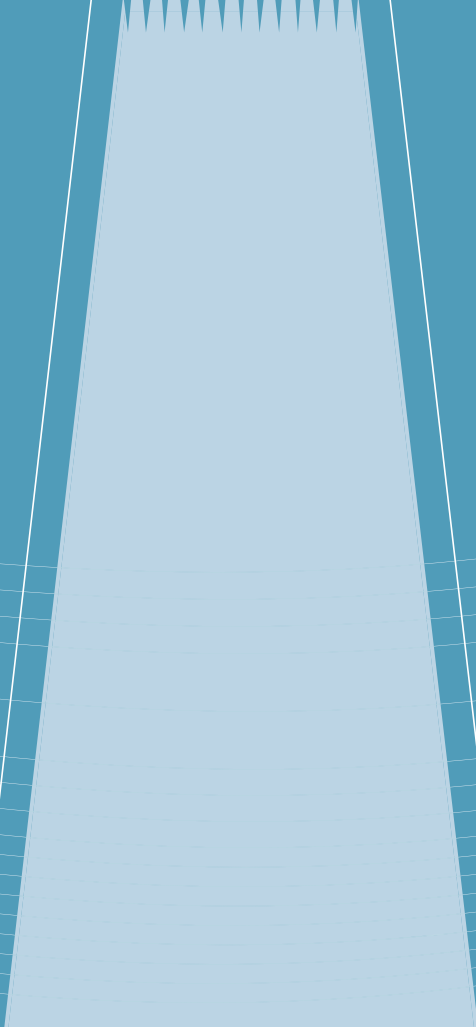
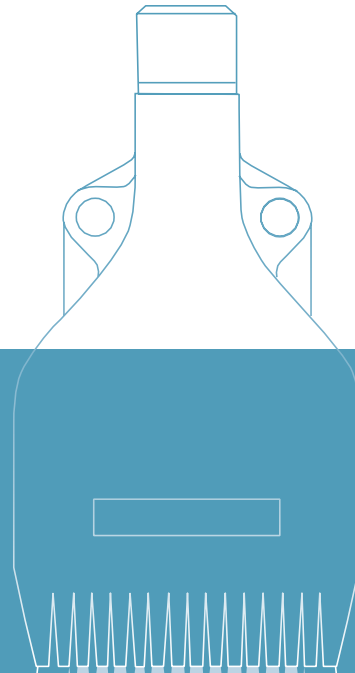
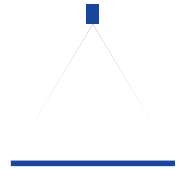


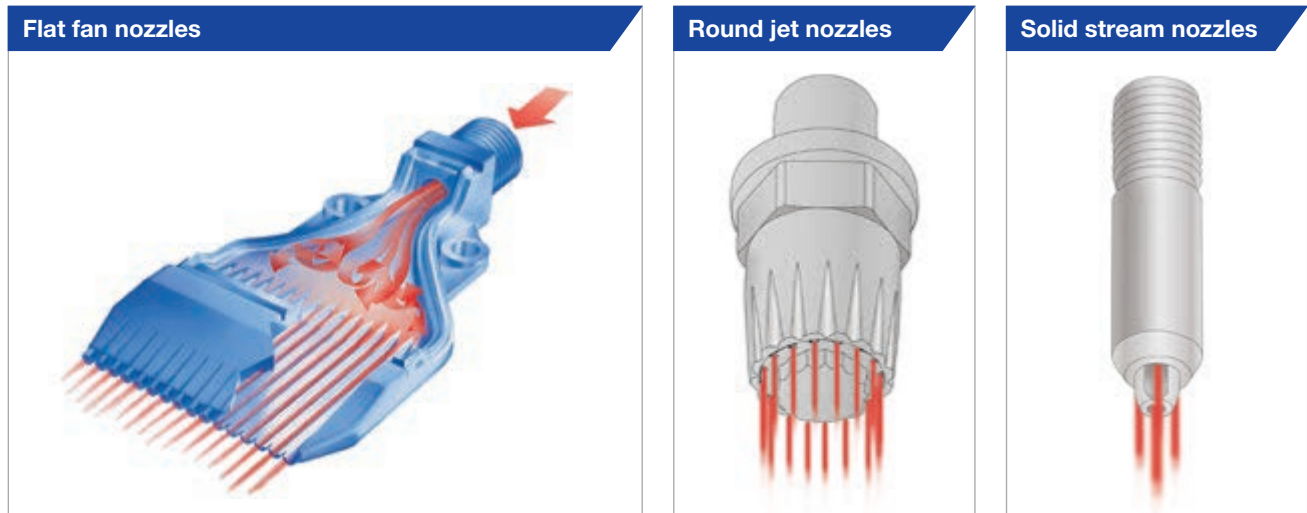
 AIR NOZZLES



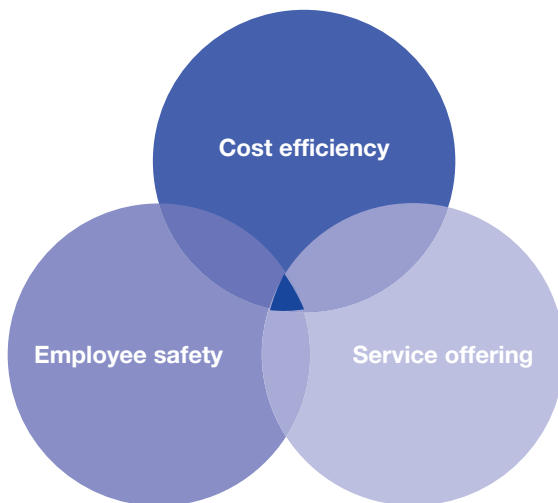
AIR NOZZLES GENERAL INFORMATION



Compressed air is an indispensable tool in many areas for drying, cooling, cleaning, conveying, blowing off and much more. Lechler air nozzles make all this possible – with the highest level of precision at extraordinarily favourable conditions.



The three advantages of Lechler air nozzles for you



Cost efficiency

Lechler nozzles make it possible to reduce compressed air consumption by up to 45% compared to open pipes. In view of increasing energy costs and the growing range of compressed air applications, it is not surprising that there are extremely high potential savings in this area. An advantage that will have direct positive impact on your business.

Employee safety

The unique design of our nozzles allows noise levels to be verifiably reduced by up to 25% compared to conventional solutions – thus also reducing noise-related stress for your employees. Noise levels have been confirmed to reduce concentration resulting in increased levels of stress. The use of low-noise nozzles has a positive effect on production quality.

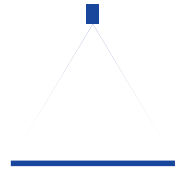
Service offering











A perfect solution must be optimally tailored to the local requirements. We will, therefore, gladly advise you in person about the use of air nozzles and introduce you to new possibilities. Contact us and let us come up with the best possible solution together for improved quality and optimized process reliability.

Good to know

Detailed information can be found in our brochure "Air nozzles" as well as at www.lechler.com/de-en/airnozzles.

AIR NOZZLES OVERVIEW OF SERIES













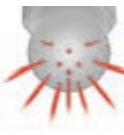
		Flat fan nozzles				
						
Series		600.130.56/S2	600.484.56	600.130.1Y	600.283.42	600.606.42
Information on page		164	165	166	167	167
Spray pattern		Multi-channel flat fan	Multi-channel flat fan	Multi-channel flat fan	Multi-channel flat fan	Multi-channel flat fan
						
Nozzle material	Plastic	●	●			
	Stainless steel			●		
	Brass					
	Zinc					
	Aluminum				●	●
Air consumption	At 2 bar	16 m ³ /h	8 m ³ /h	12 m ³ /h	18 m ³ /h	12 m ³ /h
Nozzle connection		1/4 BSPP 1/4 NPT	1/4 BSPP 1/4 NPT M12 x 1.25 Quick-release coupling size 5	1/4 BSPP 1/4 NPT	1/4 BSPP 1/4 NPT	1/4 BSPP 1/4 NPT
Maximum pressure		6 bar	6 bar	10 bar	10 bar	10 bar
Maximum temperature		PP natural: 60 °C POM: 50 °C	50 °C	550 °C	200 °C	200 °C
Noise level	At 2 bar	70 dB(A)	65 dB(A)	70 dB(A)	76 dB(A)	68.5 dB(A)
Blowing force	At 2 bar	2 N	0.8 N	2 N	2.4 N	1.4 N



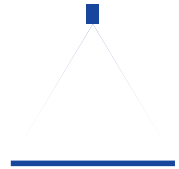


Flat fan nozzles

		Flat fan nozzles			
					
Series		600.493.1Y	600.562.1Y	679	686
Information on page		168	169	170	172
Spray pattern					
Nozzle material	Plastic				
	Stainless steel	•	•	•	•
	Brass			•	•
	Zinc				
	Aluminum				
Air consumption	At 2 bar	30 m ³ /h	9 m ³ /h	3–31 m ³ /h	2–16 m ³ /h
Nozzle connection		1/4 BSPP 1/4 NPT	1/8 BSPP 1/8 NPT	Assembly with retaining nut 3/8 BSPP	1/8 BSPT
Maximum pressure		30 bar	30 bar	10 bar	30 bar
Maximum temperature		550 °C	550 °C	550 °C (stainless steel) 240 °C (brass)	550 °C (stainless steel) 240 °C (brass)
Noise level	At 2 bar	78 dB(A)	71 dB(A)	67–92 dB(A)	73–84 dB(A)
Blowing force	At 2 bar	4.2 N	1.2 N		

Round jet nozzles					Solid stream nozzle/Multiple solid stream nozzle	
						
600.326.5K	600.725.5K	600.326.3W	600.388.30	600.625.1Y	544	540/541
174	174	175	176	177	178	179
Multi-channel round jet	Multi-channel round jet	Multi-channel round jet	Multi-channel round jet	Multi-channel round jet	Solid stream	Multiple solid stream
						
•	•		•			
			•	•	•	•
		•				
15 m ³ /h	32 m ³ /h	15 m ³ /h	8 m ³ /h	2–4 m ³ /h	1-16 m ³ /h	34-251 m ³ /h
1/8 BSPP 1/4 BSPP 1/8 NPT 1/4 NPT M12 x 1.25	1/4 BSPP 1/4 NPT	1/4 BSPP 1/4 NPT M12 x 1.25	1/8 BSPP 1/8 NPT M12 x 1.25	M4 x 0.5 M5 x 0.5	1/8 BSPT 1/4 BSPT	1/2 BSPP
6 bar	6 bar	10 bar	10 bar	5 bar	30 bar	10 bar
50 °C	50 °C	90 °C	50 °C	550 °C	550 °C	550 °C
74 dB(A)	96 dB(A)	79 dB(A)	77 dB(A)	63–70 dB(A)	65–90 dB(A)	
2.2 N	3.9 N	2.1 N	1.1 N	0.4–0.7 N	0.25–2.9 N	

Multi-channel flat fan nozzles for air “Whisperblast”, plastic version Series 600.130.56/S2



Features:

- Laminar, powerful air stream
- Low noise level
(also at higher levels of pressure)

Applications:

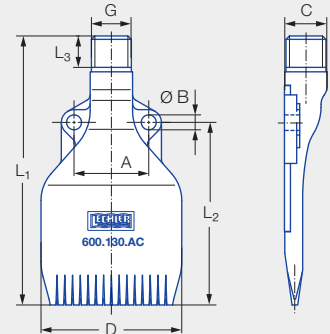
- Blowing off and out
- Cleaning
- Drying
- Cooling
- Transporting



Series 600.130.56/S2

OSHA^{®1}

FDA



¹ Meets OSHA specifications in terms of noise level.

Cost savings and noise reduction



Cost savings

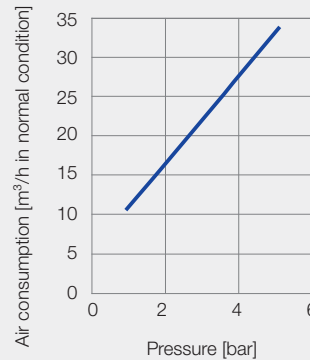
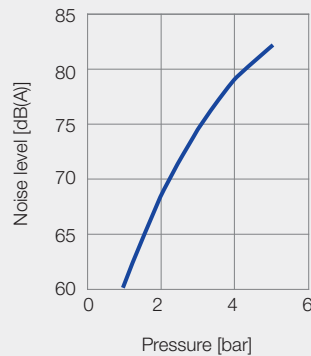
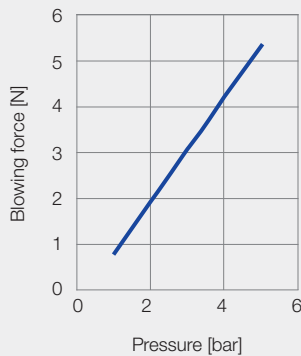
21%



Noise reduction

24%

Technical data



Code	G	Dimensions [mm]							Weight [g]
		A	C	D	L ₁	L ₂	L ₃	ØB	
AC	1/4 BSPP	25.0	14.2	47.0	90.0	61.0	10.5	5.0	20.0
BC	1/4 NPT	25.0	14.2	47.0	90.0	61.0	10.5	5.0	20.0

Ordering no.

Type	Mat. no.		Code	
	56	S2	1/4 BSPP	1/4 NPT
	POM	PP natural		
600.130	●	●	AC	BC

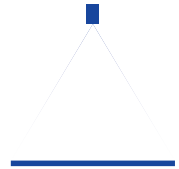
Ordering Type + Material no. + Code = Ordering no.
example: 600.130 + 56 + AC = 600.130.56.AC



Assembly accessories can be found in Chapter 9 “Accessories”.



Multi-channel flat fan nozzles for air "Whisperblast", plastic version Series 600.484.56



Features:

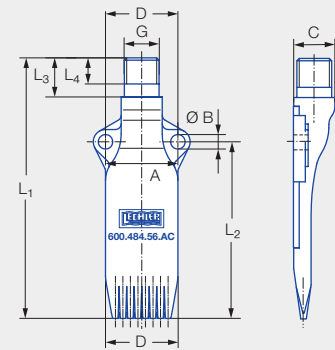
- Compact, powerful air stream
- Low noise level (also at higher levels of pressure)
- Narrow design

Applications:

- Blowing off and out
- Cleaning
- Drying
- Cooling
- Transporting



Series 600.484.56



¹ Meets OSHA specifications in terms of noise level.

Cost savings and noise reduction



Cost savings

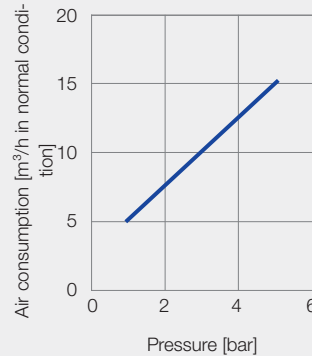
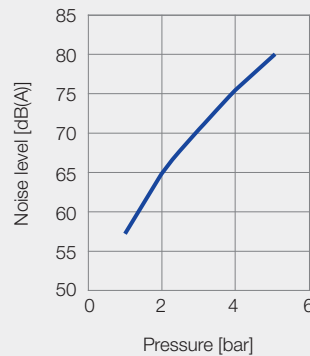
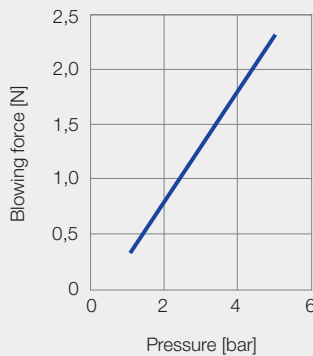
22%



Noise reduction

22%

Technical data



Code	G	Dimensions [mm]								Weight [g]
		A	C	D	L ₁	L ₂	L ₃	L ₄	Ø B	
AC	1/4 BSPP	25.0	14.2	25.0	90.0	61.0	13.5	9.0	5.0	16.0
BC	1/4 NPT	25.0	14.2	25.0	90.0	61.0	13.5	9.0	5.0	16.0
HG	M12 x 1.25	25.0	14.2	25.0	90.0	61.0	13.5	9.0	5.0	16.0
00	Quick-release coupling size 5	25.0	14.2	25.0	90.0	61.0	13.5	-	5.0	16.0

Ordering no.					
Type	Mat. no.	Code			
	56	1/4 BSPP	1/4 NPT	M12 x 1.25	Quick-release coupling size 5
POM					
600.484	●	AC	BC	HG	00

Ordering Type + Material no. + Code = Ordering no.
example: 600.484 + 56 + AC = 600.484.56.AC

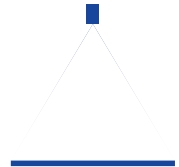


Assembly accessories can be found in Chapter 9 "Accessories".





Multi-channel flat fan nozzles for air “Whisperblast”, stainless steel version Series 600.130.1Y

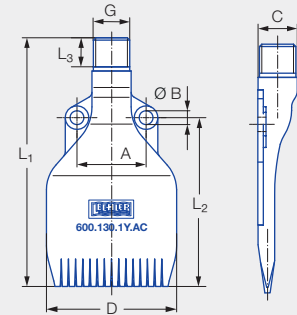


Features:

- Laminar, powerful air stream
- Low noise level (also at higher levels of pressure)
- For the highest demands

Applications:

- Blowing off and out
- Cleaning
- Drying
- Cooling
- Transporting



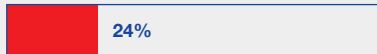
Series 600.130.1Y

¹ Meets OSHA specifications in terms of noise level.

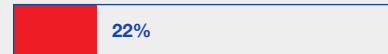
Cost savings and noise reduction



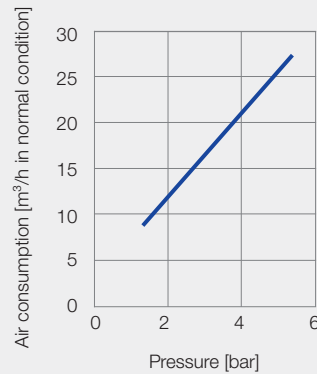
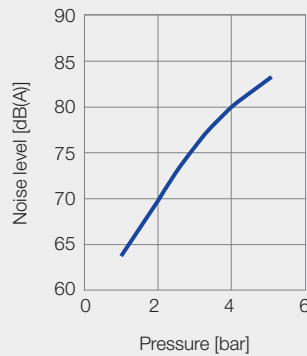
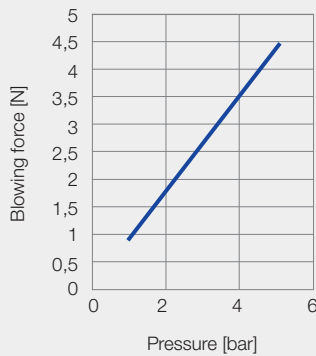
Cost savings



Noise reduction



Technical data



Code	G	Dimensions [mm]							Weight [g]
		A	C	D	L ₁	L ₂	L ₃	Ø B	
AC	1/4 BSPP	22.0	13.0	42.0	81.0	53.0	10.5	4.0	100.0
BC	1/4 NPT	22.0	13.0	42.0	81.0	53.0	10.5	4.0	100.0

Ordering no.

Type	Mat. no.	Code	
	1Y	1/4 BSPP	1/4 NPT
	Stainless steel 316L		
600.130	●	AC	BC

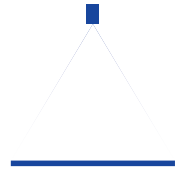
Ordering Type + Material no. + Code = Ordering no.
example: 600.130 + 1Y + AC = 600.130.1Y.AC



Assembly accessories can be found in Chapter 9 “Accessories”.



Multi-channel flat fan nozzles for air “Whisperblast”, metal version Series 600.283.42/600.606.42



Features:

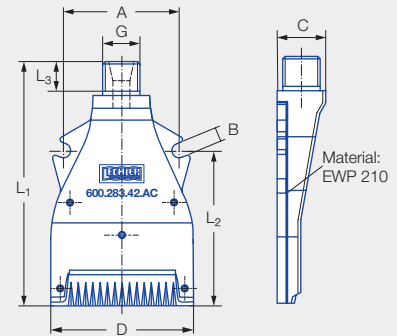
- Laminar, powerful air stream
- High blowing force
- For high thermal and mechanical requirements

Applications:

- Blowing off and out
- Cleaning
- Drying
- Cooling
- Transporting



OSHA^{®1}



Series
600.283.42/600.606.42

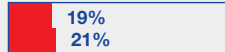
¹ Meets OSHA specifications in terms of noise level.

Cost savings and noise reduction

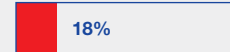
Series 600.283/
Series 600.606



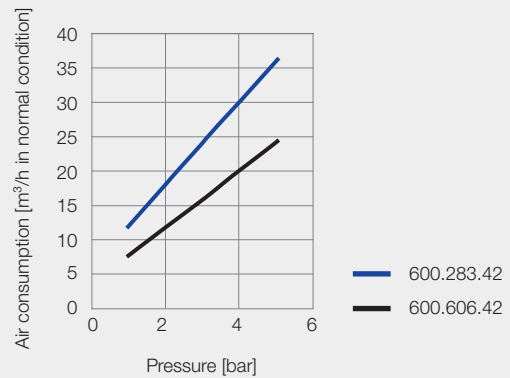
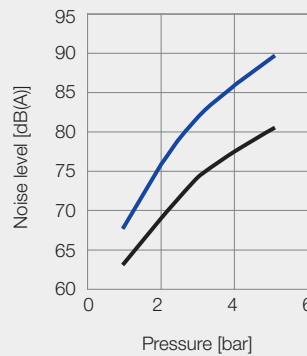
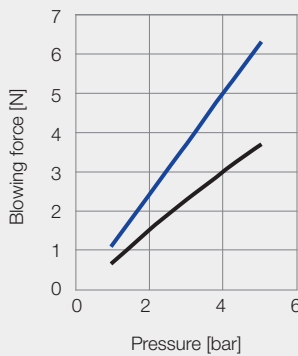
Cost savings



Noise reduction



Technical data



Code	G	Dimensions [mm]							Weight [g]
		A	B	C	D	L ₁	L ₂	L ₃	
AC	1/4 BSPP	41.0	5.1	17.0	51.0	86.5	55.0	10.5	60.0
BC	1/4 NPT	41.0	5.1	17.0	51.0	86.5	55.0	10.2	60.0

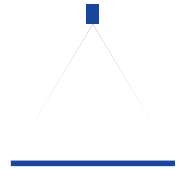
Ordering no.			
Type	Mat. no.	Code	
		42	1/4 BSPP
	Aluminum		
600.283	●	AC	BC
600.606	●	AC	

Ordering Type + Material no. + Code = Ordering no.
example: 600.283 + 42 + AC = 600.283.42.AC

Assembly accessories can be found in Chapter 9 “Accessories”.



Multi-channel flat fan nozzles for air "Whisperblast", stainless steel version Series 600.493.1Y

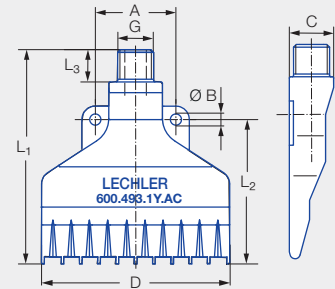


Features:

- Extremely wide, powerful air stream
- For the highest thermal requirements
- Protecting tips prevent air penetrating your skin

Applications:

- Blowing off and out
- Cleaning
- Drying

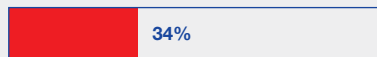


Series 600.493.1Y

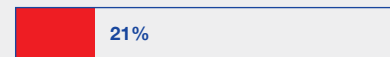
Cost savings and noise reduction



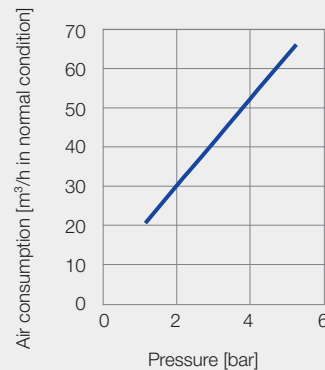
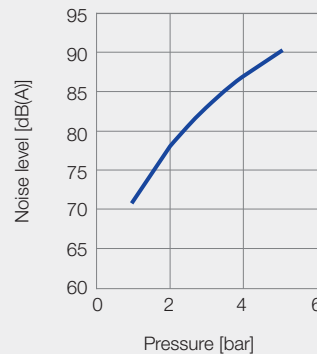
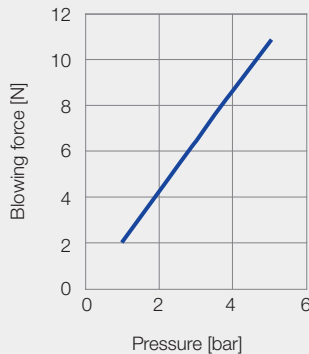
Cost savings



Noise reduction



Technical data



Code	G	Dimensions [mm]							Weight [g]
		A	C	D	L ₁	L ₂	L ₃	ØB	
AC	1/4 BSPP	30.0	16.5	70.0	79.7	53.7	12.0	4.2	130.0
BC	1/4 NPT	30.0	16.5	70.0	79.7	53.7	12.0	4.2	130.0

Ordering no.

Type	Mat. no.	Code	
	1Y	1/4 BSPP	1/4 NPT
	Stainless steel 316L		
600.493	●	AC	BC

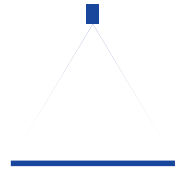
Ordering Type + Material no. + Code = Ordering no.
example: 600.493 + 1Y + AC = 600.493.1Y.AC



Assembly accessories can be found in Chapter 9 "Accessories".



Multi-channel flat fan nozzles for air "Whisperblast", stainless steel version Series 600.562.1Y



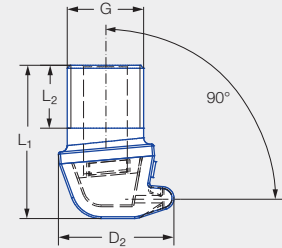
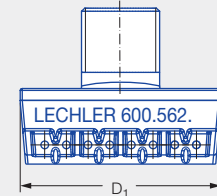
Features:

- Compact, powerful air stream
- Angled design for applications with restricted installation conditions
- Resistant to higher pressures and temperatures
- Protecting tips prevent air penetrating your skin



OSHA®

FDA



Series 600.562.1Y

Applications:

- Blowing off and out
- Cleaning
- Drying

Cost savings and noise reduction



Cost savings

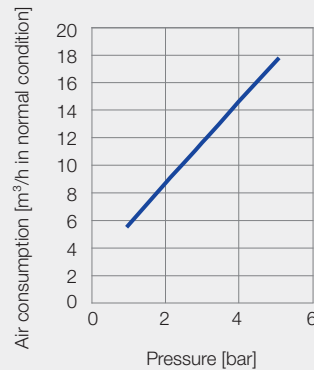
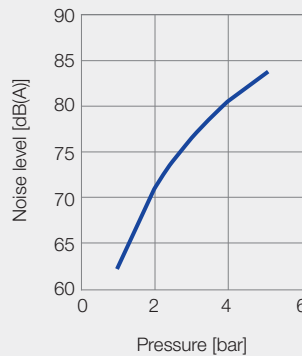
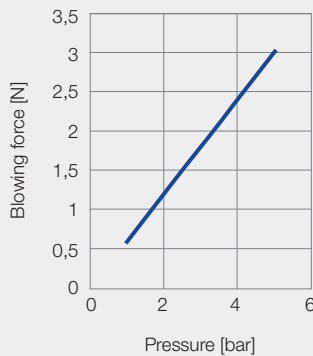
8%



Noise reduction

14%

Technical data



Code	G	Dimensions [mm]				Weight [g]
		D ₁	D ₂	L ₁	L ₂	
10	1/8 BSPP	25.0	14.7	19.5	8.0	17.0
20	1/8 NPT	25.0	14.7	19.5	6.7	17.0

Ordering no.

Type	Mat. no.	Code	
	1Y	1/8 BSPP	1/8 NPT
	Stainless steel 316L		
600.562	●	10	20

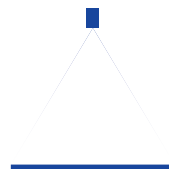
Ordering Type + Material no. + Code = Ordering no.
example: 600.562 + 1Y + 10 = 600.562.1Y.10



Assembly accessories can be found in Chapter 9 "Accessories".



Flat fan nozzles for air or saturated steam Series 679



Features:

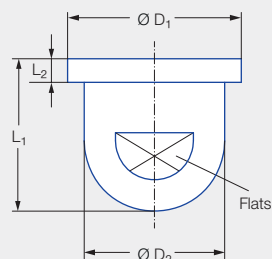
- Wide, powerful air stream
- Assembly with retaining nut
- Easy nozzle changing
- Simple jet alignment

Applications:

- Blowing off liquids
- Cooling
- Heating
- Drying



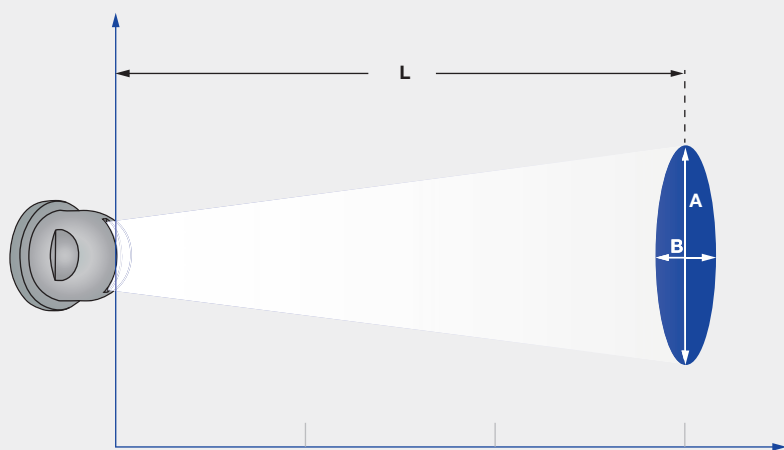
OSHA¹



Series 679

¹ Meets OSHA specifications in terms of noise level.

² Only applies to the stainless variant.



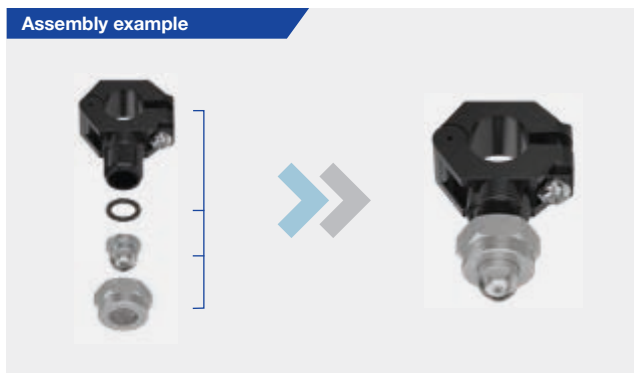
Jet pattern of series 679

Pressure		1 bar	3 bar	5 bar
679.037	Length L [mm]	50	100	150
	A [mm]	110	260	380
	B [mm]	25	35	45
679.117	Length L [mm]	50	125	150
	A [mm]	100	250	310
	B [mm]	25	30	35
679.255	Length L [mm]	375	500	500
	A [mm]	90	190	280
	B [mm]	90	90	90


Pressure		1 bar	3 bar	5 bar
679.415	Length L [mm]	675	900	900
	A [mm]	160	300	460
	B [mm]	215	215	215
679.495	Length L [mm]	900	900	900
	A [mm]	200	425	510
	B [mm]	230	230	230

Code	Dimensions [mm]					Weight [g] (brass)
	L ₁	L ₂	Ø D ₁	Ø D ₂	Flats	
Assembly with retaining nut 3/8 BSPP	13.0	2.0	14.8	12.0	10	8.0

Spray angle	Ordering no.			Equivalent bore diameter B [mm]	V _n air [m ³ /h]				M saturated steam [kg/h]			
	Type	Mat. no.			p [bar]				p [bar]			
		17	30									
		Stainless steel 316Ti	Brass		0.5	2.0	5.0	10.0	0.5	2.0	5.0	10.0
Approx. 70°–90°	679.037		●	1.2	1.5	3.0	6.0	11.0	1.2	2.3	4.6	8.3
	679.085	●	●	1.3	2.0	4.0	8.0	14.7	1.6	3.1	6.1	11.1
	679.117	●	●	1.5	2.1	4.2	8.4	15.4	1.7	3.3	6.5	11.7
	679.165	●	●	1.8	2.6	5.1	10.3	18.8	2.0	4.1	8.0	14.3
	679.255	●	●	2.1	3.6	7.3	14.5	26.6	2.8	5.7	11.2	20.2
	679.365	●	●	2.8	6.3	12.7	25.4	46.5	5.0	10.0	19.6	35.3
	679.415	●	●	3.6	10.2	20.3	40.7	74.6	8.0	16.0	31.4	56.7
679.495	●	●	4.3	15.6	31.1	62.2	114.0	12.4	24.8	48.5	87.6	

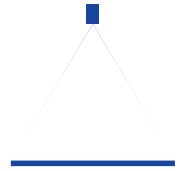


Ordering Type + Material no. = Ordering no.
 example: 679.037 + 30 = 679.037.30

 Assembly accessories can be found in Chapter 9 "Accessories".

➤ Flat fan tongue-type nozzles for air or saturated steam

Series 686

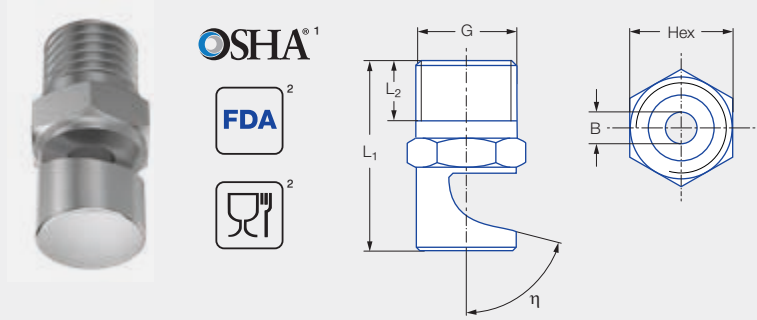


Features:

- Wide, powerful air stream
- Compact design
- Large spray width, also for short blowing distances
- Brass and stainless steel versions available for high ambient temperatures

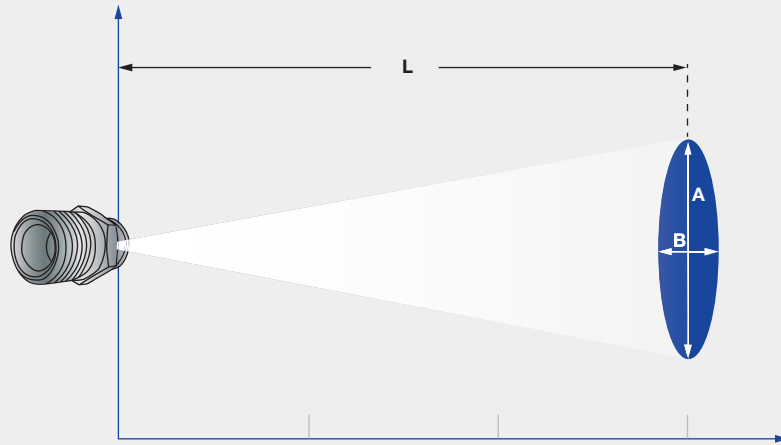
Applications:

- Blowing off liquids
- Cooling
- Heating
- Drying



Series 686

- ¹ Meets OSHA specifications in terms of noise level.
² Only applies to the stainless variant.



Jet pattern of series 686

Pressure		1 bar	3 bar	5 bar
686.408	Length L [mm]	40	80	125
	A [mm]	35	50	60
	B [mm]	15	40	50
686.528	Length L [mm]	60	100	150
	A [mm]	75	140	210
	B [mm]	20	40	50
686.608	Length L [mm]	90	175	250
	A [mm]	145	230	350
	B [mm]	25	45	55

Pressure		1 bar	3 bar	5 bar
686.688	Length L [mm]	150	400	525
	A [mm]	230	560	740
	B [mm]	40	80	100
686.728	Length L [mm]	180	230	375
	A [mm]	170	360	530
	B [mm]	50	50	70

G	Dimensions [mm]			Weight [g] (brass)
	L ₁	L ₂	Hex	
1/8 BSPT	23.0	6.5	11	13.0

Spray angle	η	Ordering no.				Bore diameter B [mm]	\dot{V}_n air [m³/h]				\dot{M} saturated steam [kg/h]			
		Type	Mat. no.		Code		p [bar]				p [bar]			
			16	30										
			Stainless steel 303	Brass			1/8 BSPT	1.0	2.0	5.0	10.0	0.5	2.0	5.0
Approx. 27°–47°	75°	686.408	●	●	CA	1.00	1.07	1.60	3.20	5.86	0.88	1.31	2.57	4.64
	75°	686.488	●	●	CA	1.30	1.76	2.64	5.29	9.69	1.46	2.17	4.25	7.67
Approx. 70°	75°	686.528	●	●	CA	1.50	2.2	3.31	6.61	12.13	1.83	2.71	5.31	9.59
	75°	686.568	●	●	CA	1.70	2.73	4.09	8.19	15.01	2.27	3.36	6.57	11.87
	75°	686.608	●	●	CA	1.90	3.35	5.02	10.04	18.40	2.78	4.11	8.06	14.55
	75°	686.688	●	●	CA	2.40	5.45	8.18	16.36	30.00	4.53	6.71	13.14	23.72
	75°	686.728	●	●	CA	2.70	6.88	10.33	20.65	37.86	5.71	8.46	16.58	29.94
	75°	686.808	●	●	CA	3.40	10.89	16.33	32.66	59.87	9.04	13.28	26.22	47.35

Ordering Type + Material no. + Code = Ordering no.
 example: 686.408 + 16 + CA = 686.408.16.CA



Assembly accessories can be found in Chapter 9 "Accessories".

Multi-channel round jet nozzles for air, plastic version

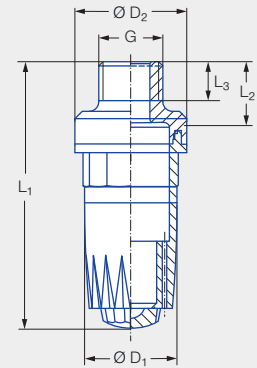
Series 600.326.5K/600.725.5K

Features:

- Powerful, circular air stream
- Low noise level
- Reduced air consumption

Applications:

- Targeted blowing off and blowing out (e.g. in connection with a compressed air gun)



Series
600.326.5K/600.725.5K

Cost savings and noise reduction



Cost savings

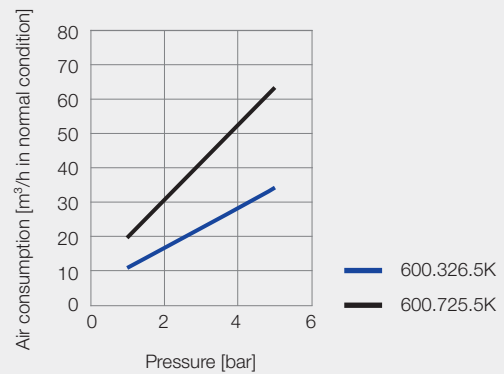
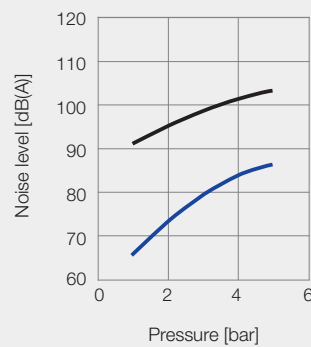
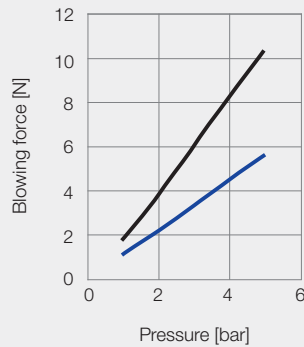
9%



Noise reduction

17%

Technical data



Code	G	Dimensions [mm]					Weight [g]
		L ₁	L ₂	L ₃	Ø D ₁	Ø D ₂	
AA	1/8 BSPP	54.0	9.5	6.2	19.0	23.0	7.0
AC	1/4 BSPP	55.0	10.2	8.0	19.0	23.0	7.0
BA	1/8 NPT	54.0	9.5	6.7	19.0	23.0	7.0
BC	1/4 NPT	55.0	10.2	9.7	19.0	23.0	7.0
HG	M12 x 1.25	55.0	10.2	8.0	19.0	23.0	7.0

Ordering no.

Type	Mat. no.	Code				
	ABS	1/8 BSPP	1/4 BSPP	1/8 NPT	1/4 NPT	M12 x 1.25
600.326.5K	●	AA	AC	BA	BC	HG
600.725.5K	●		AC		BC	

Ordering Type + Code = Ordering no.
example: 600.326.5K + AA = 600.326.5K.AA



Assembly accessories can be found in Chapter 9 "Accessories".

Multi-channel round jet nozzles for air, zinc version

Series 600.326.3W

Features:

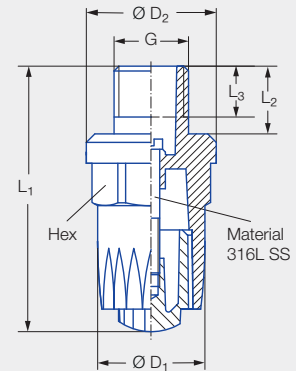
- Powerful, circular air stream
- Low noise level
- Reduced air consumption
- Zinc version: Use at high pressure and temperature levels

Applications:

- Targeted blowing off and blowing out (e.g. in connection with a compressed air gun)



Series 600.326.3W



Cost savings and noise reduction



Cost savings

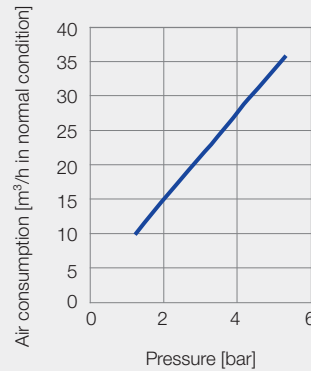
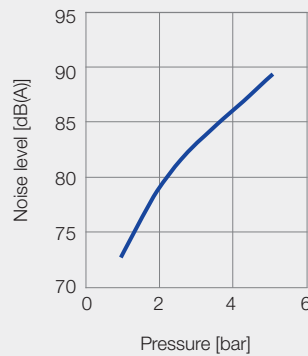
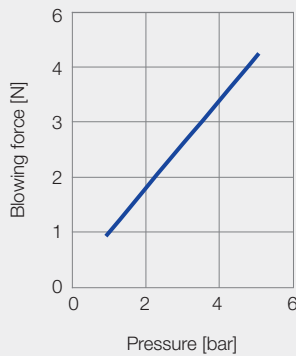
8%



Noise reduction

17%

Technical data



Code	G	Dimensions [mm]						Weight [g]
		L ₁	L ₂	L ₃	Ø D ₁	Ø D ₂	Hex	
AC	1/4 BSPP	47.0	12.0	9.0	19.0	23.0	19	50.0
BC	1/4 NPT	47.0	12.0	10.2	19.0	23.0	19	50.0
HG	M12 x 1.25	47.0	12.0	9.5	19.0	23.0	19	50.0

Ordering no.

Type	Mat. no.	Code		
	Zinc	1/4 BSPP	1/4 NPT	M12 x 1.25
600.326.3W	●	AC	BC	HG

Ordering Type + Code = Ordering no.
 example: 600.326.3W + AC = 600.326.3W.AC



Assembly accessories can be found in Chapter 9 "Accessories".

Mini multi-channel round jet nozzles for air

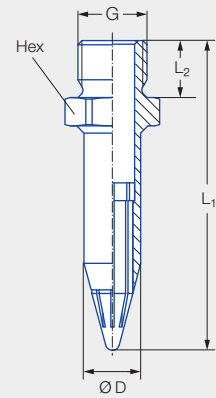
Series 600.388.30

Features:

- Powerful, punctiform air stream for large distances
- Compact design
- Low noise level
- Reduced air consumption
- Particularly suitable for difficult-to-reach locations

Applications:

- Targeted blowing off and blowing out (e.g. in connection with a compressed air gun)

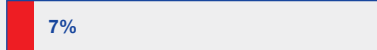


Series 600.388.30

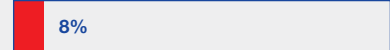
Cost savings and noise reduction



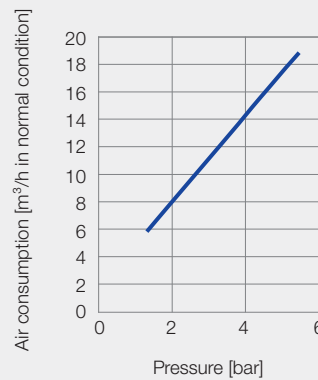
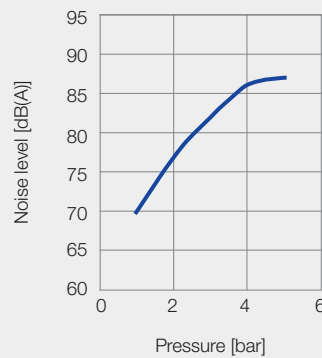
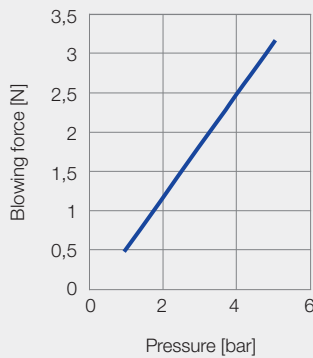
Cost savings



Noise reduction



Technical data



Code	G	Dimensions [mm]				Weight [g]
		L ₁	L ₂	Ø D	Hex	
AA	1/8 BSPP	43.5	8.0	8.0	12	12.0
BA	1/8 NPT	44.0	6.7	8.0	12	12.0
HG	M12 x 1.25	43.5	8.0	8.0	17	20.0

Ordering no.				
Type	Mat. no.	Code		
	Brass, POM	1/8 BSPP	1/8 NPT	M12 x 1.25
600.388.30	●	AA	BA	HG

Ordering Type + Code = Ordering no.
example: 600.388.30 + AA = 600.388.30.AA

Assembly accessories can be found in Chapter 9 "Accessories".

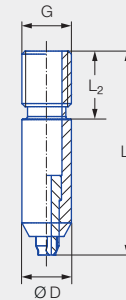


Micro multi-channel round jet nozzles for air

Series 600.625.1Y

Features:

- Powerful, punctiform air stream
- Ultra-compact design for difficult-to-reach locations
- Low noise level
- Reduced air consumption
- For the highest thermal requirements



Applications:

- Targeted blowing off and blowing out

Series 600.625.1Y

Cost savings and noise reduction



Cost savings

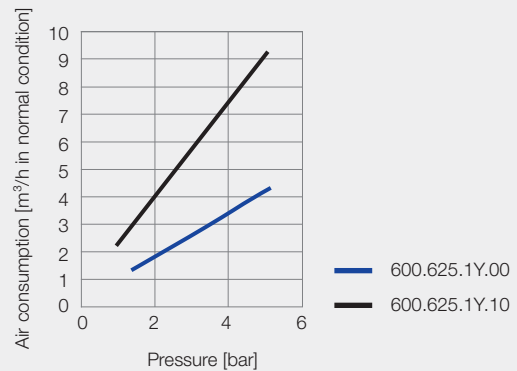
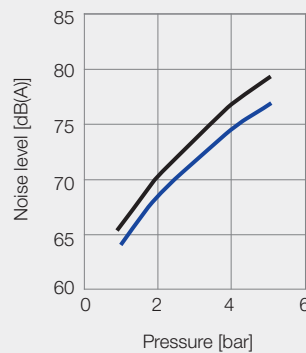
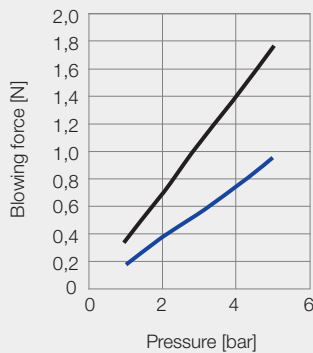
10%



Noise reduction

6%

Technical data



Code	G	Dimensions [mm]			Weight [g]
		L ₁	L ₂	Ø D	
00	M4 x 0.5	16.5	5.5	4.0	1.0
10	M5 x 0.5	16.5	5.5	5.0	1.0

Ordering no.			
Type	Mat. no.	Code	
	1Y	M4 x 0.5	M5 x 0.5
Stainless steel 316L			
600.625	●	00	10

Ordering Type + Material no. + Code = Ordering no.
 example: 600.625 + 1Y + 00 = 600.625.1Y.00



Assembly accessories can be found in Chapter 9 "Accessories".



➤ Solid stream nozzles for air or saturated steam

Series 544

Features:

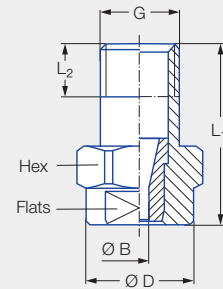
- Powerful, punctiform air stream
- Stainless steel version for higher ambient temperatures

Applications:

- Targeted blowing off and blowing out



OSHA¹



Series 544

¹ Meets OSHA specifications in terms of noise level.

Code	G	Dimensions [mm]					Weight [g]
		L ₁	L ₂	Ø D	Hex	Flats	
CA	1/8 BSPT	22.0	6.5	13.0	14	10	14.0
CC	1/4 BSPT	22.0	10.0	13.0	14	10	16.0

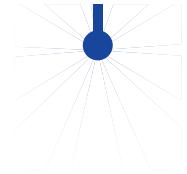
Ordering no.				Bore diameter B [mm]	V̇ _n air [m ³ /h]				Ṁ saturated steam [kg/h]			
Type	Mat. no.	Code			p [bar]				p [bar]			
	16	1/8 BSPT	1/4 BSPT		1.0	2.0	3.0	5.0	1.0	2.0	3.0	5.0
	Stainless steel 303											
544.360	●	CA	CC	1.05	0.93	1.40	1.92	2.88	0.77	1.14	1.64	2.42
544.400	●	CA	CC	1.30	1.43	2.14	2.94	4.41	1.18	1.75	2.51	3.71
544.480	●	CA	CC	1.33	1.67	2.51	3.42	5.13	1.39	2.06	2.92	4.23
544.560	●	CA	CC	1.69	2.58	3.87	5.27	7.90	2.14	3.18	4.50	6.66
544.640	●	CA	CC	2.09	4.33	6.50	8.81	13.22	3.60	5.33	7.52	11.13
544.720	●	CA	CC	2.66	6.85	10.27	14.00	21.02	5.68	8.42	11.96	17.70
544.800	●	CA	CC	3.30	10.75	16.12	21.87	32.81	8.92	13.21	18.66	27.63

Ordering Type + Material no. + Code = Ordering no.
 example: 544.360 + 16 + CA = 544.360.16.CA

Assembly accessories can be found in Chapter 9 "Accessories".

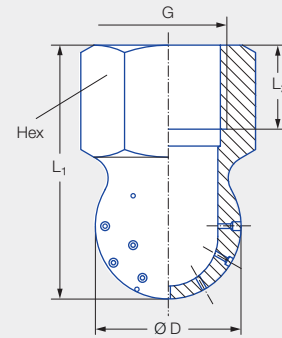
Cluster solid stream nozzles for air or saturated steam

Series 540/541



Features:

- Powerful round jet through 40 individual bore holes
- Delivery of media at an angle of approx. 240°
- Suitable for use in difficult conditions
- Suitable for immersion in liquid media



Applications:

- Injection of steam into liquids
- Injection of compressed air into bulk goods
- Injection of gas (acid and neutralization baths)

Series 540/541

G	Dimensions [mm]				Weight [g]
	L ₁	L ₂	Ø D	Hex	
1/2 BSPP	45.0	15.0	26.0	27	100.0

Spray angle	Ordering no.		Bore diameter B [mm]	V̇ _n air [m ³ /h]				M saturated steam [kg/h]					
	Type	Mat. no.		p [bar]				p [bar]					
		16		1.0	2.0	3.0	5.0	1.0	2.0	3.0	5.0		
		Stainless steel 303											
Approx. 240°	540.909	●	0.80	22.80	34.20	45.50	68.30	18.10	26.90	35.50	52.70		
	540.989	●	1.00	35.50	53.30	71.00	106.50	28.20	41.70	55.10	81.70		
	541.109	●	1.50	83.30	124.90	166.50	249.80	66.00	97.70	129.20	191.60		
	541.189	●	2.00	129.70	194.50	259.30	389.00	103.00	152.60	201.70	299.10		
	541.239	●	2.30	167.20	250.80	334.30	501.50	133.20	197.30	260.80	386.60		

Ordering Type + Material no. = Ordering no.
 example: 540.909 + 16 = 540.909.16

Assembly accessories can be found in Chapter 9 "Accessories".

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