



# SAP-Z en SAP-F Nozzles

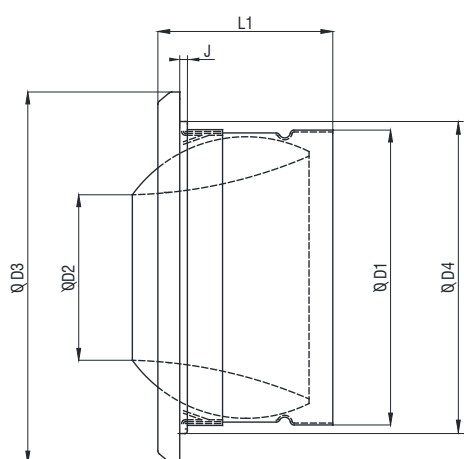
Nozzle

## Nozzle

### SAP-Z Nozzles

#### Introductie

SAP-Z Nozzles worden vooral daar toegepast waar de ingeblazen lucht grote afstanden tot de leef zone moet overbruggen. De nozzles zijn vervaardigd uit onbewerkt aluminium en worden standaard in RAL 9010 geleverd. De straalrichting kan eenvoudig met de hand op het werk ingesteld worden. Tevens kan deze zwenkbeweging van 30° motorisch plaatsvinden. Andere RAL kleuren zijn op aanvraag mogelijk.



Diameter	ø D1	ø D2	ø D3	L1	ø D4	J
100	98	50	135	79	98	2
125	123	64	169	89	123	0
160	148	72	196	118	162	5
200	199	108	255	138	215	5
250	248	136	300	178	260	8
315	313	174	384	195	325	10
400	398	230	462	214	408	10

Snelselectie tabel SAP-Z

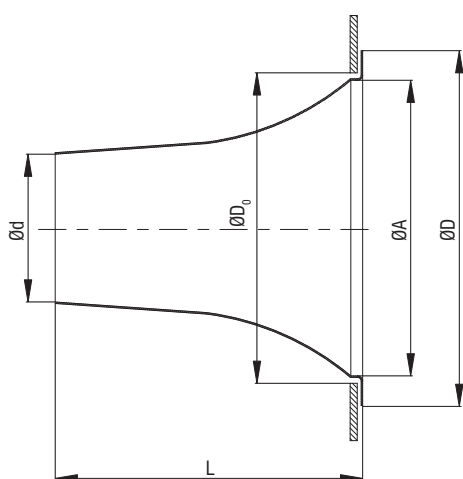
	øD2	V (m³/h)	v <sub>ef</sub> (m/s)	L (m)	L <sub>WA</sub> (dB(A))	v <sub>L</sub> (m/s)	V (m³/h)	v <sub>ef</sub> (m/s)	L (m)	L <sub>WA</sub> (dB(A))	v <sub>L</sub> (m/s)	V (m³/h)	v <sub>ef</sub> (m/s)	L (m)	L <sub>WA</sub> (dB(A))	v <sub>L</sub> (m/s)
100	50	47	6,62	10 m	<20	0,25 m/s	94	13,24	20 m	31	0,25 m/s	140	19,86	30 m	42	0,25 m/s
125	64	61	5,28		<20		122	10,57		27		180	15,54		37	
160	82	83	4,36		<20		166	8,71		<20		248	13,07		32	
200	108	104	3,17		<20		220	6,66		<20		306	9,28		25	
250	136	133	2,55		<20		274	5,23		<20		382	7,30		23	
315	174	180	2,10		<20		353	4,12		<20		540	6,31		21	
400	230	234	1,56		<20		464	3,10		<20		702	4,69		<20	

	øD2	V (m³/h)	v <sub>ef</sub> (m/s)	L (m)	L <sub>WA</sub> (dB(A))	v <sub>L</sub> (m/s)	V (m³/h)	v <sub>ef</sub> (m/s)	L (m)	L <sub>WA</sub> (dB(A))	v <sub>L</sub> (m/s)	V (m³/h)	v <sub>ef</sub> (m/s)	L (m)	L <sub>WA</sub> (dB(A))	v <sub>L</sub> (m/s)
100	50	94	13,24	10 m	31	0,5 m/s	187	26,48	20 m	51	0,5 m/s	187	26,48	30 m	51	0,5 m/s
125	64	122	10,57		27		245	21,14		46		306	26,42		51	
160	82	166	8,71		<20		331	17,42		39		497	26,13		50	
200	108	220	6,66		<20		436	13,21		36		655	19,87		47	
250	136	274	5,23		<20		547	10,46		32		824	15,76		43	
315	174	353	4,12		<20		702	8,20		27		1055	12,32		39	
400	230	464	3,10		<20		929	6,21		27		1393	9,31		37	

## SAP-F nozzles

### Introductie

SAP-F Nozzles worden vooral daar toegepast waar de ingeblazen lucht grote afstanden tot de leef zone moet overbruggen. De nozzles zijn vervaardigd uit onbewerkt aluminium en worden standaard in RAL 9010 geleverd. De SAP-F nozzle is vaststaand en kan niet versteld worden.



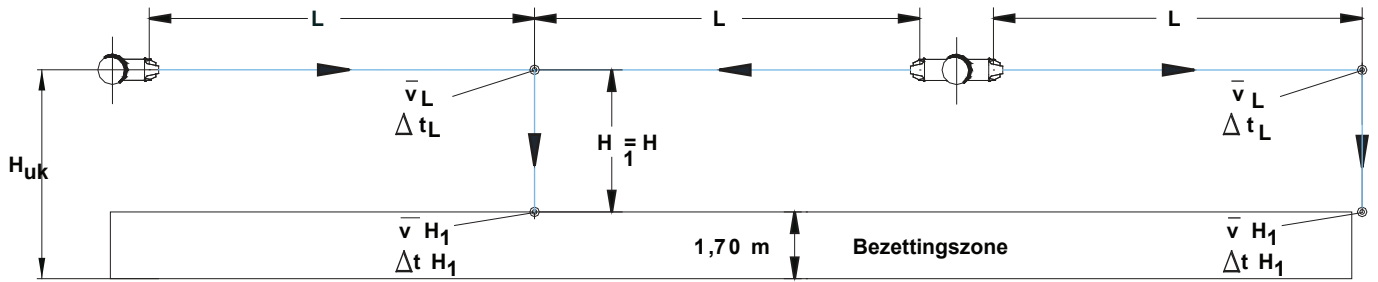
SAP-F	ød [mm]	øD [mm]	øD <sub>0</sub> [mm]	øA [mm]	L [mm]	A <sub>ef</sub> [m <sup>2</sup> ]
	50	130	105	100	105	0,002
	75	180	156	150	157	0,004
	100	240	210	200	210	0,007
	125	330	295	285	240	0,012
	150	350	310	300	290	0,017
	175	350	310	300	190	0,024
	200	440	460	450	380	0,031

Snelselectie tabel SAP-F

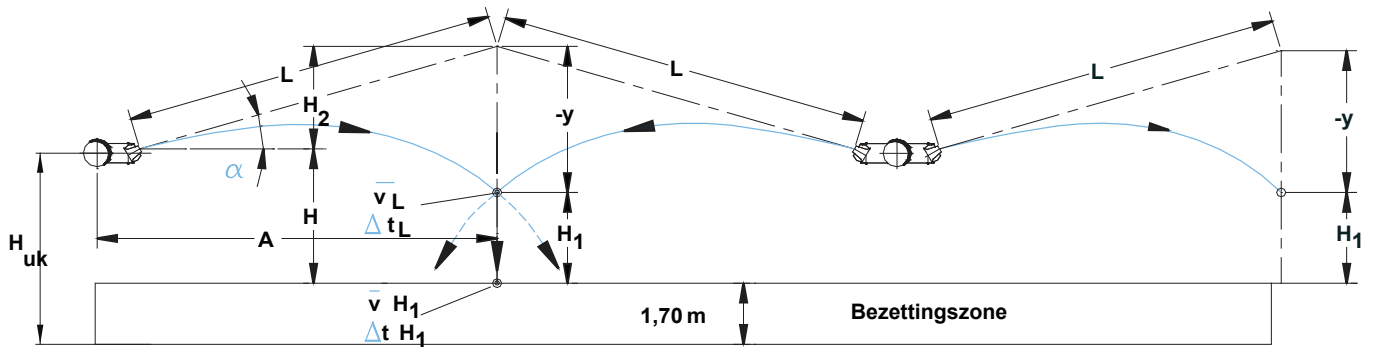
	V (m <sup>3</sup> /h)	v <sub>ef</sub> (m/s)	L (m)	L <sub>WA</sub> (dB(A))	v <sub>L</sub> (m/s)	V (m <sup>3</sup> /h)	v <sub>ef</sub> (m/s)	L (m)	L <sub>WA</sub> (dB(A))	v <sub>L</sub> (m/s)	V (m <sup>3</sup> /h)	v <sub>ef</sub> (m/s)	L (m)	L <sub>WA</sub> (dB(A))	v <sub>L</sub> (m/s)
50	47	6,65	10 m	<20	0,25 m/s	94	13,30	20 m	31	0,25 m/s	140	19,81	30 m	42	0,25 m/s
75	76	4,78		<20		150	9,43		24		223	14,02		35	
100	97	3,43		<20		195	6,90		<20		324	11,46		28	
125	130	2,94		<20		263	5,95		<20		367	8,31		24	
150	137	2,15		<20		288	4,53		<20		430	6,76		22	
175	170	1,96		<20		355	4,10		<20		558	6,44		20	
200	205	1,81		<20		432	3,82		<20		630	5,57		20	

	V (m <sup>3</sup> /h)	v <sub>ef</sub> (m/s)	L (m)	L <sub>WA</sub> (dB(A))	v <sub>L</sub> (m/s)	V (m <sup>3</sup> /h)	v <sub>ef</sub> (m/s)	L (m)	L <sub>WA</sub> (dB(A))	v <sub>L</sub> (m/s)	V (m <sup>3</sup> /h)	v <sub>ef</sub> (m/s)	L (m)	L <sub>WA</sub> (dB(A))	v <sub>L</sub> (m/s)
50	94	13,30	10 m	31	0,5 m/s	187	26,46	20 m	51	0,5 m/s	187	26,46	30 m	51	0,5 m/s
75	155	9,75		25		306	19,24		42		418	26,28		50	
100	225	7,96		<20		432	15,28		37		612	21,65		49	
125	270	6,11		<20		486	11,00		34		756	17,11		45	
150	295	4,64		<20		594	9,34		30		900	14,15		42	
175	360	4,16		<20		706	8,15		27		1062	12,26		39	
200	432	3,82		<20		468	4,14		27		1152	10,19		38	

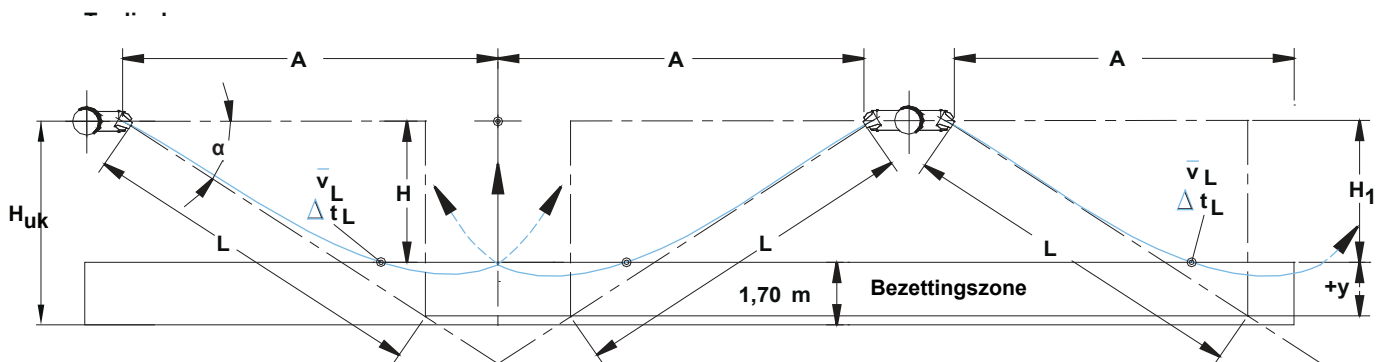
Isotherme lucht



Koude lucht

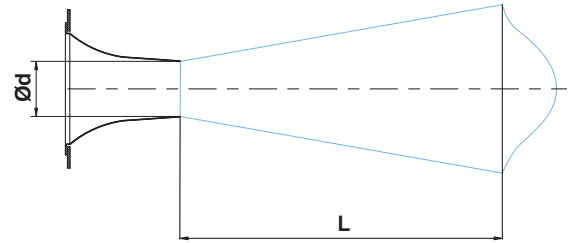
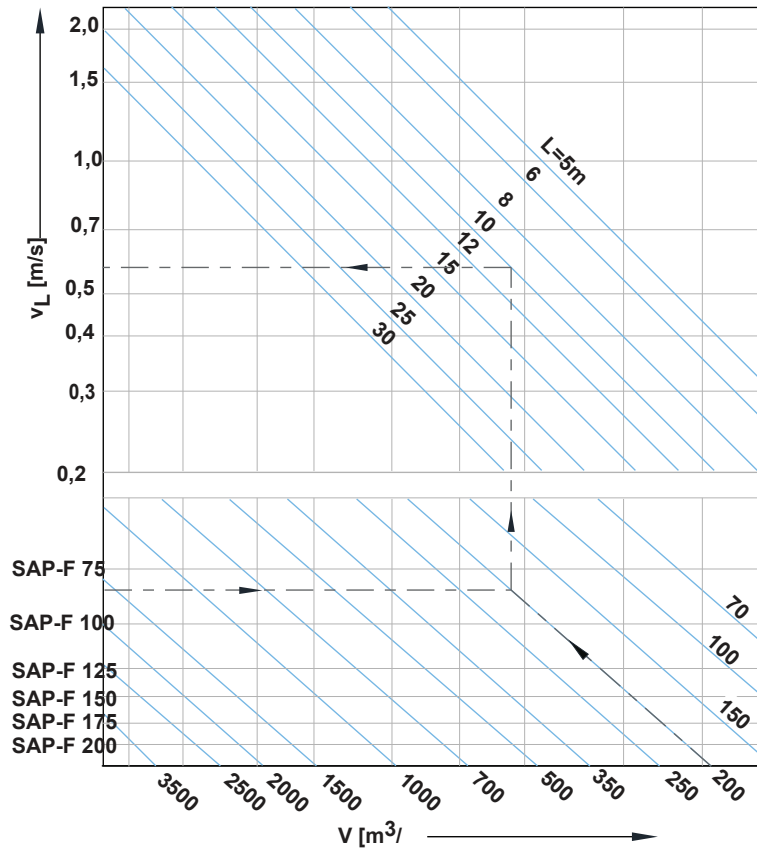


Warme lucht

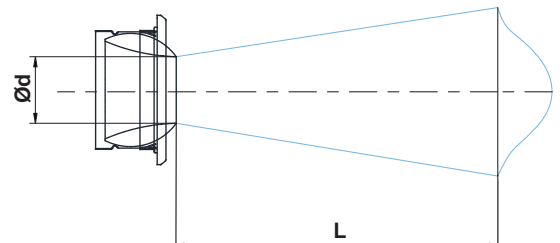
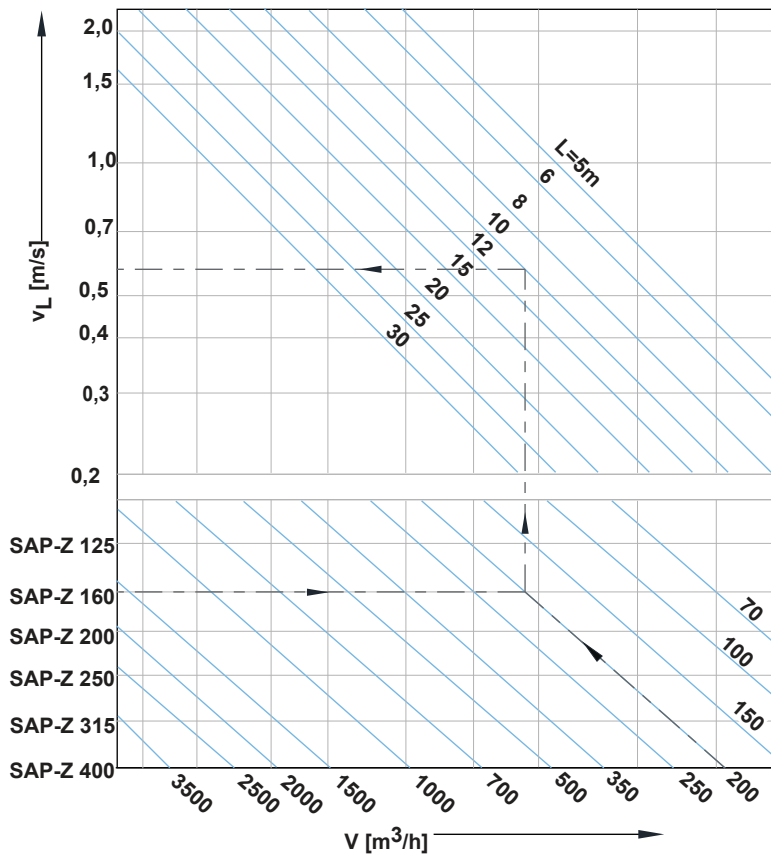


Selectietabel

Horizontaal isotherme lucht SAP-F

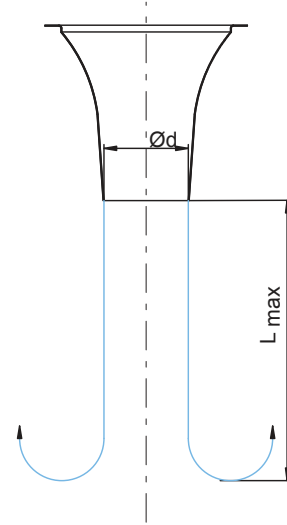
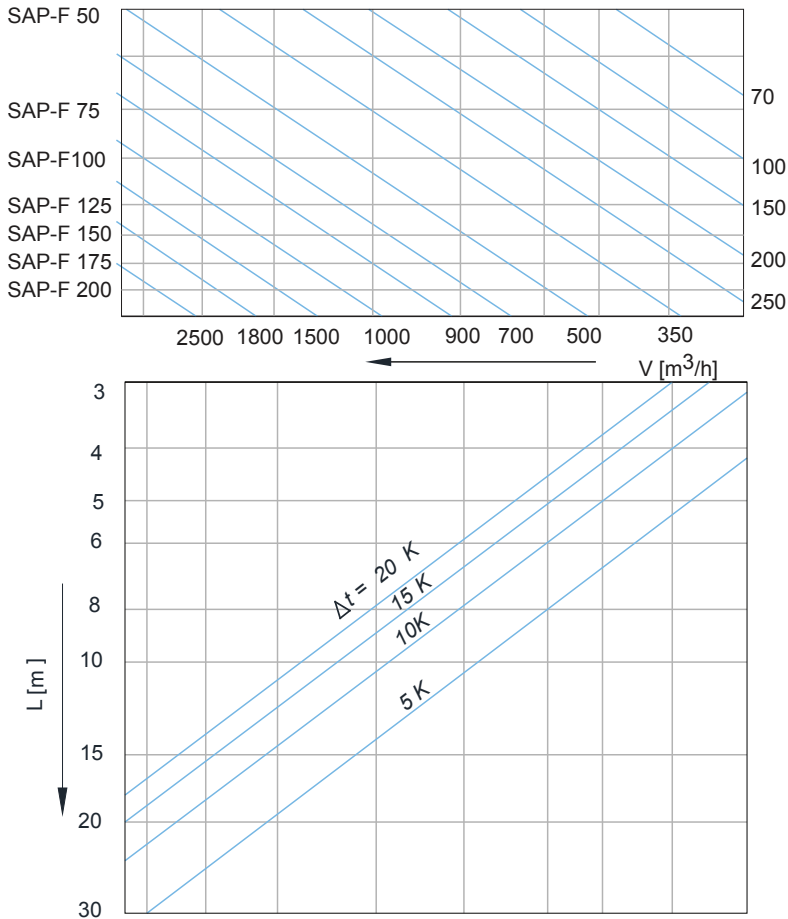


h) Horizontaal isotherme lucht SAP-Z

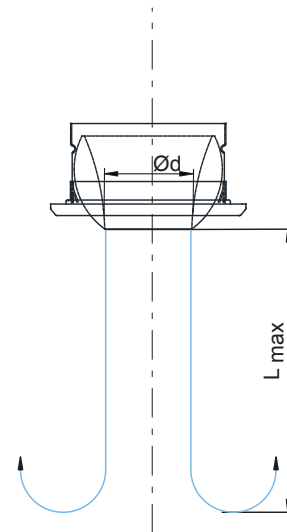
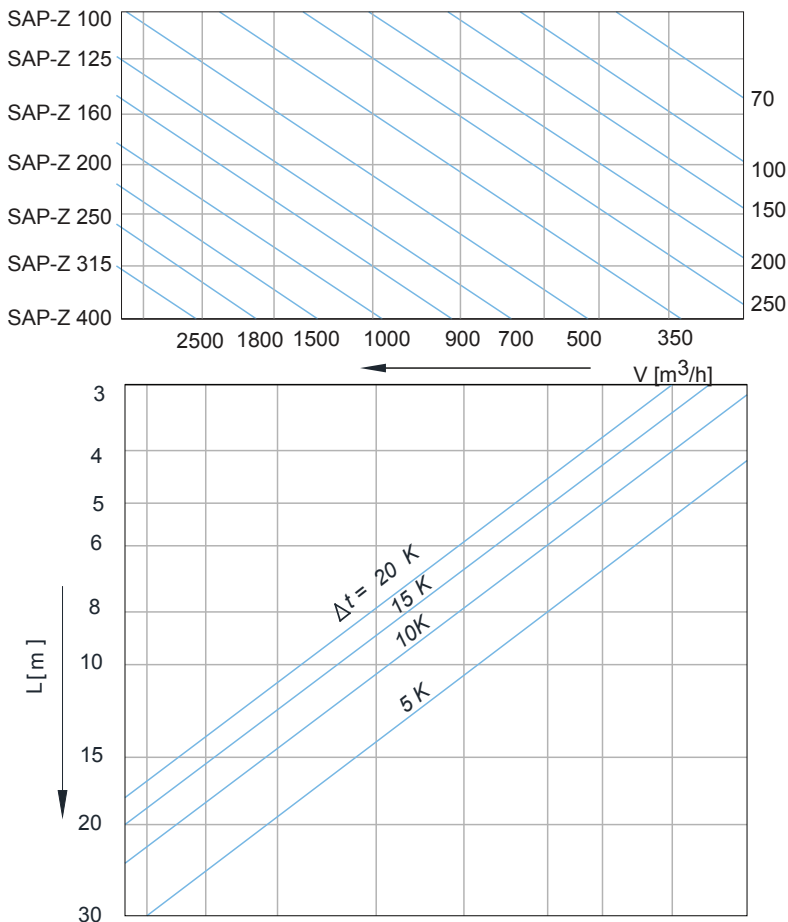


SAPF 50  
SAPZ 100

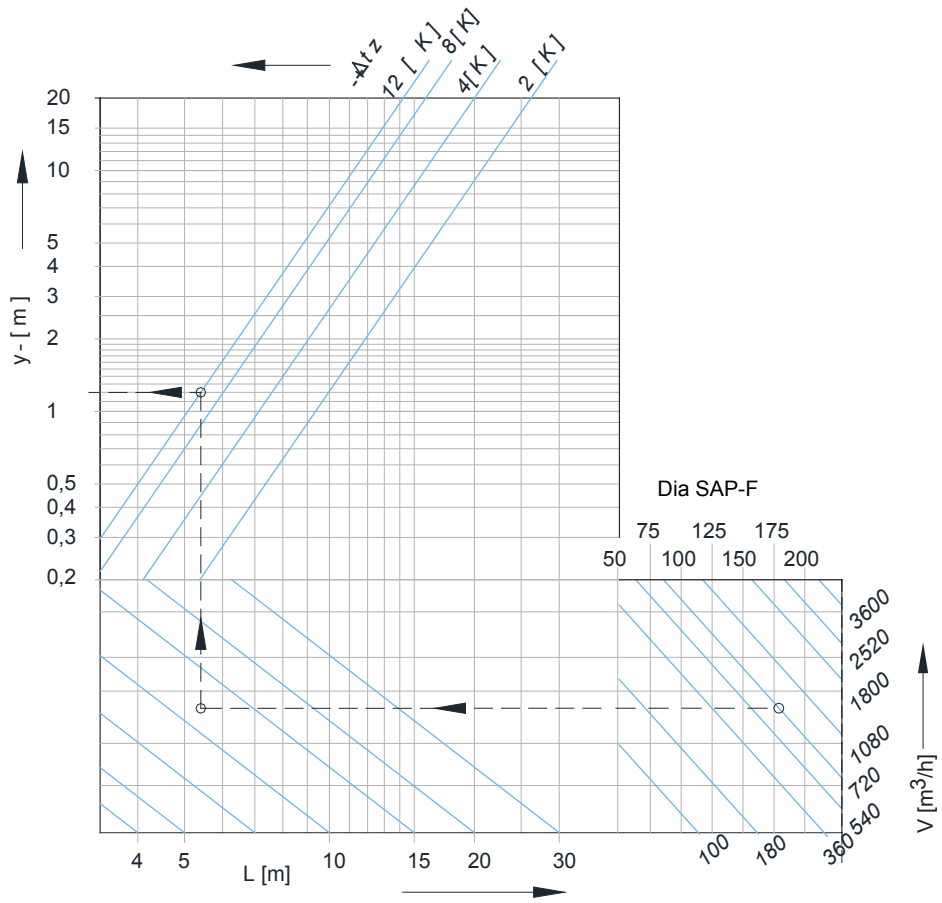
Verticaal warme lucht SAP-F



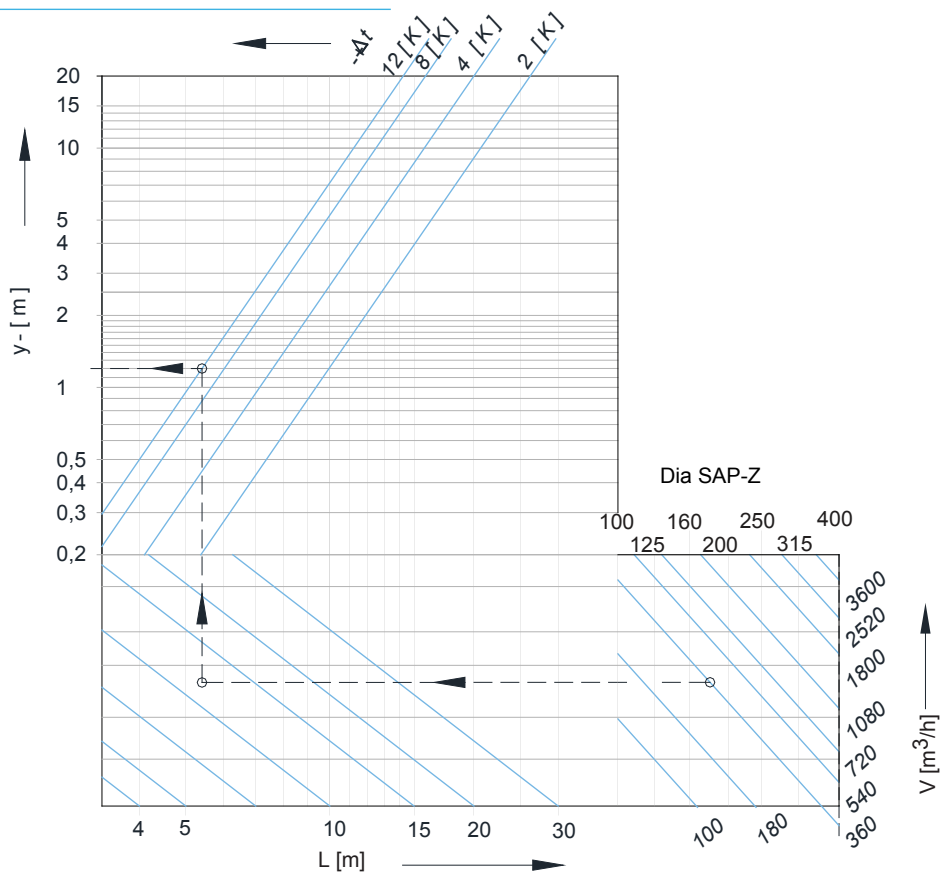
Verticaal warme lucht SAP-Z



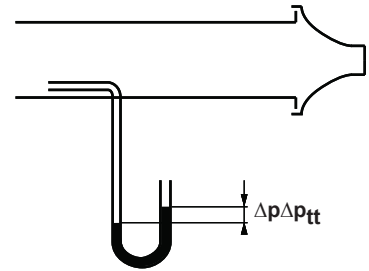
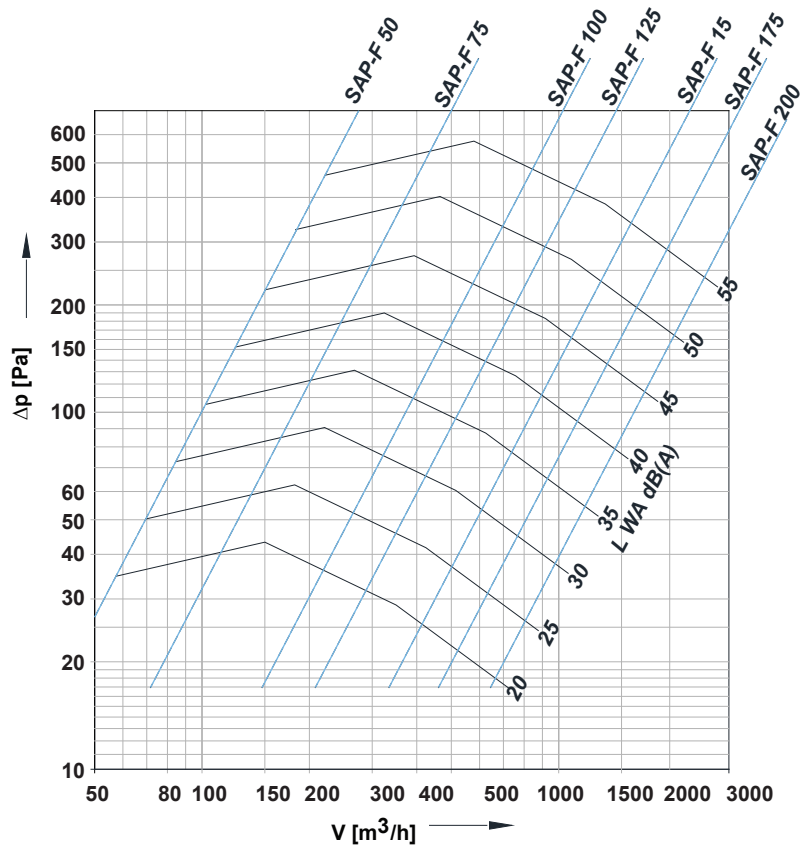
Horizontale niet isotherme breedtespreiding SAP-F



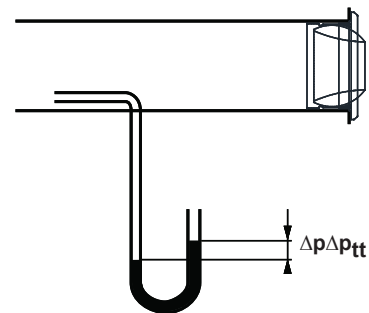
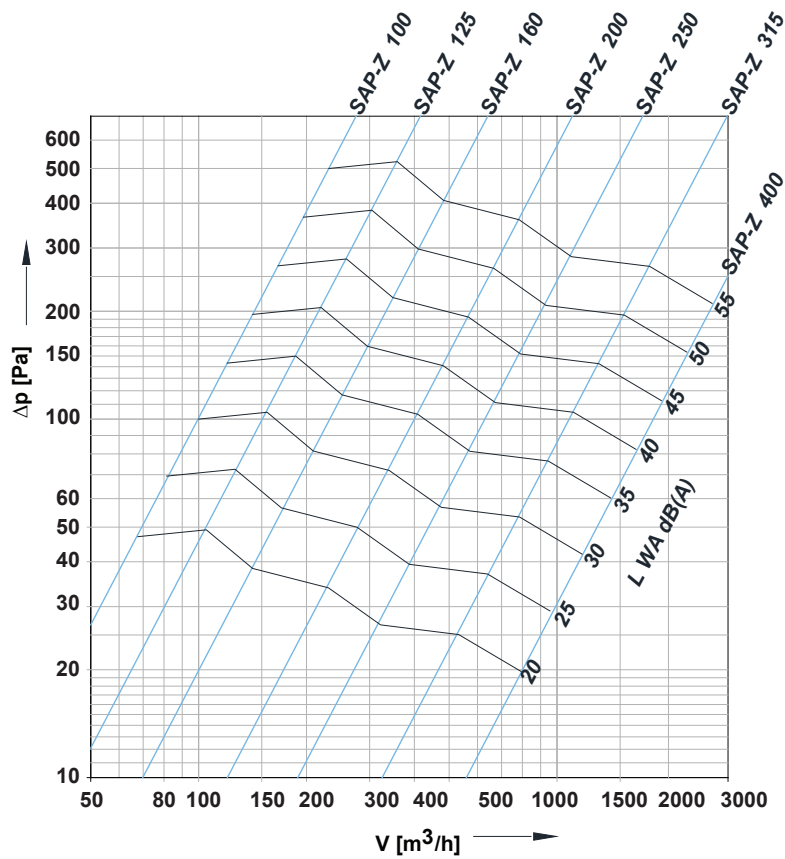
Horizontale niet isotherme breedtespreiding SAP-Z



Axiale installatie SAP-F

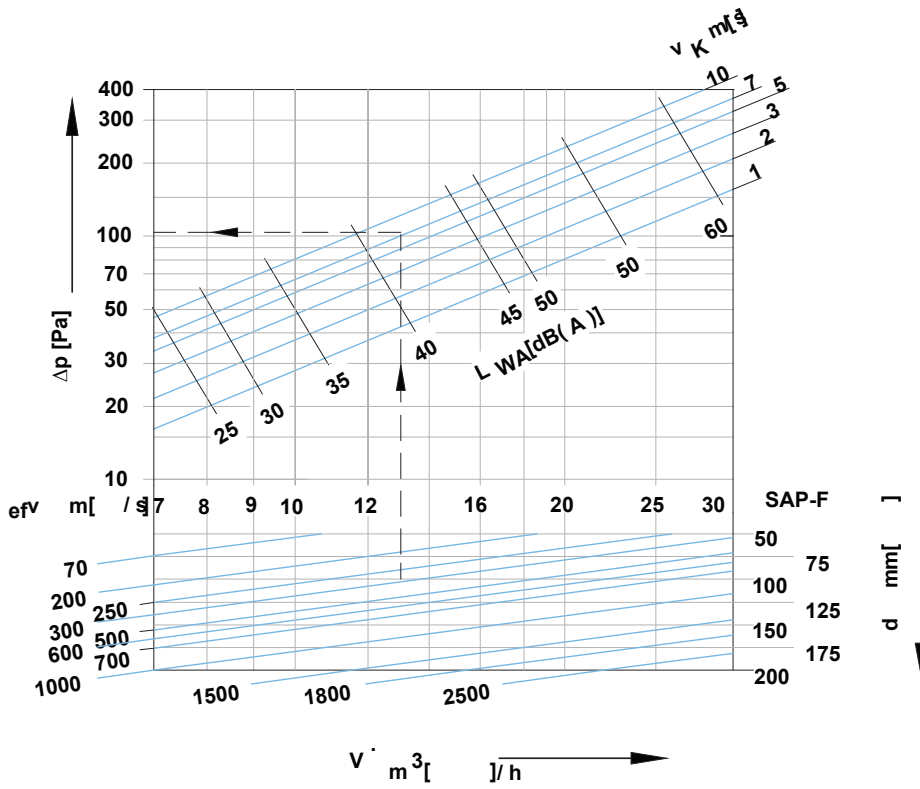


Axiale installatie SAP-Z

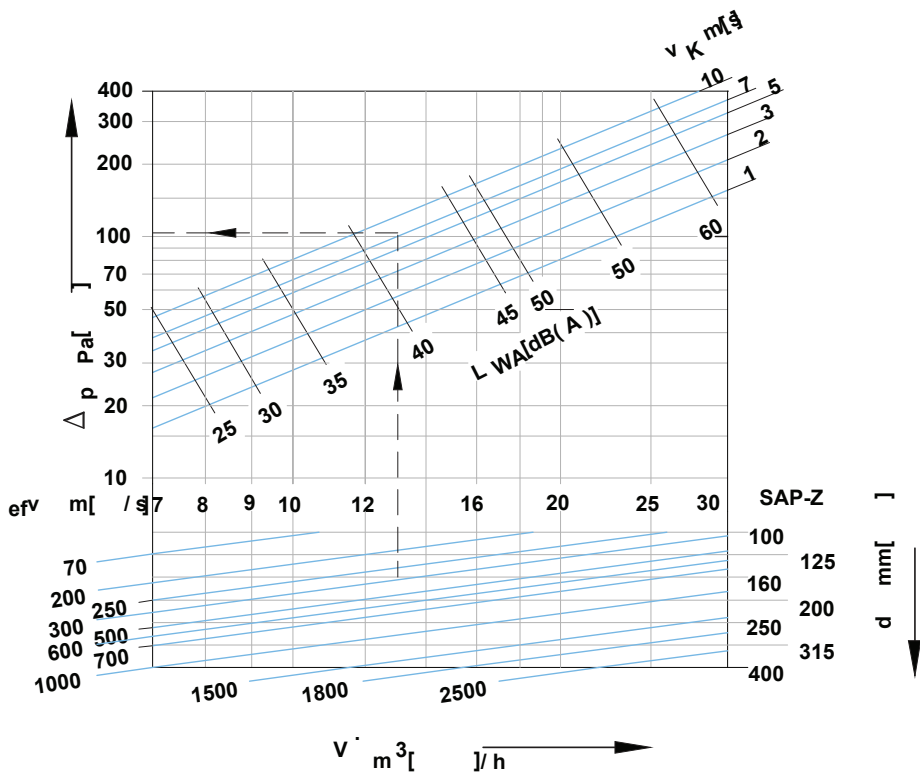




Meerdere nozzles in kanaal SAP-F



Meerdere nozzles in kanaal SAP-Z



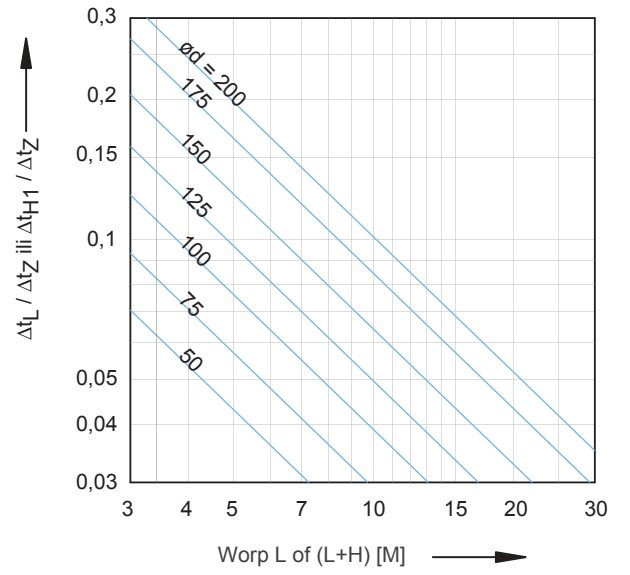
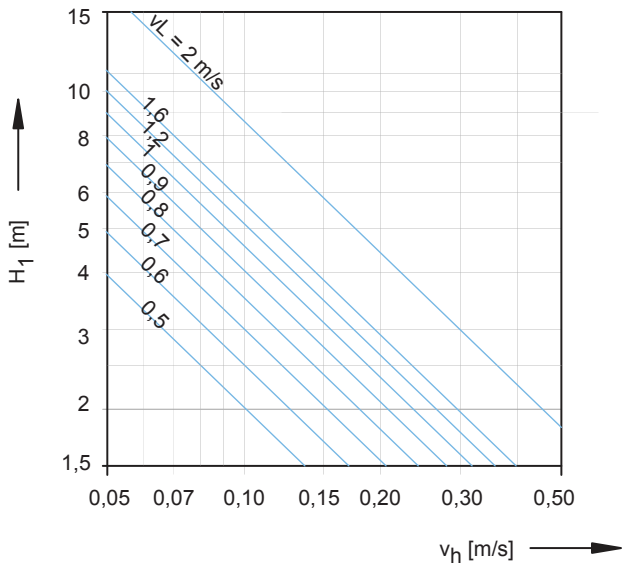
Correctie waarden L<sub>WA</sub> [dB(A)]

ød	Uitblaashoek	
	α = 0°	α = 30°
50	-6	-5
75	-3	-2
100	-2	0
125	1	2
150	3	4
175	4	6
200	5	7

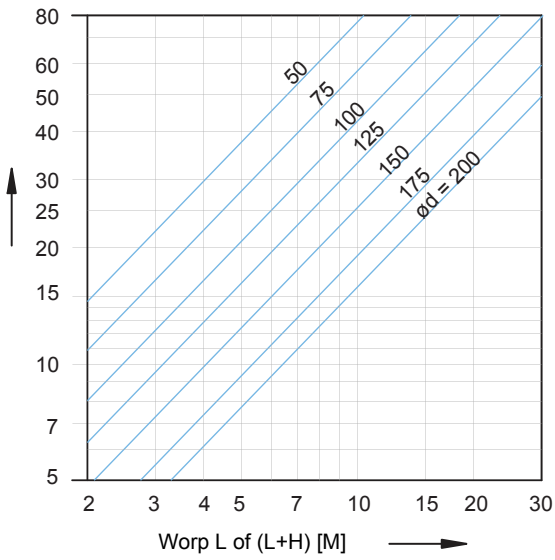


Bij een uitblaashoek van 30° moet het drukverlies vermenigvuldigd worden met factor 1,2

Kern snelheid



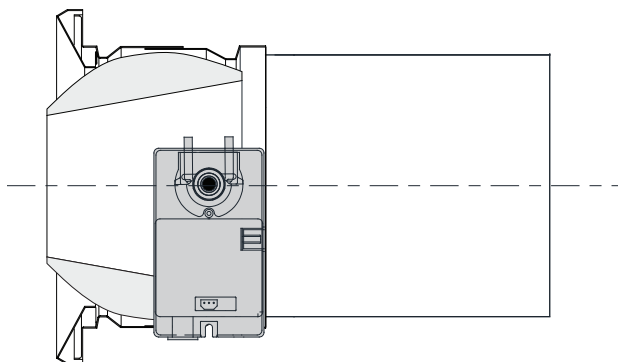
Inductie



## MOTORBEDIENING

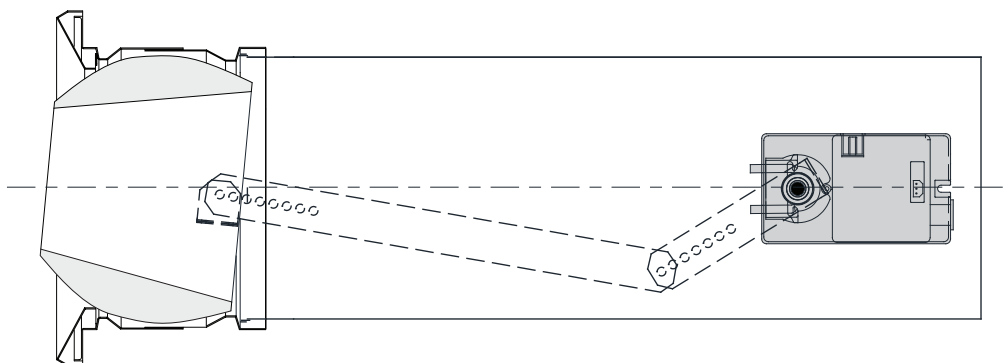
### Standaard motorbediening

---



### Verplaatste motorbediening voor installatie in wand

---



### Bestelvoorbeeld

---

Jet nozzle                      SAP -    Z - 400 -    M230 - 1 - RAL..

Z - instelbaar

F - vast

(SAP-F - uitwendige diameter)  
(SAP-Z - inwendige diameter)

\* M230-OZ - motor, twee posities

\* M230-K - motor, 230V, modulerend

\* M24-OZ - motor, 24V, twee posities

\* M24-K - motor, 24V, modulerend

R - handmatige bediening

1 - standaard motorbediening 2

- verplaatste motorbediening

\* Diameter 100 en 125 kunnen alleen handmatig bediend worden



OC Waterloo  
Ondernemersweg 2  
7451 PK Holten

T 0548-374 375  
E [info@oc-waterloo.nl](mailto:info@oc-waterloo.nl)