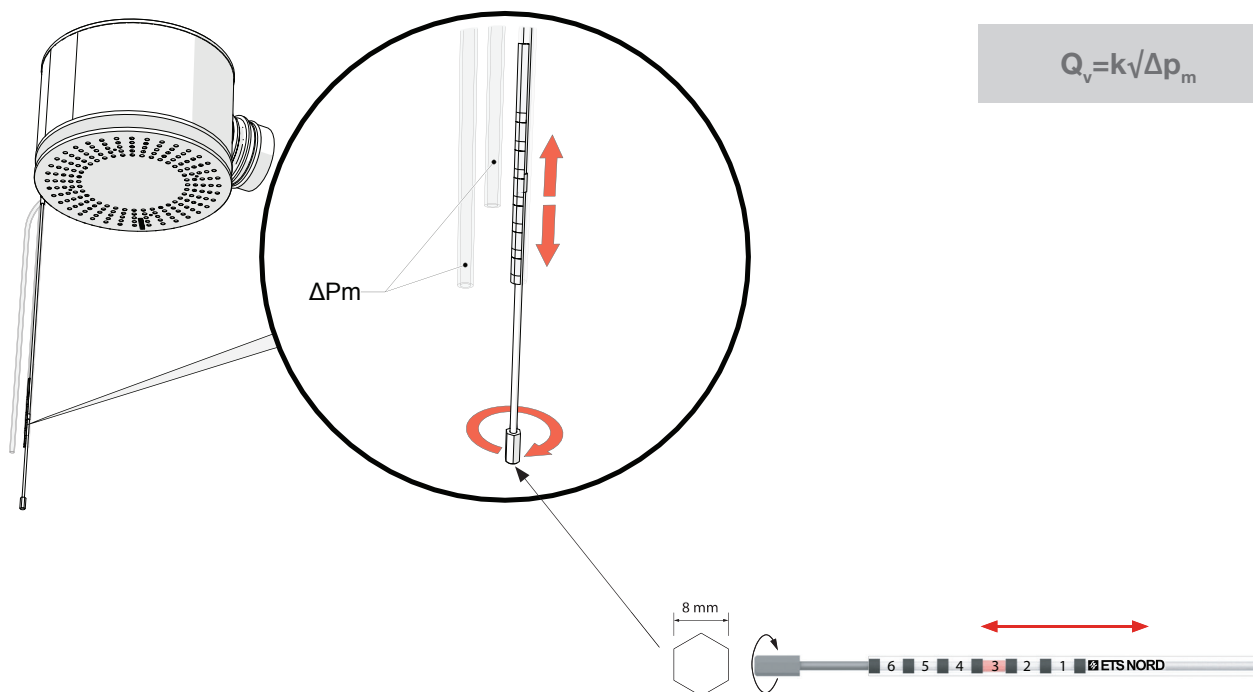
**Exhaust**

DEP + SKDM k-value

| Nominal size           | Position |      |      |      |      |      |      |      |
|------------------------|----------|------|------|------|------|------|------|------|
|                        | 1        | 2    | 3    | 4    | 5    | 6    | 7    | 8    |
| DEP 125 + SKDM 100/125 | 2,12     | 4,07 | 6,08 | 8,16 |      |      |      |      |
| DEP 160 + SKDM 125/160 | 2,22     | 4,19 | 6,33 | 8,65 | 11,2 | 13,2 |      |      |
| DEP 200 + SKDM 160/200 | 3,37     | 6,73 | 10,4 | 14,1 | 17,9 | 21   |      |      |
| DEP 250 + SKDM 200/250 | 5,16     | 9,83 | 14,2 | 17,9 | 20,8 | 22,3 |      |      |
| DEP 315 + SKDM 250/315 | 6,73     | 12,3 | 18,5 | 24,4 | 30,3 | 32,4 |      |      |
| DEP 400 + SKDM 315/400 | 5,76     | 14,8 | 21,5 | 28,3 | 34,8 | 40,6 | 45,2 | 48,1 |



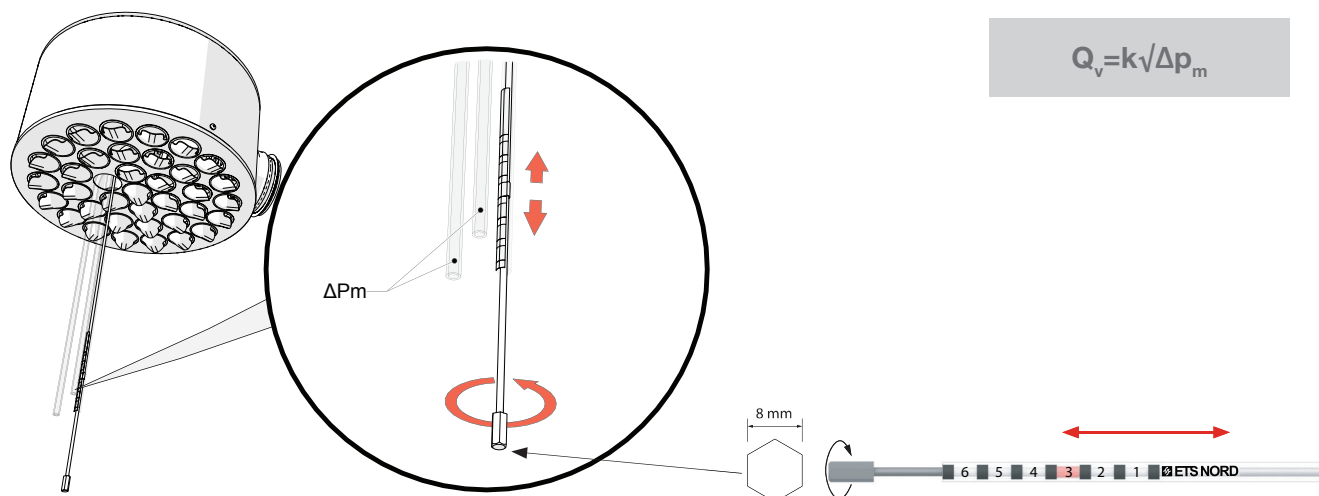
## DEN



k-value

| Nominal size | Position |      |      |      |      |      |      |      |
|--------------|----------|------|------|------|------|------|------|------|
|              | 1        | 2    | 3    | 4    | 5    | 6    | 7    | 8    |
| DEN 100      | 2,2      | 3,7  | 5,4  | 6,7  |      |      |      |      |
| DEN 125      | 1,85     | 3,65 | 5,35 | 7,25 | 8,60 | 9,80 |      |      |
| DEN 160      | 3,3      | 5,6  | 9,1  | 13   | 14,7 | 17   |      |      |
| DEN 200      | 5,2      | 10   | 15,1 | 21,3 | 26,1 | 29,3 |      |      |
| DEN 250      | 8,7      | 16,6 | 24,2 | 33,7 | 40,6 | 43,5 |      |      |
| DEN 315      | 7,8      | 18   | 27,9 | 36,1 | 47,5 | 56,5 | 86,4 | 91,3 |

## DEZ

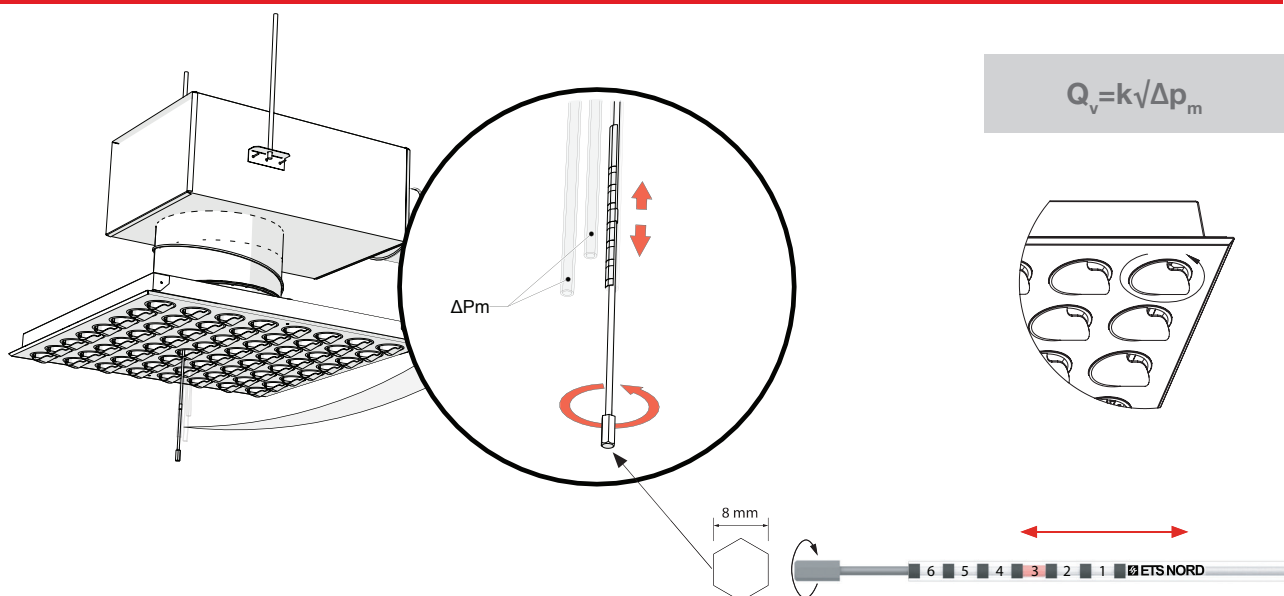


$$Q_v = k\sqrt{\Delta p_m}$$

k-value

| Nominal size | Position |      |      |      |      |      |      |      |
|--------------|----------|------|------|------|------|------|------|------|
|              | 1        | 2    | 3    | 4    | 5    | 6    | 7    | 8    |
| DEZ 100      | 2,0      | 4,0  | 5,9  | 7,5  |      |      |      |      |
| DEZ 125      | 2,1      | 4,1  | 6,0  | 7,9  | 9,5  | 10,7 |      |      |
| DEZ 160      | 3,5      | 6,7  | 9,9  | 12,9 | 15,6 | 17,7 |      |      |
| DEZ 200      | 5,1      | 9,9  | 14,7 | 19,4 | 23,6 | 26,8 |      |      |
| DEZ 250      | 6,3      | 12,5 | 18,5 | 24,4 | 30,0 | 35,3 |      |      |
| DEZ 315      | 7,4      | 14,2 | 21,5 | 29,0 | 36,0 | 43,1 | 50,0 | 56,4 |

## DKZ

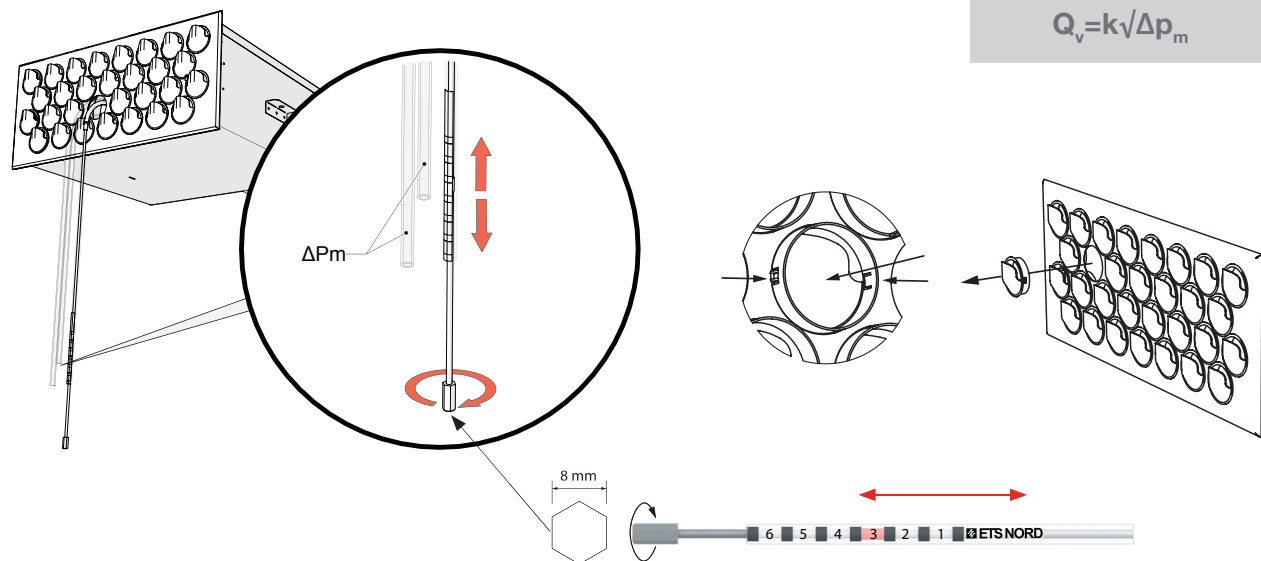


$$Q_v = k\sqrt{\Delta p_m}$$

k-value

| DKZ+SKDM            | Position |      |      |      |      |      |      |      |
|---------------------|----------|------|------|------|------|------|------|------|
|                     | 1        | 2    | 3    | 4    | 5    | 6    | 7    | 8    |
| DKZ 125-300/450/600 | 2,1      | 3,8  | 5,2  | 6,3  |      |      |      |      |
| DKZ 160-300/450/600 | 2,2      | 4,1  | 5,8  | 7,3  | 8,5  | 9,6  |      |      |
| DKZ 200-450/600     | 3,6      | 6,8  | 9,6  | 12,1 | 14,2 | 15,9 |      |      |
| DKZ 250-600         | 5,6      | 10,7 | 15,1 | 19,0 | 22,2 | 24,9 |      |      |
| DKZ 315-600         | 6,6      | 12,8 | 18,4 | 23,5 | 28,1 | 32,1 | 35,7 | 38,7 |
| DKZ 400-600         | 7,8      | 15,1 | 22,0 | 28,4 | 34,5 | 40,1 | 45,2 | 49,9 |

## DRZ



$$Q_v = k \sqrt{\Delta p_m}$$

k-value

| DRZ BxH | Position |      |      |      |      |      |      |      |
|---------|----------|------|------|------|------|------|------|------|
|         | 1        | 2    | 3    | 4    | 5    | 6    | 7    | 8    |
| 400x150 | 2,1      | 3,8  | 5,4  | 6,9  |      |      |      |      |
| 400x200 | 2,2      | 4,0  | 5,7  | 7,3  | 8,9  | 10,4 |      |      |
| 500x200 | 3,6      | 6,7  | 9,5  | 12,2 | 14,8 | 17,2 |      |      |
| 600x250 | 5,5      | 10,0 | 14,2 | 18,2 | 22,1 | 25,8 |      |      |
| 750x300 | 6,9      | 12,7 | 18,1 | 23,2 | 28,1 | 32,9 | 37,5 | 42,0 |

## DSP

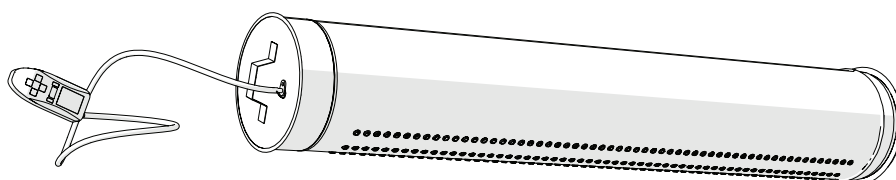
$$q_v = \sqrt{\Delta p} \times 0,030 \times \text{quantity}$$

$$q_v = l/s$$

$\sqrt{\Delta p}$  = measured pressure difference, Pa

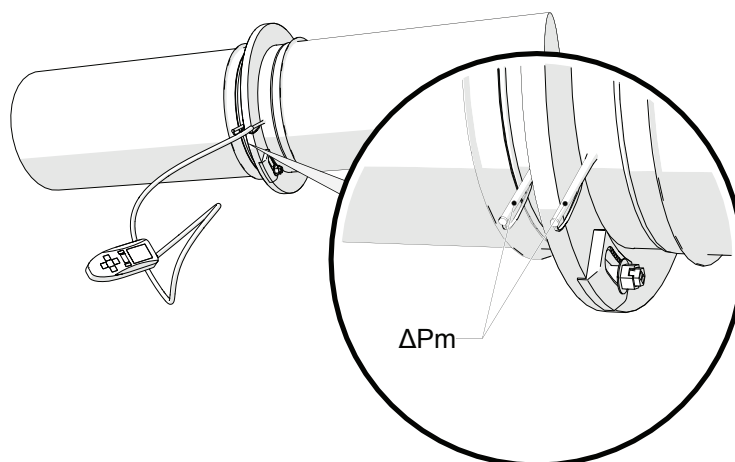
k-value = 0,030

Qty = number of open nozzles



| Nominal size | Quantity of nozzles |
|--------------|---------------------|
| DSP 160-600  | 96                  |
| DSP 200-600  | 144                 |
| DSP 250-600  | 192                 |
| DSP 315-600  | 240                 |
| DSP 400-600  | 288                 |
| DSP 500-600  | 336                 |
| DSP 160-1250 | 236                 |
| DSP 200-1250 | 354                 |
| DSP 250-1250 | 472                 |
| DSP 315-1250 | 590                 |
| DSP 400-1250 | 708                 |
| DSP 500-1250 | 826                 |

**KRI**

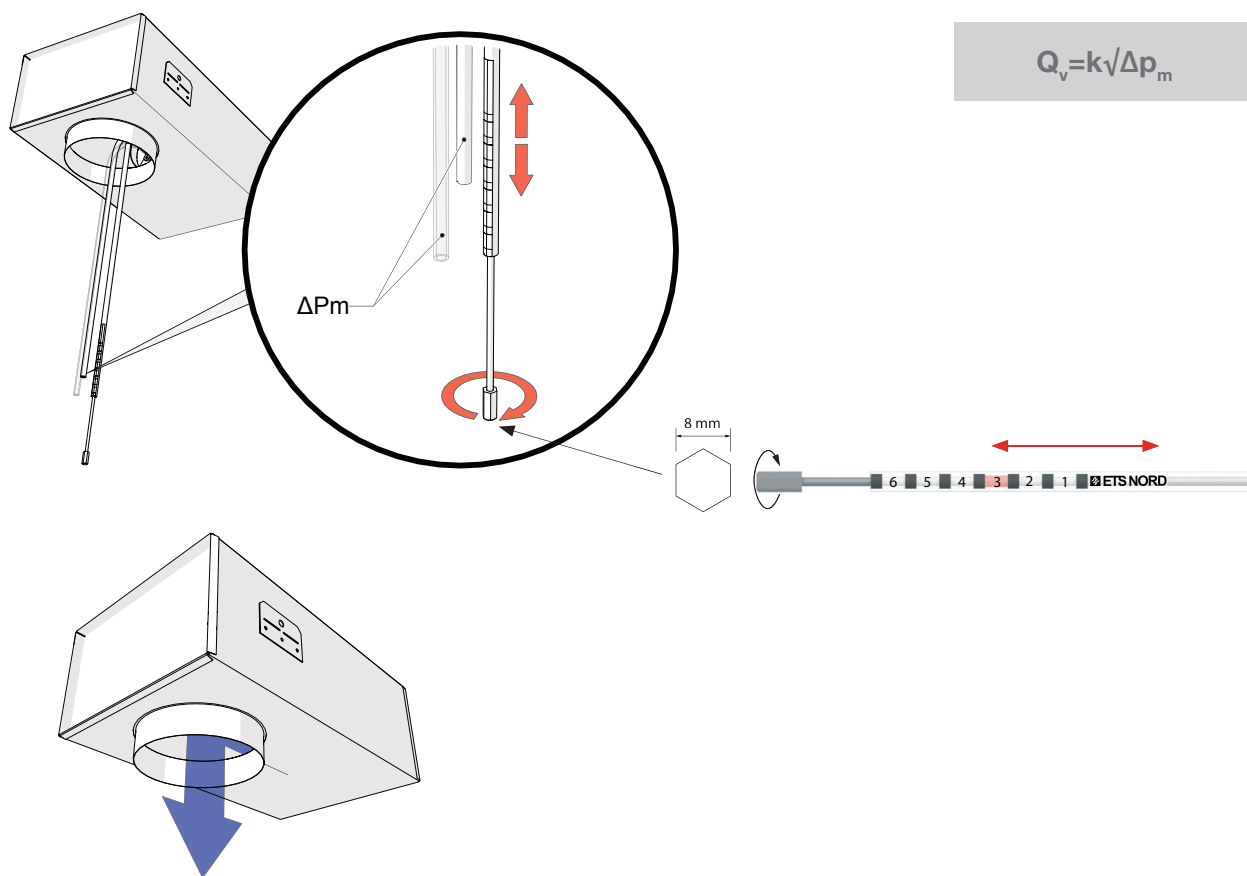


$$Q_v = k\sqrt{\Delta p_m}$$

k-value

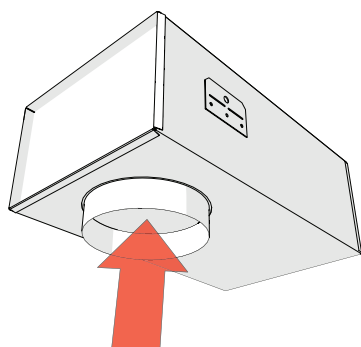
| d       | Position |        |        |        |        |        |        |        |
|---------|----------|--------|--------|--------|--------|--------|--------|--------|
|         | 1        | 2      | 3      | 4      | 5      | 6      | 7      | 8      |
| KRI 100 | 8,30     | 6,69   | 5,56   | 3,95   | 3,10   | 2,44   | 1,70   | 1,28   |
| KRI 125 | 16,04    | 12,07  | 9,77   | 7,28   | 5,33   | 4,07   | 3,13   |        |
| KRI 160 | 24,59    | 17,13  | 14,75  | 12,32  | 9,63   | 7,68   | 5,62   | 4,52   |
| KRI 200 | 50,06    | 34,92  | 25,94  | 20,38  | 15,15  | 11,74  | 8,69   | 5,12   |
| KRI 250 | 71,29    | 51,58  | 43,48  | 34,13  | 25,96  | 20,23  | 15,43  | 12,04  |
| KRI 315 | 120,63   | 70,06  | 58,67  | 45,15  | 37,96  | 30,98  | 22,53  | 17,10  |
| KRI 400 | 136,92   | 107,28 | 92,46  | 69,22  | 54,08  | 40,41  | 32,29  | 23,16  |
| KRI 500 | 232,76   | 182,76 | 151,46 | 118,60 | 94,41  | 71,93  | 55,31  | 38,02  |
| KRI 630 | 456,76   | 313,77 | 254,76 | 172,55 | 130,95 | 97,35  | 74,27  | 56,13  |
| KRI 800 | 523,64   | 438,36 | 368,57 | 314,43 | 228,73 | 177,91 | 137,23 | 104,82 |

## SKDM



SKDM Supply

| Ød  | Position |       |      |       |      |       |      |       |      |       |      |       |      |       |      |
|-----|----------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
|     | s=1      | s=1,5 | s=2  | s=2,5 | s=3  | s=3,5 | s=4  | s=4,5 | s=5  | s=5,5 | s=6  | s=6,5 | s=7  | s=7,5 | s=8  |
| 100 | 1,6      | 2,3   | 2,9  | 3,8   | 4,6  | 5,5   | 6,3  |       |      |       |      |       |      |       |      |
| 125 | 1,7      | 2,4   | 3,0  | 3,9   | 4,7  | 5,6   | 6,4  | 7,2   | 8,0  | 8,7   | 9,3  |       |      |       |      |
| 160 | 3,0      | 4,6   | 6,2  | 7,8   | 9,4  | 10,9  | 12,3 | 13,5  | 14,6 | 15,7  | 16,7 |       |      |       |      |
| 200 | 5,0      | 7,8   | 10,5 | 12,7  | 14,9 | 16,9  | 18,8 | 20,3  | 21,7 | 22,7  | 23,6 |       |      |       |      |
| 250 | 5,6      | 10,6  | 15,5 | 19,3  | 23,0 | 26,9  | 30,7 | 34,6  | 38,4 | 42,2  | 46,0 |       |      |       |      |
| 315 | 9,5      | 13,9  | 18,3 | 22,5  | 26,6 | 31,1  | 35,5 | 40,0  | 44,4 | 47,7  | 51,0 | 54,3  | 57,5 | 60,3  | 63,0 |

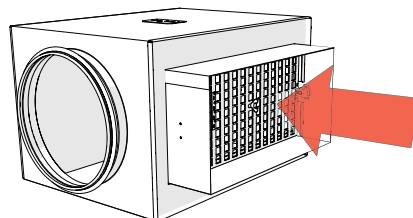
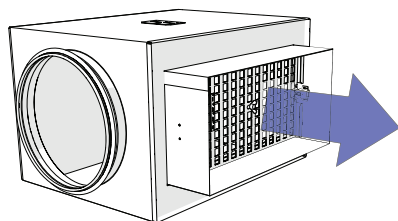
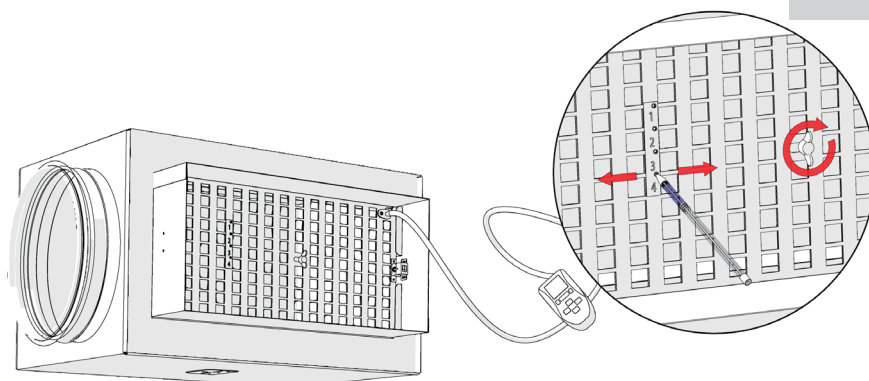


SKDM Exhaust

| Ød  | Position |       |      |       |      |       |      |       |      |       |      |       |      |       |      |
|-----|----------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
|     | s=1      | s=1,5 | s=2  | s=2,5 | s=3  | s=3,5 | s=4  | s=4,5 | s=5  | s=5,5 | s=6  | s=6,5 | s=7  | s=7,5 | s=8  |
| 100 | 2,14     | 3,1   | 4,1  | 5,1   | 6,13 | 7,1   | 8,04 |       |      |       |      |       |      |       |      |
| 125 | 2,23     | 3,2   | 4,19 | 5,2   | 6,24 | 7,4   | 8,54 | 9,7   | 10,8 | 11,9  | 12,9 |       |      |       |      |
| 160 | 3,39     | 5,1   | 6,72 | 8,5   | 10,3 | 12,2  | 14,1 | 15,9  | 17,7 | 19,5  | 21,2 |       |      |       |      |
| 200 | 4,87     | 7,2   | 9,62 | 12,1  | 14,6 | 17,2  | 19,7 | 22,2  | 24,6 | 26,9  | 29,1 |       |      |       |      |
| 250 | 6,64     | 9,6   | 12,5 | 15,5  | 18,4 | 21,4  | 24,3 | 27,1  | 29,9 | 30,5  | 31,1 |       |      |       |      |
| 315 | 5,84     | 9,9   | 14   | 17,4  | 20,7 | 23,7  | 26,6 | 29,4  | 32,1 | 35,1  | 38   | 41,9  | 45,7 | 53    | 59,3 |

**SKRM**

$$Q_v = k\sqrt{\Delta p_m}$$

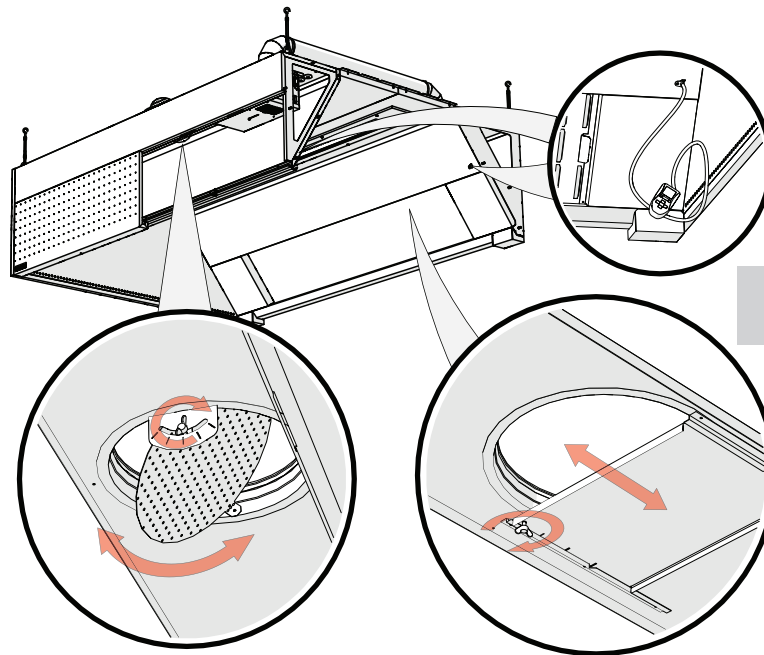


| AxB      | Position |       |       |       |
|----------|----------|-------|-------|-------|
|          | s = 1    | s = 2 | s = 3 | s = 4 |
| 200x100  | 3,7      | 5,1   | 7,7   | 10,5  |
| 200x150  | 5,0      | 7,3   | 11,5  | 16,1  |
| 300x100  | 5,2      | 7,5   | 11,6  | 16,2  |
| 300x150  | 7,3      | 11,1  | 17,9  | 25,3  |
| 300x200  | 9,9      | 15,2  | 24,8  | 35,3  |
| 400x100  | 6,7      | 9,9   | 15,6  | 21,9  |
| 400x150  | 9,7      | 14,9  | 24,3  | 34,6  |
| 400x200  | 13,1     | 20,4  | 33,6  | 48,2  |
| 500x150  | 12,0     | 18,7  | 30,7  | 43,9  |
| 500x200  | 16,2     | 25,6  | 42,4  | 61,0  |
| 600x150  | 13,8     | 21,4  | 35,0  | 49,9  |
| 600x200  | 18,7     | 29,4  | 48,4  | 69,4  |
| 800x150  | 18,5     | 29,0  | 47,8  | 68,5  |
| 800x200  | 25,0     | 39,8  | 66,0  | 95,1  |
| 1000x200 | 31,4     | 50,2  | 83,6  | 120,8 |

| AxB      | Position |       |       |       |
|----------|----------|-------|-------|-------|
|          | s = 1    | s = 2 | s = 3 | s = 4 |
| 200x100  | 3,2      | 4,2   | 5,6   | 6,9   |
| 200x150  | 4,5      | 6,1   | 8,4   | 10,5  |
| 300x100  | 4,6      | 6,2   | 8,5   | 10,5  |
| 300x150  | 6,6      | 9,2   | 12,9  | 16,2  |
| 300x200  | 8,9      | 12,5  | 17,7  | 22,3  |
| 400x100  | 6,0      | 8,2   | 11,3  | 14,2  |
| 400x150  | 8,7      | 12,3  | 17,4  | 22,0  |
| 400x200  | 11,7     | 16,8  | 23,8  | 30,1  |
| 500x150  | 10,8     | 15,4  | 21,9  | 27,7  |
| 500x200  | 14,6     | 21,0  | 30,0  | 38,0  |
| 600x150  | 12,5     | 17,9  | 25,5  | 32,2  |
| 600x200  | 16,9     | 24,4  | 34,8  | 44,0  |
| 800x150  | 16,8     | 24,2  | 34,5  | 43,7  |
| 800x200  | 22,6     | 32,9  | 47,1  | 59,8  |
| 1000x200 | 28,4     | 41,4  | 59,4  | 75,5  |

## HR/HZ

NORDcanopy canopies are fitted with measuring nozzles located inside the canopy



**ATTN :** During measurement all HFK grease filters and blind plates must be in place and the front panel must be closed.

The supply airflow can be adjusted from the adjustment plate.  
The exhaust airflow adjustment plate is located behind the HFK grease filters in the exhaust chamber.  
Lock the adjustment plate in place by using the butterfly nuts.

### K-value for measuring airflow

- Exhaust k-value = 16,6 (per 1 filter)

| Supply air   | k-value, per 1 m of front panel |      |      |      |      |
|--------------|---------------------------------|------|------|------|------|
|              | SPx0                            | SPx1 | SPx2 | SPx3 | SPxK |
| Front panel* | -                               | 19,2 | 32,3 | 50,4 | -    |
| AirGrip      | 2,4                             | -    | -    | -    | -    |
| Side panel*  | -                               | -    | -    | -    | 6,6  |

\* The supply panel k-values above include the "AirGrip" air capture system k-value.

\* If the side panel has perforation, add the side panel k-value to the front panel k-value.

### Calculation example:

Supply air canopy L=2 meter with SPx2 front panel.

#### Calculation of the supply air volume:

Pressure in the supply air chamber is 25 Pa  
Front panel SPx2 k-value is 32,3

$$Q_s = 2 \times 32,3 \times \sqrt{25} = 323 \text{ l/s}$$

#### Calculation of the exhaust air volume:

Pressure in the exhaust air chamber is 25 Pa  
4 x HFK grease filter k-value is 16,6

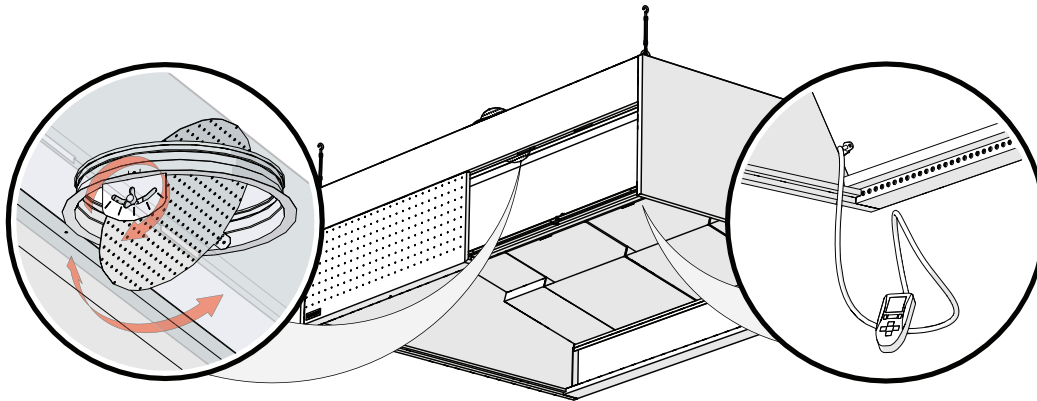
$$Q_e = 4 \times 16,6 \times \sqrt{25} = 332 \text{ l/s}$$

## HU

NORDcanopy canopies are fitted with measuring nozzles located inside the canopy.

**ATTN :** During measurement, HFU steam filters must be fitted and front panel must be closed.

Adjust the supply airflow from the adjustment plate.  
The supply airflow adjustment plate is located in the supply chamber.



\*The supply panels k-value contain the "AirGrip" air nozzle system k-value.

### Calculation example:

Supply air canopy L=2 meter with SPx2 front panel.

### Calculation of the supply air volume:

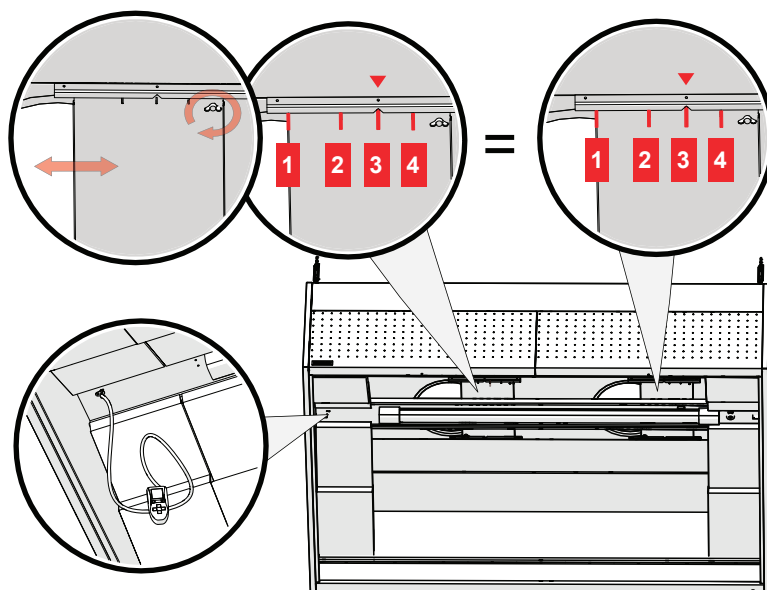
Pressure in the supply air chamber is 25 Pa  
Front panel SPx2 k-value is 32,3

$$Q_s = 2 \times 32,3 \times \sqrt{25} = 323 \text{ l/s}$$

$$Q_v = k\sqrt{\Delta p_m}$$

| Front panel per 1m | k-value |
|--------------------|---------|
| SPx0               | -       |
| SPx1*              | 19,2    |
| SPx2*              | 32,3    |
| SPx3*              | 50,4    |
| AirGrip            | 2,4     |

Adjusting plate located behind HFU condensation plates is used for adjusting exhaust airflow.  
For fixing the regulating plate, lock the butterfly nuts!



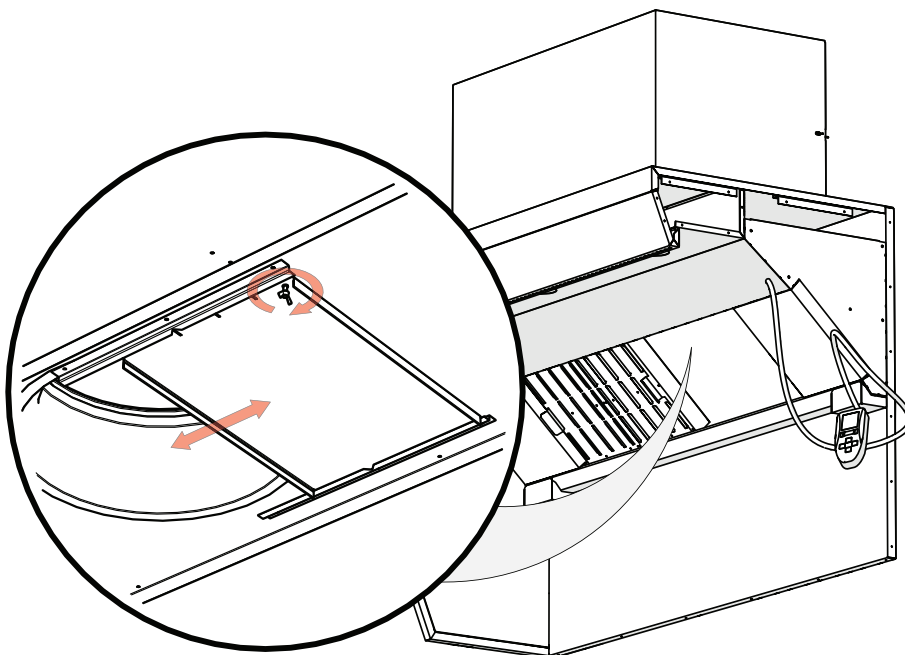
| L    | k-value |       |       |       |
|------|---------|-------|-------|-------|
|      | s=1     | s=2   | s=3   | s=4   |
| 1000 | 38,9    | 34,4  | 29,1  | 25,7  |
| 1500 | 43,8    | 37,6  | 30,9  | 27,0  |
| 2000 | 77,9    | 68,7  | 58,1  | 51,5  |
| 2500 | 83,8    | 72,7  | 60,5  | 53,1  |
| 3000 | 87,7    | 75,2  | 61,9  | 54,0  |
| 3500 | 123,2   | 107,4 | 89,7  | 79,0  |
| 4000 | 155,7   | 137,5 | 116,2 | 102,9 |
| 4500 | 162,3   | 142,0 | 118,9 | 104,8 |
| 5000 | 167,6   | 145,4 | 120,9 | 106,2 |
| 5500 | 171,9   | 148,2 | 122,5 | 107,2 |
| 6000 | 175,3   | 150,4 | 123,8 | 108,0 |



## HG

NORDcanopy canopies are fitted with measuring nozzles located inside the canopy.

$$Q_v = k\sqrt{\Delta p_m}$$



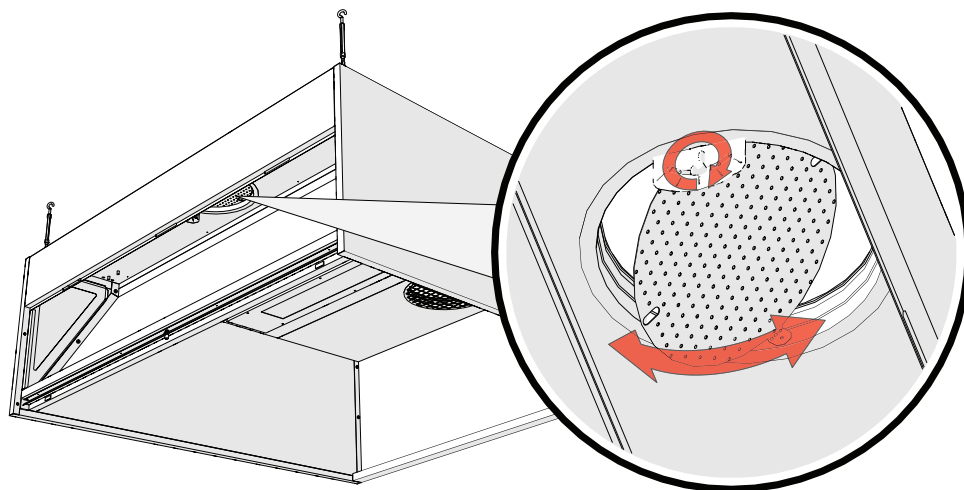
**ATTN :** During measurement all HFK grease filters and blind plates must be in place and the front panel must be closed.

The exhaust airflow can be adjusted from the adjustment plate.  
The exhaust airflow adjustment plate is located behind the HFK grease filters in the exhaust chamber.  
Lock the adjustment plate in place by using the butterfly nuts.

Exhaust k-value = 16,6 (per filter)

## HN

Adjust the supply airflow from the adjustment plate.  
The supply airflow adjustment plate is located in the supply chamber.  
Lock the adjustment plate in place by using the butterfly nuts.



\*The supply panels k-value contain the "AirGrip" air nozzle system k-value.

### Calculation example:

Supply air canopy L=2 meter with SPx2 front panel.

### Calculation of the supply air volume:

Pressure in the supply air chamber is 25 Pa  
Front panel SPx2 k-value is 32,3

$$Q_s = 2 \times 32,3 \times \sqrt{25} = 323 \text{ l/s}$$

| $Q_v = k\sqrt{\Delta p_m}$ |         |
|----------------------------|---------|
| Front panel per 1m         | k-value |
| SPx0                       | -       |
| SPx1*                      | 19,2    |
| SPx2*                      | 32,3    |
| SPx3*                      | 50,4    |
| AirGrip                    | 2,4     |



### ETS NORD Estonia

Address: Peterburi tee 53  
11415 Tallinn  
Estonia  
Phone: +372 680 7360  
info@etsnord.ee  
www.etsnord.ee

### ETS NORD Finland

Address: Pakkasraitti 4  
04360 Tuusula  
Finland  
Phone: +358 401 842 842  
info@etsnord.fi  
www.etsnord.fi

### ETS NORD Sweden

Address: Järsjögatan 7  
69235 Kumla  
Sweden  
Phone: +46 19 554 20 50  
info@etsnord.se  
www.etsnord.se

