SPITZNAS

TOOLS FOR THE SPECIALIST

AXIAL FANS/
AIR MOVERS “SPITZJET“

PNEUMATIC

ELECTRIC

ATEX
Guideline 94/9 EC

AXIAL FAN FEATURES

Pneumatic or
electric type

For suction and blowing

Protective grill

MOBILE
TYPE

STATIONARY
TYPE

Fan wheel (grill on request)

Load-bearing eye

Air supply with shutoff device

TECHNICAL SPECIFICATION

Performance data at an operating pressure of 4 (5) bar (cont. flow).

AXIAL FAN nominal diameter 300 mm

Mobile axial fan with 300 mm nominal diameter for various ventilation work.

Earthing required.

	ATEX Guideline 94/9 EC	Nominal diameter	Length	Max. operating pressure	Air consumption	Volume flow (unrestricted)	Noise level	Weight
Order no.		mm	mm	bar	m³/min	m³/s	dB(A)	kg
8 1611 0300	II2GcIIBT6	300	350	5	0.45	0.57	85.7	13.0

AXIAL FAN nominal diameter 300 mm

Mobile axial fan with 300 mm nominal diameter for various ventilation work.

Earthing required.

	Nominal diameter	Length	Max. operating pressure	Air consumption	Volume flow (unrestricted)	Noise level	Weight
Order no.	mm	mm	bar	m³/min	m³/s	dB(A)	kg
8 1601 0300	300	350	5	0.58	0.78	87	13.0
8 1602 0300	300	350	5	1.16	1.00	85	13.0
8 1603 0300	300	370	5	0.58	0.78	85	14.0

AXIAL FAN nominal diameter 300 mm

Stationary axial fan with 300 mm nominal diameter for various ventilation work.

Earthing required.

	Nominal diameter	Length	Max. operating pressure	Air consumption	Volume flow (unrestricted)	Noise level	Weight
Order no.	mm	mm	bar	m³/min	m³/s	dB(A)	kg
8 1501 0300	300	440	4	1.28	1.53	101	22.0

AXIAL FAN nominal diameter 300 mm

Stationary axial fan with 300 mm nominal diameter for various ventilation work. Suitable for e. g. tank aeration, cleaning work and many other applications in explosive areas.

Earthing required.

	ATEX Guideline 94/9 EC	Nominal diameter	Length	Max. operating pressure	Air consumption	Volume flow (unrestricted)	Noise level	Weight
Order no.		mm	mm	bar	m³/min	m³/s	dB(A)	kg
8 1531 0300	II2GcIIBT6	300	440	4	2.02	1.57	99.0	21.0

TECHNICAL SPECIFICATION

Performance data at nominal voltage.
Performance data at an operating pressure of 4 bar (cont. flow).

AXIAL FAN nominal diameter 300 mm

Electric fan, especially for explosive areas with 300 mm nominal diameter and protection class IP55.

Earthing required.

	ATEX Guideline 94/9 EC	Nominal diameter	Nominal speed	Motor output	Nominal voltage	Current consumption at nom. voltage	Alternating current single-phase	Alternating current three-phase	Volume flow (unrestricted)	Noise level	Weight
Order no.		mm	rpm	kW	V	A	Hz	Hz	m³/s	dB(A)	kg
8 1020 0140	II2GcIIBT3	300	2,840	0.35	230/400	1.6/0.92			1.0	86.0	20.0
8 1020 0840	II2GcIIBT3	300	2,900	0.37	110	5.1	50	50	1.0	85.0	20.5
8 1020 0850	II2GcIIBT3	300	2,900	0.37	110	5.1	50		1.0	85.0	20.5
8 1020 0860*	II2GcIIBT3	300	2,900/3,480	0.37	110	5.1	50/60		1.0	85.0	20.5
8 1020 0870	II2GcIIBT3	300	2,870	0.37	230	2.3	50		1.0	85.0	20.5

* incl. ON/OFF switch

AXIAL FAN nominal diameter 400 mm

Built-in fan with 400 mm nominal diameter and increased conveying volume.

Earthing required.

	Nominal diameter	Length	Maximum operating pressure	Air consumption	Volume flow (unrestricted)	Noise level	Weight
Order no.	mm	mm	bar	m³/min	m³/s	dB(A)	kg
8 1502 0300	400	440	4	2.11	2.70	92	32.0

AXIAL FAN nominal diameter 400 mm

Built-in fan with 400 mm nominal diameter and increased conveying volume for all explosive areas of equipment group II,category 2.

Earthing required.

	ATEX Guideline 94/9 EC	Nominal diameter	Length	Maximum operating pressure	Air consumption	Volume flow (unrestricted)	Noise level	Weight
Order no.		mm	mm	bar	m³/min	m³/s	dB(A)	kg
8 1532 0300	II2GcIIBT6	400	440	4	2.03	3.15	106	32.0

TECHNICAL SPECIFICATION

Performance data at an operating pressure of 4 bar (cont. flow).

AXIAL FAN nominal diameter 500 mm

Built-in fan with increased conveying volume and a volume flow of more than 4 m³/ sec.

Earthing required.

	Nominal diameter	Length	Maximum operating pressure	Air consumption	Volume flow (unrestricted)	Noise level	Weight
Order no.	mm	mm	bar	m³/min	m³/s	dB(A)	kg
8 1503 0300	500	520	4	2.73	4.33	90	46.0

AXIAL FAN nominal diameter 500 mm

Built-in fan with increased conveying volume and a volume flow of more than 4 m³/ sec for all explosive areas of equipment group II, category 2.

Earthing required.

	ATEX Guideline 94/9 EC	Nominal diameter	Length	Maximum operating pressure	Air consumption	Volume flow (unrestricted)	Noise level	Weight
Order no.		mm	mm	bar	m³/min	m³/s	dB(A)	kg
8 1533 0300	II2GcIIBT6	500	520	4	2.73	4.33	105	46.0

AXIAL FAN nominal diameter 600 mm

Our most powerful fan with a volume flow of more than 5 m³/ sec.

Earthing required.

	Nominal diameter	Length	Maximum operating pressure	Air consumption	Volume flow (unrestricted)	Noise level	Weight
Order no.	mm	mm	bar	m³/min	m³/s	dB(A)	kg
8 1504 0300	600	520	4	3.84	5.83	86	58.0

AXIAL FAN nominal diameter 600 mm

Our most powerful fan with a volume flow of more than 5 m³/ sec for all explosive areas of equipment group II,category 2.

Earthing required.

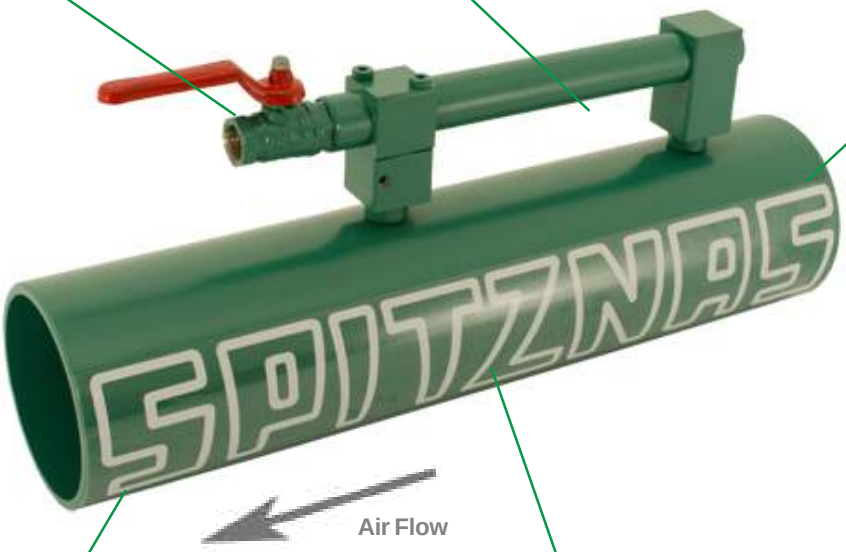
	ATEX Guideline 94/9 EC	Nominal diameter	Length	Maximum operating pressure	Air consumption	Volume flow (unrestricted)	Noise level	Weight
Order no.		mm	mm	bar	m³/min	m³/s	dB(A)	kg
8 1534 0300	II2GcIIBT6	600	520	4	3.84	5.83	99	58.0

AIR MOVER FEATURES „SPITZJET“

Handle with
on/off valve

Handle for
mobile use

Suction side
with venturi nozzle



Air Flow

Air Flow

Exhaust side

For ventilation and exhaust

Earthing cable connection

TECHNICAL SPECIFICATION

Additional accessories on request.
Performance data at an operating pressure of 4-6 bar (cont. flow).

AIR MOVER „SPITZJET“

Due to the venturi principle, these robust fans are maintenance-free and free of wear and tear. The practical handle ensures mobile work at universal applications.

Earthing required.

	ATEX Guideline 94/9 EC	Nominal diameter (outer)	Length	Volume flow (unrestricted)			Noise level (unrestricted)	Air consumption	Connection	Weight
				6 bar	5 bar	4 bar				
Order no.		mm	mm	m³/min	m³/min	m³/min	dB(A)	m³/min		kg
8 1614 0010	II2GcT6	100	410	20.5	17.7	14.9	100.8	1.6 up to 2.3	G 3/8“female	3.3
8 1616 0010	II2GcT6	125	425	26.2	23.3	19.6	101.1	1.7 up to 2.4	G 3/8“female	3.9
8 1618 0010	II2GcT6	150	435	49.8	42.7	36.3	103.8	2.8 up to 4.4	G 1/2“female	5.2
8 1620 0010	II2GcT6	180	450	67.5	62.0	53.6	104.4	2.9 up to 4.5	G 1/2“female	5.3
8 1622 0010	II2GcT6	200	450	78.3	65.3	54.3	115.8	6.3 up to 9.7	G 3/4“female	6.8
8 1624 0010	II2GcT6	250	450	88.7	78.9	67.2	116.3	6.4 up to 9.5	G 3/4“female	8.0

AIR MOVER „SPITZJET“

Due to the venturi principle, these robust stainless steel fans are maintenance-free and free of wear and tear. The practical handle ensures mobile work at universal applications.

Earthing required.

	ATEX Guideline 94/9 EC	Nominal diameter (outer)	Length	Volume flow (unrestricted)			Noise level (unrestricted)	Air consumption	Connection	Weight
				6 bar	5 bar	4 bar				
Order no.		mm	mm	m³/min	m³/min	m³/min	dB(A)	m³/min		kg
8 1634 0010	IM2cT6	101.6	410	21.6	18.2	15.3	100.8	1.6 up to 2.3	G 1/2“female	4.8
8 1636 0010	IM2cT6	129.0	425	27.4	21.7	18.6	101.1	1.7 up to 2.4	G 1/2“female	5.6
8 1638 0010	IM2cT6	154.0	435	52.5	47.0	38.3	103.8	2.8 up to 4.4	G 1/2“female	7.5
8 1640 0010	IM2cT6	168.3	450	59.0	54.2	46.8	104.4	2.9 up to 4.5	G 1/2“female	7.7
8 1642 0010	IM2cT6	204.0	450	81.5	68.0	56.5	115.8	6.3 up to 9.7	G 3/4“female	9.9
8 1644 0010	IM2cT6	219.1	450	83.5	72.1	60.8	116.3	6.4 up to 9.5	G 3/4“female	11.5

ACCESSORIES

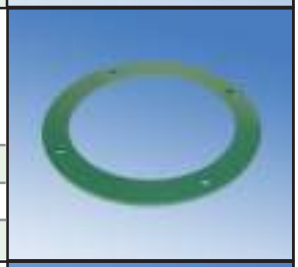
Additional accessories on request.

PROTECTIVE GRILL

For safety reasons an additional grill should be fitted when used without ducting. Select according to nominal diameter.

Used for	for fans with nominal diameter 300 mm	400 mm	500 mm	600 mm
all fans with nominal diameter	**8 1501 7010**	**8 1502 7010**	**8 1503 7010**	**8 1504 7010**
fans 8 1020 0140 und 0870, 8 1601...8 1611	**8 1601 2070**			
fans 8 1020 0840, ...0850, ...0860	**8 1020 2070**			

FLANGE ACCORDING TO DIN 21603



Required if flanged pipes are to be fitted on suction and/or discharge side.
Select according to nominal diameter of fan.

Description	for fans with nominal diameter 300 mm	400 mm	500 mm	600 mm
According to DIN 21603	**9 3001 0010**	**9 3001 0020**	**9 3001 0030**	**9 3001 0040**

CONNECTING PIECE, ANTISTATC

The connecting piece is an intersection from hose to fan.
It can be installed at the suction side and at the discharge side.

Description	for fans with nominal diameter 300 mm	400 mm	500 mm	600 mm
Connecting piece	**9 3709 0260**	**9 3709 0270**	**9 3709 0280**	**9 3709 0290**

QUICK-SEAL COUPLING, ANTISTATIC

The quick-seal coupling joins the connection and the hose.

Description	for fans with nominal diameter 300 mm	400 mm	500 mm	600 mm
Quick-seal coupling	**9 3709 0300**	**9 3709 0310**	**9 3709 0320**	**9 3709 0330**

AIR DUCT, ANTISTATIC, 5 m

The air duct is flexible and adapts itself perfectly to any shape.
It can be extended variably by using the quick-seal coupling.

Description	for fans with nominal diameter 300 mm	400 mm	500 mm	600 mm
Air duct	**9 3709 0220**	**9 3709 0230**	**9 3709 0240**	**9 3709 0250**

ADAPTER

The reducing piece adapts the hose diameter to various location situations.

Order no.	Description
9 3703 0050	Adapter from diameter 300 mm to diameter 200 mm
9 3703 0280	Adapter from diameter 300 mm to diamater 80 mm
9 3703 0290	Adapter from diameter 300 mm to diameter 100 mm
9 3703 0300	Adapter from diameter 300 mm to diameter 150 mm

EARTHING CABLE

Imperatively required for all axial fans and air movers.
Can be used for all fans and SPITZJETS. The total length with clamp is 1.5 m.

Order no.	Description
9 3707 0020	Earthing cable complete

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