

Testing and Balancing Guide 2022

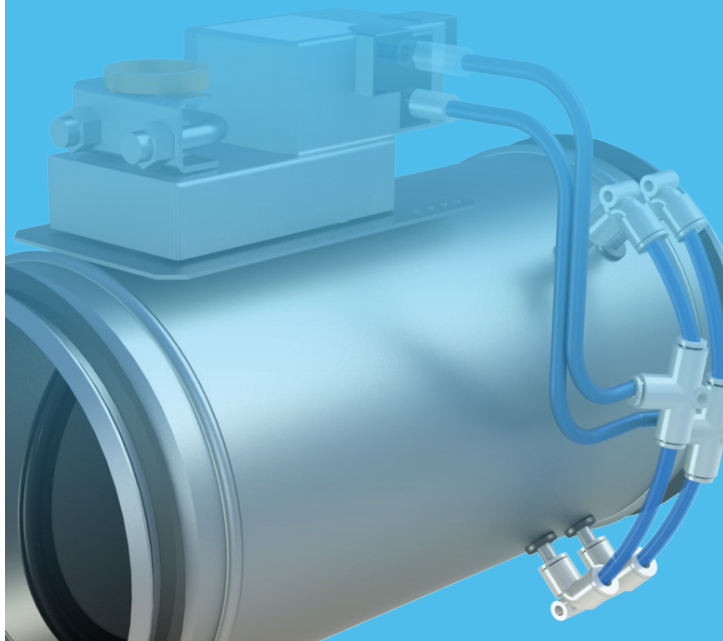
Halton Säätöopas

Guide de mesure et d'équilibrage

Handbuch für Einregulierung und Prüfung

Halton Injusteringsguide

Инструкция по регулированию



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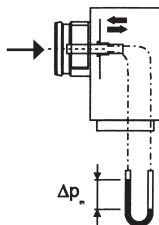
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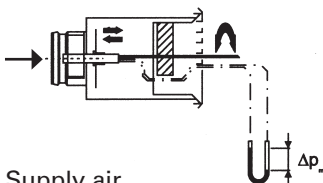


Supply air
Tuloilma
Soufflage
Zuluft
Tilluft
Приток

Pituus Längd Lenght Longueur Länge Длина	Rako Spalt Slot Fente Schlitz Щель	$\varnothing D$	$>6xD$ k	min. $3xD$ k
572	1	1 x 160	19	22
	2-3	1 x 200	28	32
	4	1 x 250	49	51
872	1	1 x 160	19	22
	2-3	1 x 200	28	32
	4	1 x 250	49	51
1172	1	1 x 160	19	22
	2-3	1 x 200	28	32
	4	1 x 250	49	51
1472	1	2 x 160	19	22
	2-3	2 x 200	28	32
	4	2 x 250	49	51
1772	1	2 x 160	19	22
	2-3	2 x 200	28	32
	4	2 x 250	49	51

$$q_v = k \times \sqrt{\Delta p_m}$$

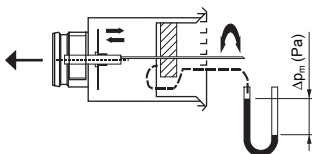
TLB



Supply air
Tuloilma
Soufflage
Zuluft
Tilluft
Приток

	> 8 x D	min 3 x D
TLB/B	k	k
TLB/E	k	k
100	6,2	6,8
125	10,5	12,9
160	18,8	22,4
200	27,8	32,9
250	45,7	55,5

TLB



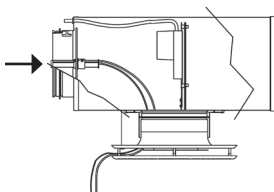
Exhaust air
Poistoilma
Extraction
Abluft
Frånluft
Вытяжка

TLB/C	k
100	8,2
125	9,7
160	12,1
200	21,5
250	31,1

TLB/F	k
100	8,2
125	9,2
160	13,4
200	23,5

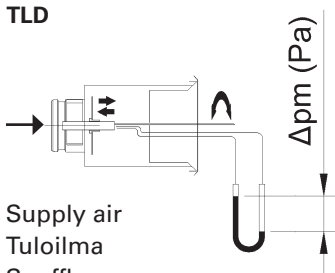
$$q_v = k \times \sqrt{\Delta p_m}$$

VHB / VHD



VHB/VHD	k
160	15,9
200	26,2
250	44,5

TLD



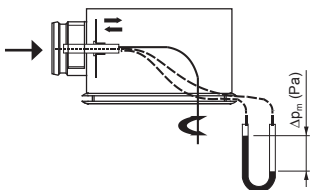
Supply air
Tuloilma
Soufflage
Zuluft
Tilluft
Приток



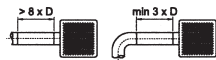
TLD ø D	k	k
100	5,8	6,4
125	9,4	12,6
160	16,1	22,0
200	26,9	32,7
250	45,8	55,5

$$q_v = k \times \sqrt{\Delta p_m}$$

TCV, DRV



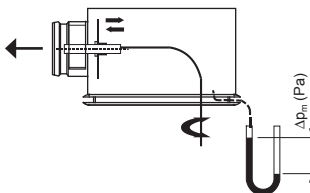
Supply air
Tuloilma
Soufflage
Zuluft
Tilluft
Приток



TCV DRV ø D	k	k
100	6,0	8,5
125	10,0	13,0
160	17,1	22,8
200	27,5	32,1
250	47,9	55,5

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TCV

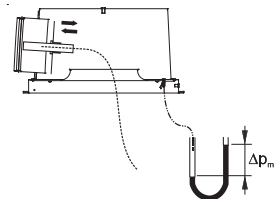


Exhaust air
Poistoilma
Extraction
Abluft
Frånluft
Вытяжка

TCV ø D	k
100	8,7
125	21,6
160	21,6
200	53,1
250	53,1

$$q_v = k \times \sqrt{\Delta p_m}$$

DCS



A

- A = Conical with centre plate
 A = Kartio, jossa on keskilevy
 A = Directionnel avec plaque centrale
 A = Abgeschrägt mit Mittelplatte
 A = Konisk med central platta
 A = Конический с центральной пластиной

Neck	K-value	K-value 0-opening
340	33,1	27,7
250	26,6	$0.07 \times D + 2.82$
160	13,8	11,3
125	8,2	6,6

C

- (C = Conical, C = Kartio, C = Directionnel, C = Abgeschrägt, C = Konisk, C = Конический)

Neck	Directioning	K-value	K-value 0-opening
340	R4	52,9	$0.24 \times D - 31.75$
340	R3	49,7	$0.24 \times D - 31.75$
340	R2	44	$0.24 \times D - 31.75$
250	R4	32	$0.08 \times D + 2.73$
250	R3	32,6	$0.08 \times D + 2.73$
250	R2	29,2	$0.08 \times D + 2.73$
160		14,5	11,4
125		8,3	6,6

Supply air
 Tuloilma
 Soufflage
 Zuluft
 Tilluft

J

- (J = Swirl, J = Pyörre, J = Jet rotatif,
 J = Wirbel, J = Virvel, J = Вихревой)

Neck	K-value	K-value 0-opening
340	33,1	26,3
250	26,1	$0.06 \times D + 4.31$
160	14,1	11,4
125	8,4	6,6

$$q_v = k \times \sqrt{\Delta p_m}$$

N

(N = Nozzle, N = Suutin, N = Buse, N = Düse, N = Dysa, N = Сопло)

Neck	Directioning	K-value	K-value 0-opening
80	315, 250	48,1	0.18 x D - 13.12
80	200	40,5	0.18 x D - 13.12
36		27,4	0.08 x D + 2.37
16		13,2	0.06 x D + 1.00

P

(P = Perforated, P = Rei'itetty, P = Perforé, P = perforiert, P = Perforerad, P = Перфорированный)

Neck	Directioning	K-value	K-value 0-opening
340	R4	50,6	0.22 x D - 26.91
340	R3	47,7	0.22 x D - 26.91
340	R2	46,3	0.22 x D - 26.91
250	R4	30,3	0.08 x D + 3.94
250	R3	29,6	0.08 x D + 3.94
250	R2	28,6	0.08 x D + 3.94
160		13,4	11,1
125		8	6,3

A, C, J, N, P = Type of front panel

A, C, J, N, P = Etulevy malli

A, C, J, N, P = Type de panneau de façade

A, C, J, N, P = Art des Frontpaneels

A, C, J, N, P = Typ av frontpanel

A, C, J, N, P = Тип передней панели

ATTN: D = diameter of duct connection in mm

Huom: D = Lähtökauluksen halkaisija millimetreissä

ATTN : D = diametre de la connection réseau en mm

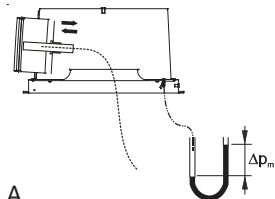
ATTN: D = Durchmesser des Kanalschlusses in mm

Obs: D = kanalanslutningsdiameter i mm

ATTN : D =Размер соединительного патрубка мм

$$q_v = k \times \sqrt{\Delta p_m}$$

DCS



A

- A = Conical with centre plate
 A = Kartio, jossa on keskilevy
 A = Directionnel avec plaque centrale
 A = Abgeschrägt mit Mittelplatte
 A = Konisk med central platta
 A = Конический с центральной пластиной

Ø	k
340	32,3
250	27,9
160	17,6
125	9,7

J

- (J = Swirl, J = Pyörre, J = Jet rotatif,
 J = Wirbel, J = Virvel, J = Вихревой)

Ø	k
340	28,9
250	21,2
160	13,6
125	8

- A, C, J, N, P = Type of front panel
 A, C, J, N, P = Etulevy malli
 A, C, J, N, P = Type de panneau de façade
 A, C, J, N, P = Art des Frontpanels
 A, C, J, N, P = Typ av frontpanel
 A, C, J, N, P = Тип передней панели

$$q_v = k \times \sqrt{\Delta p_m}$$

Exhaust air Poistoilma Extraction Abluft Frånluft Вытяжка

C

- (C = Conical, C = Kartio, C = Directionnel,
 C = Abgeschrägt, C = Konisk, C = Конический)

Ø	k
340	69,6
250	47,2
160	21,4
125	11,1

N

- (N = Nozzle, N = Suutin, N = Buse, N = Düse,
 N = Dysa, N = Сопло)

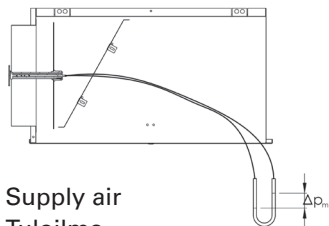
Ø	k
80	52,8
36	27,2
16	12,9

P

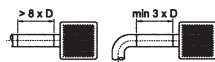
- (P = Perforated, P = Rei'itetty,
 P = Perforé, P = perforiert, P = Perforerad,
 P = Перфорированный)

Ø	k
340	79,3
250	51,8
160	23,2
125	12

Halton Jaz JTH



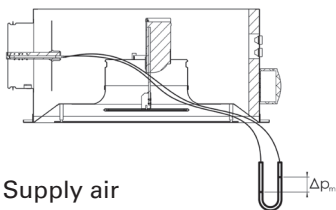
Supply air
Tuloilma
Soufflage
Zuluft
Tilluft
Приток



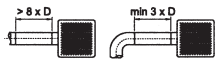
JTH ø D	k	k
125	9,9	12,6
160	16,9	21,9
200	28,3	32,0
250	47,9	51,5

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Halton Jaz Conical VAV



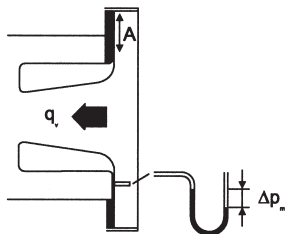
Supply air
Tuloilma
Soufflage
Zuluft
Tilluft
Приток



JDS ø D	k	k
125	9,5	12,6
160	18,0	22,2
200	28,6	32,9
250	44,6	46,0

$$q_v = k \times \sqrt{\Delta p_m}$$

EVA



Exhaust air
Poistoilma
Extraction
Abluft
Frånluft
Вытяжка

300 x 150

A	k
0	1,90
1	2,68
2	4,02
3	5,77
4	7,07
5	9,00
6	10,61
7	12,50

500 x 150

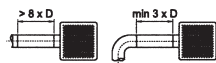
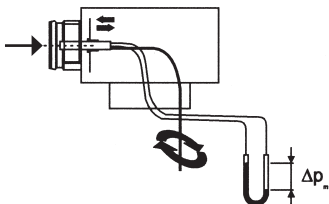
A	k
0	3,54
1	5,66
2	8,49
3	11,18
4	14,14
5	16,43
6	18,97
7	21,00

800 x 150

A	k
0	6,00
1	10,95
2	14,61
3	18,26
4	23,57
5	28,00
6	32,27
7	35,00

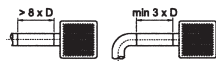
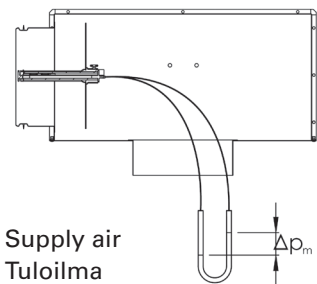
$$q_v = k \times \sqrt{\Delta p_m}$$

TRI / S



TRI ø D	k	k
100	6,0	7,5
125	9,9	12,6
160	16,9	21,9
200	28,3	32,0
250	47,9	51,5
315	78,6	-

TRH

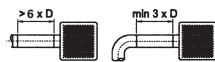
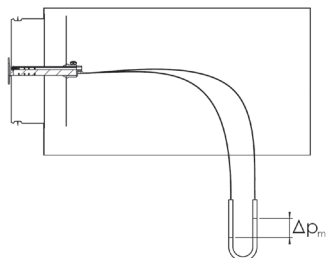


TRH ø D	k	k
100	6,5	7,5
125	10,8	12,6
160	19,4	21,9
200	29,7	31,0
250	48,8	51,5
315	81,3	83,1

Supply air
Tuloilma
Soufflage
Zuluft
Tilluft
Приток

$$q_v = k \times \sqrt{\Delta p_m}$$

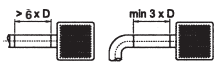
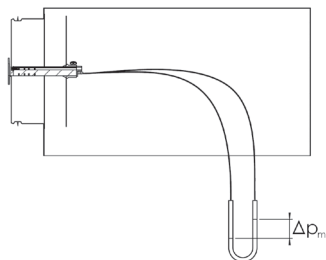
PDA



PDA ø D	k	k
200	28,0	32,0
250	49,0	51,0
315	78,0	-

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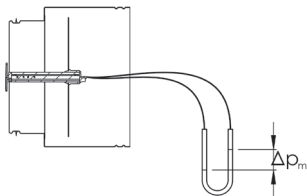
PDF



PDF ø D	k	k
100	6,0	7,0
125	10,0	12,0
160	19,0	22,0
200	28,0	32,0
250	49,0	51,0
315	78,0	-

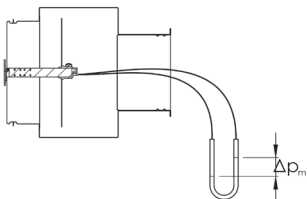
$$q_v = k \times \sqrt{\Delta p_m}$$

BDR



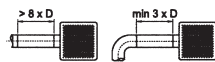
BDR ø D	k	k
125	9,9	12,6
160	16,9	21,9
200	28,3	31,0
250	47,9	51,5
315	78,6	-

PRL



ø 125	k	k
200 x 100	8,2	12,6

ø 160	k	k
300 x 100	14,1	21,7
400 x 100	17,7	21,7



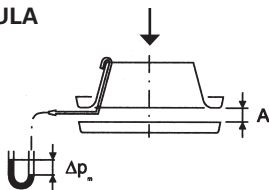
ø 200	k	k
500 x 100	34,6	33,9
300 x 150	20,1	33,9

ø 250	k	k
400 x 150	30,0	55,5
500 x 150	34,6	50,1

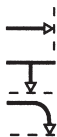
ø 315	k	k
800 x 150	34,6	83,3
400 x 200	55,9	55,5
500 x 200	27,4	83,3
800 x 200	50,0	83,3

$$q_v = k \times \sqrt{\Delta p_m}$$

ULA



Supply air
Tuloilma
Soufflage
Zuluft
Tilluft
Приток



∅ 100 360°

A	k
3	1,40
6	3,09
9	4,52
12	5,61

∅ 100 180°

A	k
3	0,82
6	1,65
9	2,33
12	3,00

∅ 100 360°

A	k
3	1,41
6	3,05
9	4,38
12	5,31

∅ 100 180°

A	k
3	0,90
6	1,64
9	2,31
12	2,90

∅ 100 360°

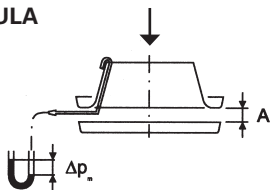
A	k
3	1,41
6	3,06
9	4,40
12	5,36

∅ 100 180°

A	k
3	0,90
6	1,63
9	2,31
12	2,95

$$q_v = k \times \sqrt{\Delta p_m}$$

ULA



Supply air
Tuloilma
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Tilluft
Приток



∅ 125 360°

A	k
3	1,61
6	3,52
9	5,39
12	8,25

∅ 125 180°

A	k
3	1,04
6	1,98
9	2,82
12	4,45

∅ 125 360°

A	k
3	1,60
6	3,51
9	5,33
12	8,07

∅ 125 180°

A	k
3	1,03
6	1,95
9	2,84
12	4,46

∅ 125 360°

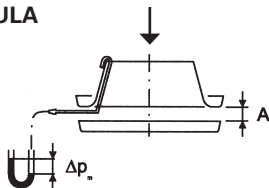
A	k
3	1,60
6	3,51
9	5,33
12	8,07

∅ 125 180°

A	k
3	1,03
6	1,95
9	2,84
12	4,46

$$q_v = k \times \sqrt{\Delta p_m}$$

ULA



Supply air
Tuloilma
Soufflage
Zuluft
Tilluft
Приток



∅ 160 360°

A	k
3	2,00
6	4,11
9	6,61
12	8,78
18	12,92

∅ 160 180°

A	k
3	1,18
6	2,41
9	3,47
12	4,55
18	6,65

∅ 160 360°

A	k
3	2,01
6	4,13
9	6,78
12	8,86
18	12,85

∅ 160 180°

A	k
3	1,23
6	2,42
9	3,41
12	4,39
18	6,68

∅ 160 360°

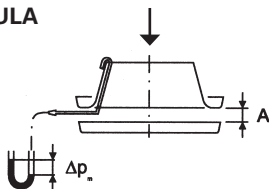
A	k
3	2,01
6	4,13
9	6,78
12	8,86
18	12,85

∅ 160 180°

A	k
3	1,23
6	2,42
9	3,41
12	4,39
18	6,68

$$q_v = k \times \sqrt{\Delta p_m}$$

ULA



Supply air
Tuloilma
Soufflage
Zuluft
Tilluft
Приток



ø 200 360°

A	k
3	2,46
6	5,11
9	8,01
12	10,96
20	17,90

ø 200 180°

A	k
3	1,39
6	2,96
9	4,37
12	5,78
20	9,30

ø 200 360°

A	k
3	2,44
6	5,16
9	8,00
12	10,69
20	17,65

ø 200 180°

A	k
3	1,44
6	3,06
9	4,36
12	5,79
20	9,26

ø 200 360°

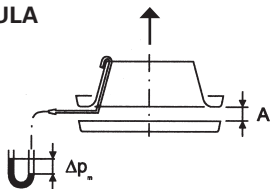
A	k
3	2,44
6	5,16
9	8,00
12	10,69
20	17,65

ø 200 180°

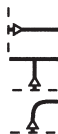
A	k
3	1,44
6	3,06
9	4,36
12	5,79
20	9,26

$$q_v = k \times \sqrt{\Delta p_m}$$

ULA



Exhaust air
Poistoilma
Extraction
Abluft
Frånluft
Вытяжка



ø 100

A	k
3	1,43
6	2,63
9	3,52
12	4,16

ø 125

A	k
3	1,65
6	2,99
9	3,96
15	5,85

ø 100

A	k
3	1,44
6	2,64
9	3,52
12	4,14

ø 125

A	k
3	1,65
6	2,99
9	3,97
15	5,85

ø 100

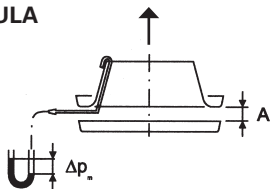
A	k
3	1,45
6	2,63
9	3,53
12	4,17

ø 125

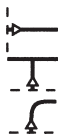
A	k
3	1,65
6	2,99
9	3,97
15	5,85

$$q_v = k \times \sqrt{\Delta p_m}$$

ULA



Exhaust air
Poistoilma
Extraction
Abluft
Frånluft
Вытяжка



ø 160

A	k
3	1,58
6	3,61
9	5,19
15	7,56

ø 200

A	k
3	2,53
6	4,72
9	6,48
15	10,11

ø 160

A	k
3	1,54
6	3,60
9	5,19
15	7,58

ø 200

A	k
3	2,28
6	4,80
9	6,55
15	10,13

ø 160

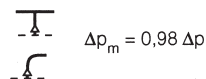
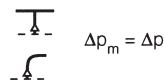
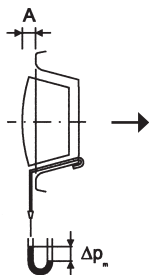
A	k
3	1,54
6	3,60
9	5,19
15	7,58

ø 200

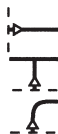
A	k
3	2,40
6	4,75
9	6,60
15	10,13

$$q_v = k \times \sqrt{\Delta p_m}$$

URH, FDV



Exhaust air
Poistoilma
Extraction
Abluft
Frånluft
Вытяжка



ø 100

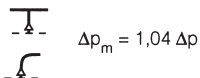
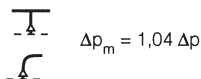
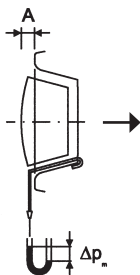
A	k
-15	0,43
-12	0,63
-9	0,83
-6	1,02
-3	1,22
0	1,42
3	1,65
6	1,88
9	2,11
12	2,33

ø 125

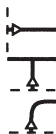
A	k
-15	0,65
-12	0,92
-9	1,22
-6	1,53
-3	1,84
0	2,17
3	2,52
6	2,83
9	3,14
12	3,46
15	3,77

$$q_v = k \times \sqrt{\Delta p_m}$$

URH, FDV



Exhaust air
Poistoilma
Extraction
Abluft
Frånluft
Вытяжка



ø 160

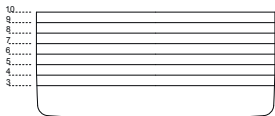
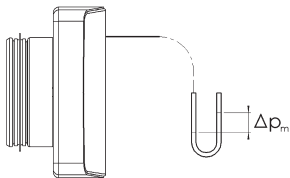
A	k
-12	1,16
-9	1,51
-6	1,90
-3	2,31
0	2,75
3	3,25
6	3,73
9	4,22
12	4,67
15	5,12
18	5,58

ø 200

A	k
3	1,78
6	2,46
9	3,24
12	3,97
15	4,69
20	5,88
25	6,95

$$q_v = k \times \sqrt{\Delta p_m}$$

BOS



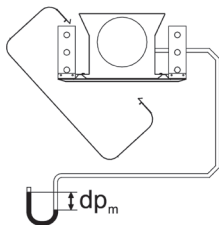
$$q_v = k \times l_{\text{eff}} \sqrt{\Delta p_m}$$

BOS-100/125
kuristinlevy
trimming plate
justeringsplatta
plaque de fixation
einstellplatte
регулирующая пластина

k

10	1,60
9	1,80
8	2,11
7	2,39
6	2,66
5	2,91
4	3,22
3	3,45
Auki/open/öppet/ouvert/geöffnet/открыто	4,08

Halton Rex Exposed



$$q_v = k \times l_{\text{eff}} \sqrt{\Delta p_m}$$

REE	k / m
A	0,71
B	0,99
C	1,36
D	2,09
E	3,33

REE & HAQ

$$q_{v2} = a \times 0,17 \times \sqrt{\Delta p_m}$$

$$q_v = q_{v1} + q_{v2}$$

a = HAQ position

a = HAQ position

HAQ airflow rate

HAQ luftflödet

a = HAQ asento

a = HAQ позиция

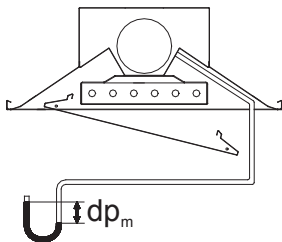
HAQ ilman tilavuusvirta

HAQ расход воздуха

a = HAQ position

HAQ débit d'air

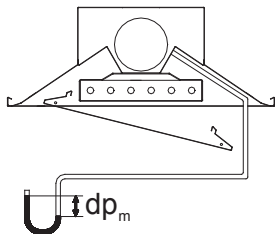
Halton Rex 600 Basic



$$q_v = k \times l_{\text{eff}} \sqrt{\Delta p_m}$$

R6B	k / m
A	0,71
B	0,99
C	1,36
D	2,09
E	3,33

Halton Rex 600



$$q_{v1} = k \times l_{\text{eff}} \sqrt{\Delta p_m}$$

RE6 & HAQ

$$q_{v2} = a \times k \times \sqrt{\Delta p_m}$$

a = HAQ position
a = HAQ asento
a = HAQ position

a = HAQ position
a = HAQ позиция

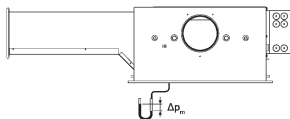
$$q_v = q_{v1} + q_{v2}$$

HAQ airflow rate
HAQ ilman tilavuusvirta
HAQ débit d'air

HAQ luftflödet
HAQ расход воздуха

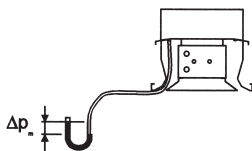
RE6	k / m
A	0,71
B	0,99
C	1,36
D	2,09
E	3,33

CHB



$$q_v = k \times \sqrt{\Delta p_m}$$

CHB	k [l/s]
CHB/A-1000	2,14
CHB/A-1200	2,83
CHB/A-1400	3,59
CHB/B-1000	2,93
CHB/B-1200	3,90
CHB/B-1400	4,97
CHB/C-1000	4,00
CHB/C-1200	5,39
CHB/C-1400	6,94

CBD

CBD	k / m
-----	-------

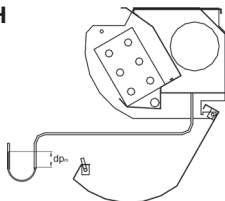
CBD/A	0,71
-------	------

CBD/B	0,99
-------	------

CBD/C	1,33
-------	------

CBD/D	2,00
-------	------

$$q_v = k \times l_{\text{eff}} \sqrt{\Delta p_m}$$

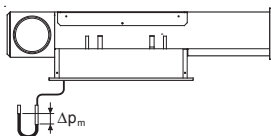
CBH

CBH	k / m
-----	-------

CBH/F,K	0,73
---------	------

CBH/G,M	1,04
---------	------

$$q_v = k \times l_{\text{eff}} \sqrt{\Delta p_m}$$

CHH

CHH	k
-----	---

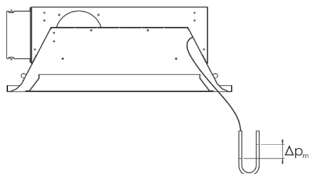
CHH/A	2,11
-------	------

CHH/B	3,03
-------	------

CHH/C	4,15
-------	------

$$q_v = k \times \sqrt{\Delta p_m}$$

Halton Rex Expander



$$q_v = k \times \sqrt{\Delta p_m}$$

a = HAQ position
a = HAQ asento
a = HAQ position

a = HAQ position
a = HAQ позиция

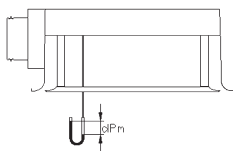
RXP 600

a	RXP/C k	RXP/D k	RXP/E k
0	1,1	1,6	2,5
1	1,7	2,1	3,1
2	2,2	2,7	3,6
3	2,7	3,2	4,1
4	3,2	3,7	4,6
5	3,7	4,1	5,1
6	4,1	4,6	5,5
7	4,5	5,0	5,9
8	4,9	5,4	6,3
9	5,3	5,7	6,7

RXP 1200

a	RXP/C k	RXP/D k	RXP/E k
0	2,1	2,9	4,7
1	2,6	3,5	5,3
2	3,1	4,0	5,8
3	3,7	4,5	6,3
4	4,1	5,0	6,8
5	4,6	5,5	7,3
6	5,0	5,9	7,7
7	5,5	6,3	8,1
8	5,9	6,7	8,5
9	6,2	7,1	8,9

CSW



$$q_{v1} = (k1 + k2 \times N) \times \sqrt{\Delta p_m}$$

CSW	k
k1	0,73
k2	0,097

CSW & HAQ

$$q_{v2} = a \times k \times \sqrt{\Delta p_m}$$

a = HAQ position
a = HAQ asentot
a = HAQ position

a = HAQ position

$$q_v = q_{v1} + q_{v2}$$

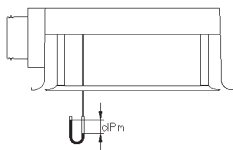
HAQ airflow rate
HAQ ilman tilavuusvirta
HAQ débit d'air

HAQ luftflödet

HAQ расход воздуха

Nozzle	k	CSW + HAQ
k1	0.73	$q_{v2} = a \times k \times \sqrt{\Delta P_m}$
k2	0.097	a = HAQ position
$q_{v1} = (k1 + k2 \times N) \times \sqrt{\Delta P_m}$		HAQ k = 0.08
k1 = 24 small nozzles		$q_v = q_{v1} + q_{v2}$
k2 = 1 big nozzles		
N = number of open big nozzles		

CSW exhaust



Exhaust air
Poistoilma
Extraction
Abluft
Frånluft
Вытяжка

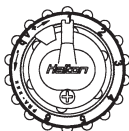
HAQ exhaust

$$q_v = \frac{k \times (a_1 + a_2) \times \sqrt{\Delta p_m}}{a_1}$$

HAQ₁ position

$$\frac{a_2}{k} = \frac{\text{HAQ}_2 \text{ position}}{0,165}$$

$$q_v = k \times \sqrt{\Delta p_m}$$



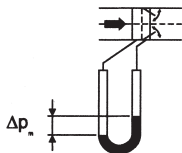
100 ... 315

ø 100

A	k
1	1,8
1,5	2,1
2	2,4
2,5	2,7
3	3,1
3,5	3,6
4	4,1
4,5	4,7
5	5,5
5,5	6,4
6	7,8

ø 160

A	k
1	4,1
1,5	4,7
2	5,5
2,5	6,4
3	7,6
3,5	9,0
4	10,6
4,5	12,6
5	15,0
5,5	18,2
6	22,9



ø 125

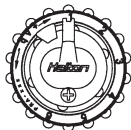
A	k
1	2,5
1,5	2,9
2	3,3
2,5	3,8
3	4,4
3,5	5,0
4	5,9
4,5	6,8
5	7,9
5,5	9,5
6	11,6

ø 200

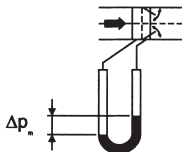
A	k
1	7,1
1,5	8,0
2	8,8
2,5	10,0
3	11,4
3,5	13,1
4	15,1
4,5	17,5
5	20,5
5,5	24,2
6	29,0

$$q_v = k \times \sqrt{\Delta p_m}$$

PRA



100 ... 315



350 ... 1000

ø 250

A	k
1	10,5
1,5	11,9
2	13,8
2,5	16,1
3	18,9
3,5	22,0
4	25,6
4,5	30,1
5	35,8
5,5	42,9
6	52,8

ø 315

A	k
1	18,3
1,5	21,8
2	26,0
2,5	30,7
3	36,5
3,5	43,3
4	51,3
4,5	61,5
5	74,3
5,5	92,6
6	120,2

ø 350

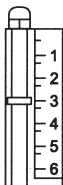
A	k
1	17,6
2	24,3
3	35,2
4	50,0
5	71,6
6	99,0

ø 400

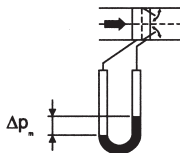
A	k
1	20,5
2	26,5
3	36,5
4	55,0
5	86,0
6	137,0

$$q_v = k \times \sqrt{\Delta p_m}$$

PRA



350 ... 1000



ø 500

A	k
1	27,5
2	39,0
3	59,0
4	86,0
5	123,0
6	175,0

ø 630

A	k
1	65,0
2	90,0
3	115,0
4	154,0
5	202,0
6	295,0

ø 800

A	k
1	98,0
2	137,0
3	198,0
4	280,0
5	393,0
6	570,0

ø 1000

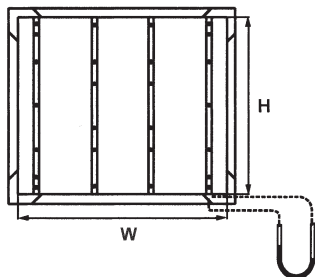
A	k
1	144,0
2	220,0
3	310,0
4	440,0
5	620,0
6	890,0

$$q_v = k \times \sqrt{\Delta p_m}$$

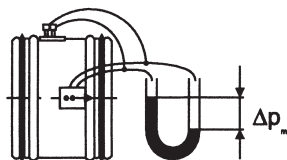
MSA

$$q_v = k \times \sqrt{\Delta p_m}$$

$$k = W \text{ (mm)} \times H \text{ (mm)} \times 0,001054$$



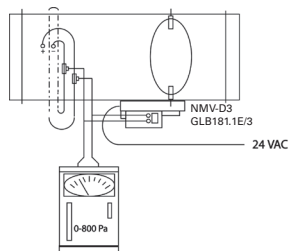
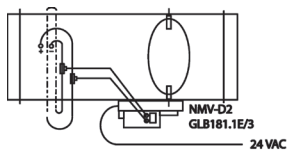
MSD



MSD	k
100	5,7
125	9,4
160	17,2
200	27,8
250	43,9
315	72,3
400	127,00
500	200,00

$$q_v = k \times \sqrt{\Delta p_m}$$

BOX

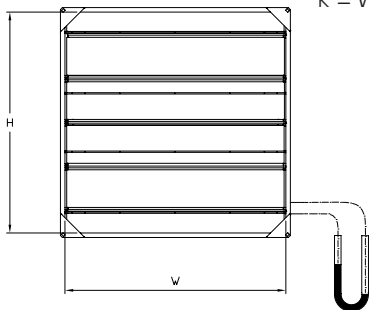


BOX	k
100	6,5
125	10,6
160	18,3
200	27,4
250	44,0
315	71,4
355	91,4
400	117,0
500	185,1

UKV

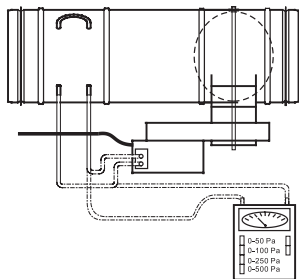
$$q_v = k \times \sqrt{\Delta p_m}$$

$$k = W \text{ (mm)} \times H \text{ (mm)} \times 0,001054$$



$$q_v = k \times \sqrt{\Delta p_m}$$

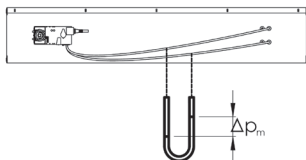
Halton Max One Circular



MOC	k
100	6,4
125	10,0
160	18,0
200	28,8
250	46,9
315	71,9
400	121,2
500	194,9
630	318,0

Testing and Balancing Guide 01/2022

Halton Max Slim Box



MSB	k
200 x 150	18,5
300 x 150	28,0
300 x 250	62,5
400 x 250	83,5
600 x 250	125,0
800 x 250	166,5

Halton Max Ultra Circular (MUC)

Please see www.halton.com
Ole hyvä ja katso www.halton.com
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Bitte besuchen Sie www.halton.com
Var vänlig och se www.halton.com
Смотрите, Пожалуйста www.halton.com

$$q_v = k \times \sqrt{\Delta p_m}$$

About us

Halton is the global technology leader in indoor air solutions for demanding spaces across industries – food service, healthcare, public spaces, marine, offshore and more. At Halton, our mission is to enable people's wellbeing in these environments.

For Halton's sales unit and distributor contact details please refer to our website:

www.halton.com

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