

Electrostatic charges occurring during production processes often cause severe disruptions, reducing production speed and product quality.

The series R36 ion blower nozzles versus similar products have a substantially higher ionization power and a longer range.

The ion blower nozzles and the ion blower nozzle supports are fixed installed; the ion blower pistol is designed for manual use.

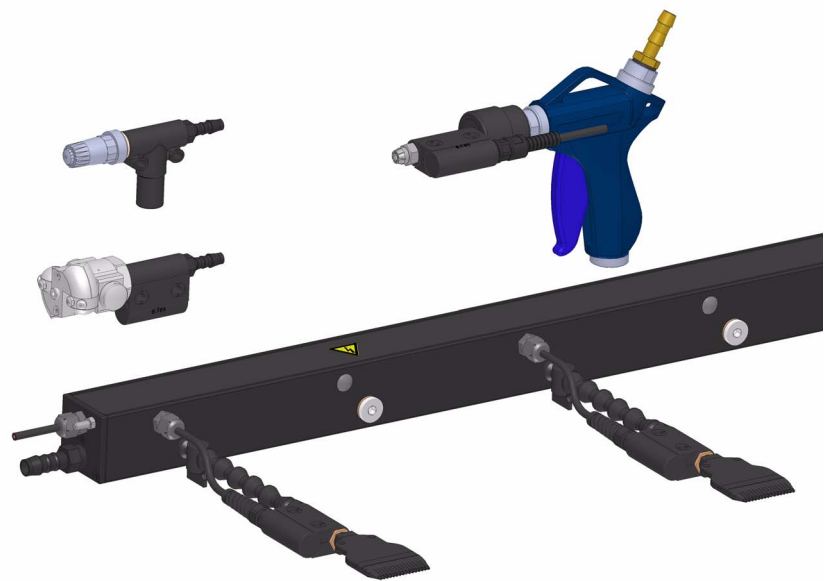
Charged surfaces which attract dirt particles can be effectively discharged, keeping the surfaces free of dust before converting and finishing.

The compact design of the new ion blower nozzle and its high efficiency allow a wide variety of applications.

The benefits:

- high degree of discharging efficiency
- compact design
- small dimensions
- easy installation
- flow-optimized air nozzle
- variable air supply

Technical Information



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Ion Blower Nozzle R36 **Ion Blower Pistol PR36** **Ion Blower Nozzle Support LR36**

TI-en-2043-1203



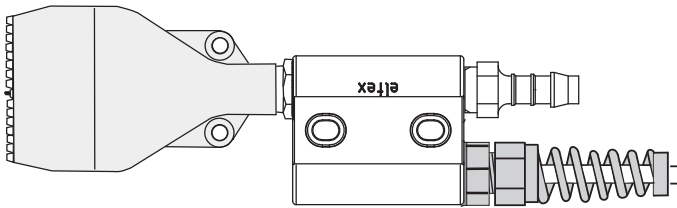
Variants

R36 ion blower nozzle

- fishtail nozzle

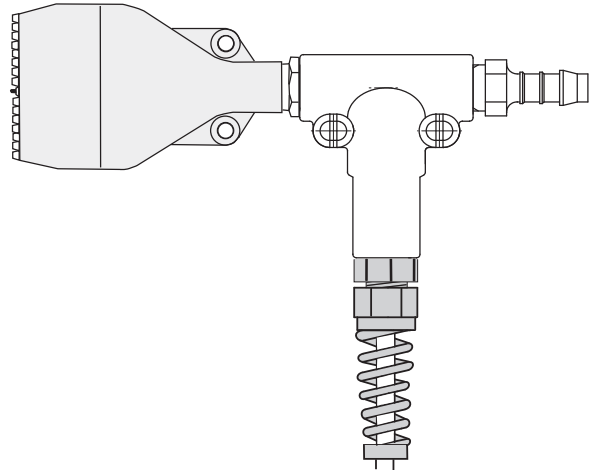
axial design

R36/AF



radial design

R36/RF

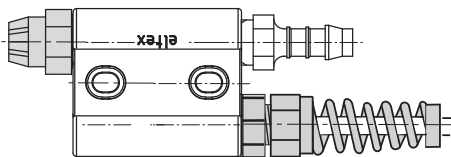


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- circular jet nozzle

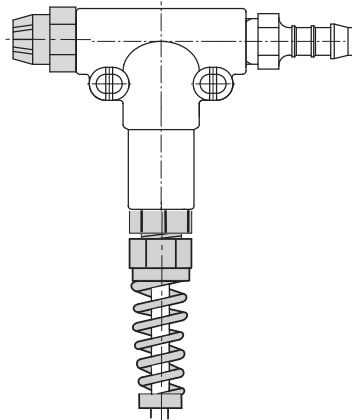
axial design

R36/AK



radial design

R36/RK

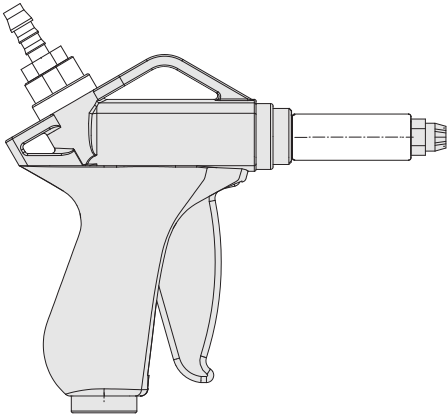


Z00603y

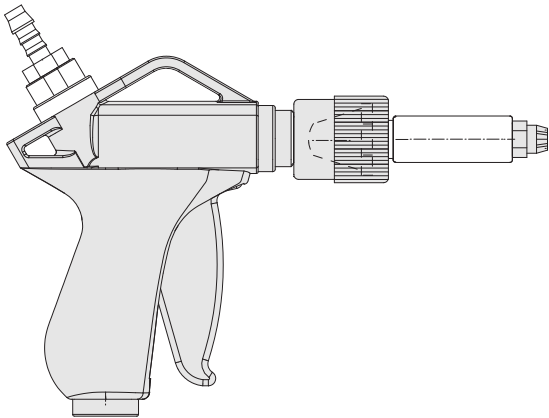
PR36 ion blower pistol

Top air connection

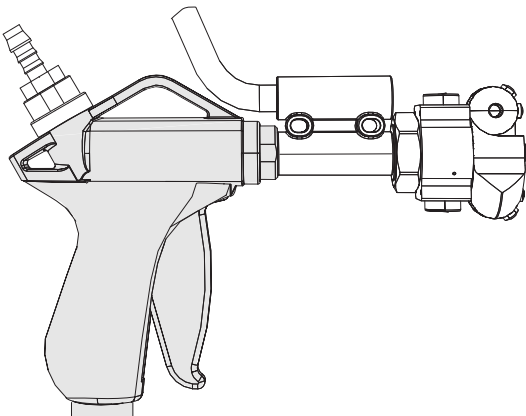
circular jet nozzle without filter: PR36/OK



circular jet nozzle with filter: PR36/GK

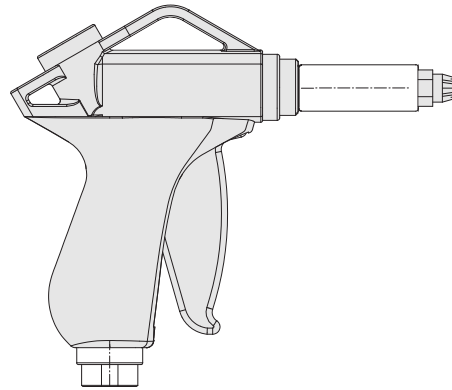


rotating nozzle: PR36/OC

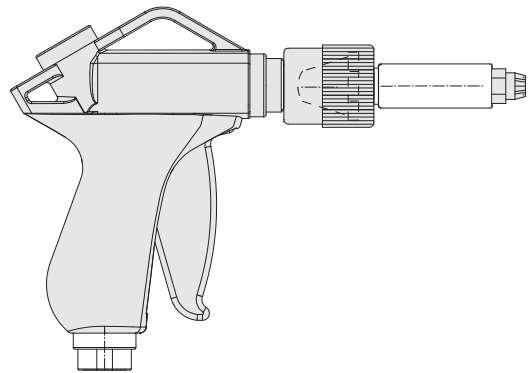


Bottom air connection

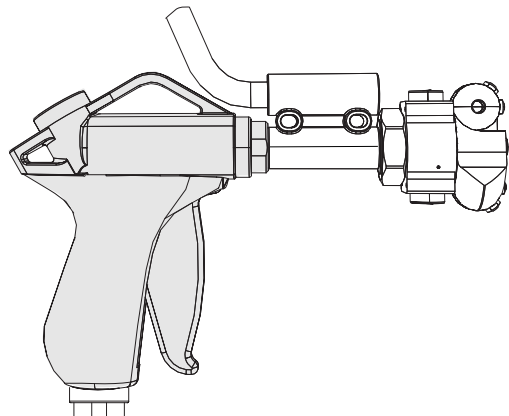
circular jet nozzle without filter: PR36/NK



circular jet nozzle with filter: PR36/FK



rotating nozzle: PR36/NC



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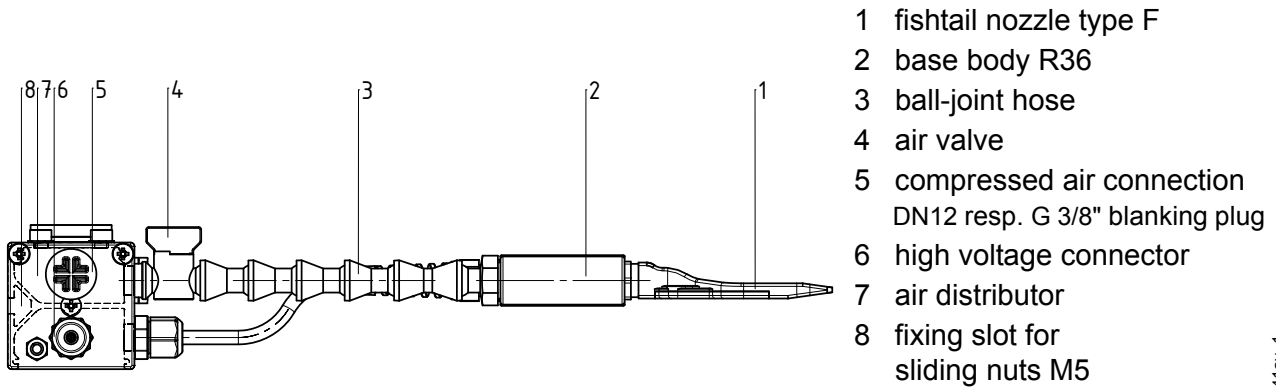
The ion blower pistols are also available with fishtail nozzles.
The grease filter serves to eliminate grease and fat particles from the blower pistol.
Cleaned apparatuses air must be used as blowing air.

Ion Blower Nozzle Support LR36

Flexible ball-joint hoses allow the accurate alignment of individual nozzles.

Each single nozzle is fitted with an air valve to set the desired flow profile. The air supply may be connected to an air supply available.

The standard type of the ion blower nozzle support is employed with the R36/AF fishtail nozzle. After consultations with Eltex, other blower nozzles may be integrated.

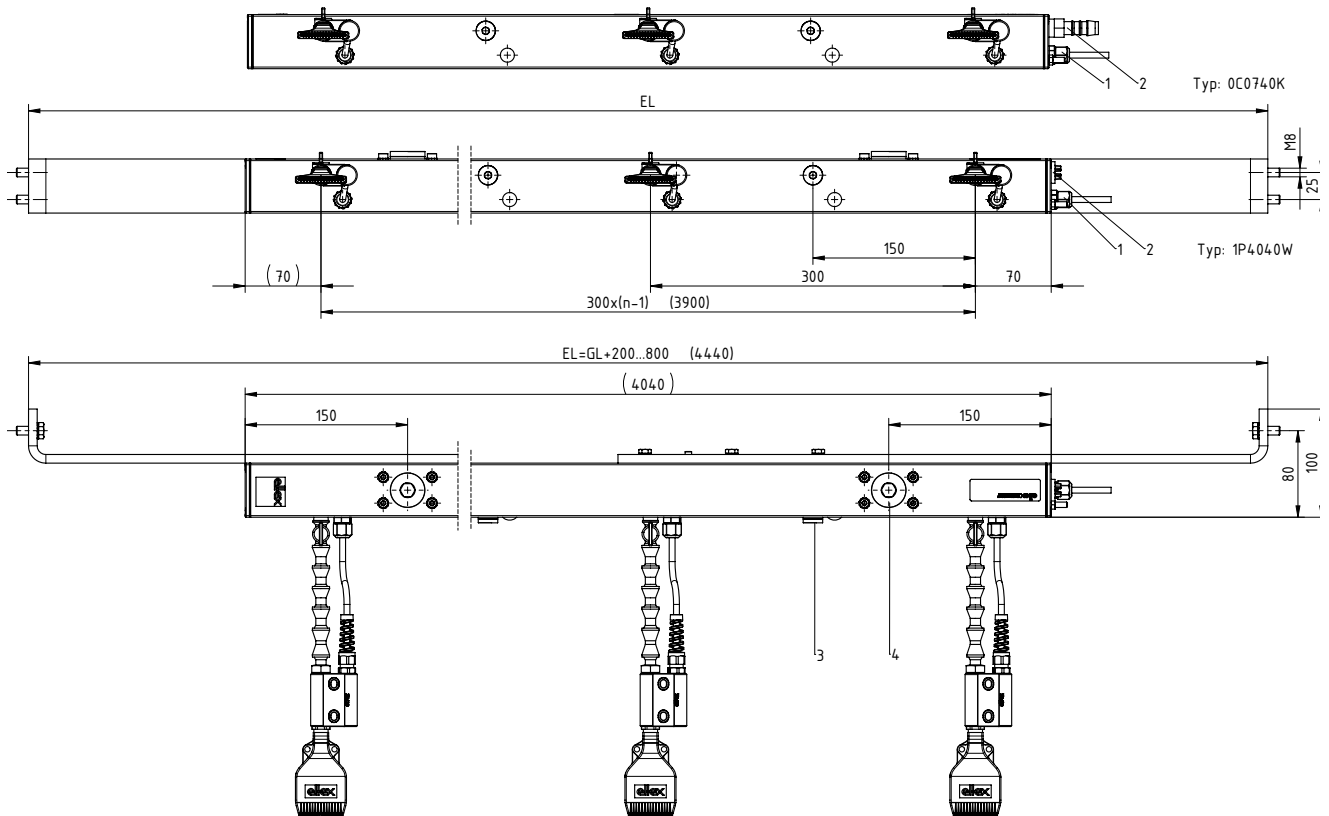


- 1 fishtail nozzle type F
- 2 base body R36
- 3 ball-joint hose
- 4 air valve
- 5 compressed air connection DN12 resp. G 3/8" blanking plug
- 6 high voltage connector
- 7 air distributor
- 8 fixing slot for sliding nuts M5

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nozzles n = pieces	total length GL in mm	installation length EL in mm	air connection		variant
			frontal	rear	
1 nozzle	140 mm	-	1	x	A0140
2 nozzles	440 mm	1200 - 1400	1	x	B0440
3 nozzles	740 mm	1200 - 1540	1	x	C0740
4 nozzles	1040 mm	1240 - 1840	1	x	D1040
5 nozzles	1340 mm	1540 - 2140	1	x	E1340
6 nozzles	1640 mm	1840 - 2440	1	1	F1640
7 nozzles	1940 mm	2140 - 2740	1	1	G1940
8 nozzles	2240 mm	2440 - 3040	1	1	H2240
9 nozzles	2540 mm	2740 - 3340	x	1	I2540
10 nozzles	2840 mm	3040 - 3640	x	2	K2840
11 nozzles	3140 mm	3340 - 3940	x	2	L3140
12 nozzles	3440 mm	3640 - 4240	x	2	M3440
13 nozzles	3740 mm	3940 - 4540	x	3	N3740
14 nozzles	4040 mm	4240 - 4840	x	3	P4040
15 nozzles	4340 mm	4540 - 5140	x	3	Q4340

Dimensions LR36

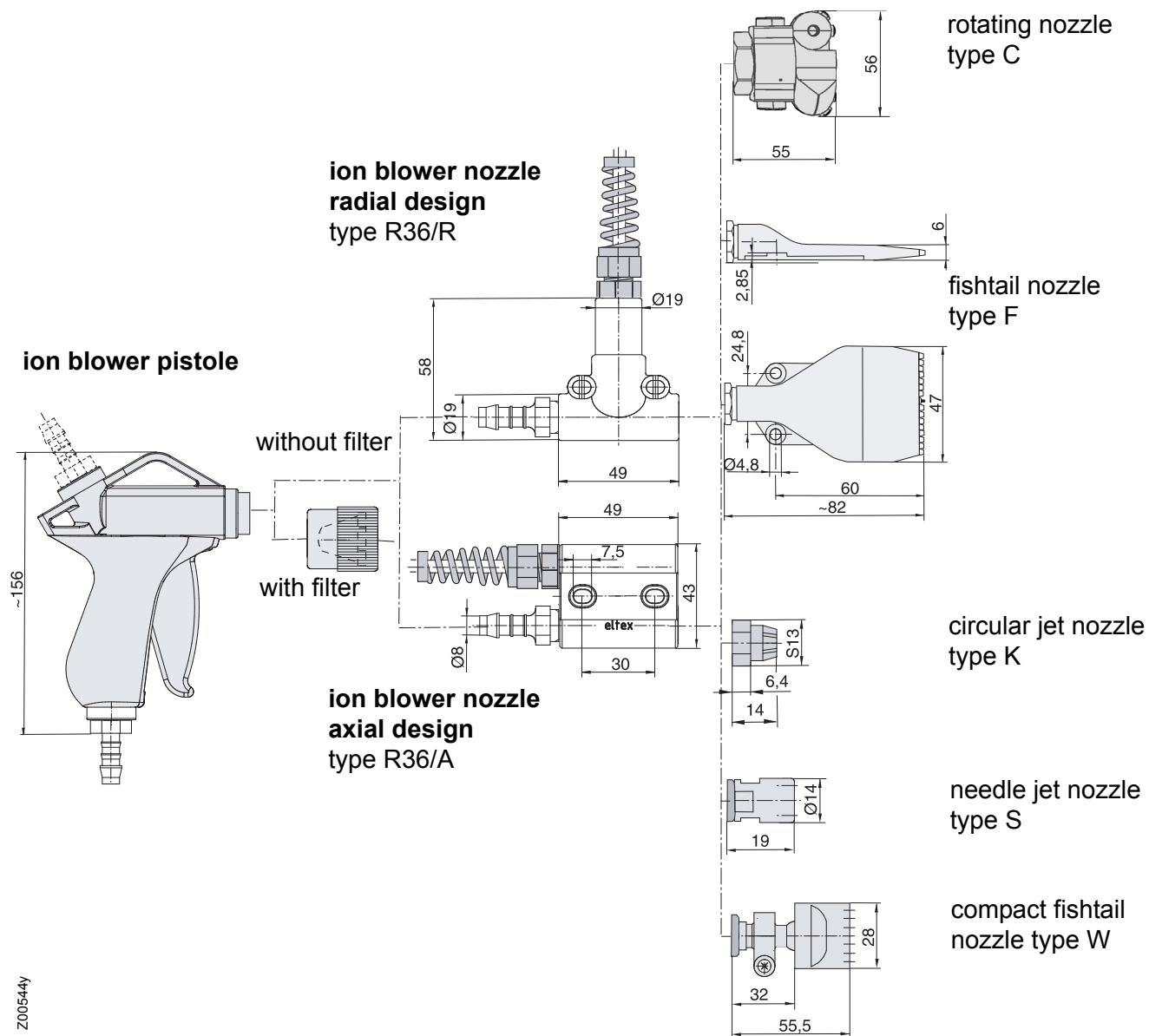


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EL = installation length (GL + 200 ... 800)
 GL = total length of the carrier section
 n = number of nozzles (standard up to n = 15)

- 1 high voltage connector
- 2 compressed air connection: DN 12 resp. G 3/8" blanking plug
- 3 blaning plug: G 1/4"
- 4 compressed air connection: G 3/4" from 9 nozzles (optional from 6 nozzles)

Dimensions ion blower nozzles and ion blower pistols



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The figures are showing the available design. After consultations with Eltex is the integration of commercial plastic blower nozzles possible.

Technical specifications



Operating voltage	5 resp. 6 kV, 50/60 Hz											
High voltage supply	via Eltex power supplies, operating voltage max. 6 kV AC											
Ambient operating temperature	0...+80°C (+32...+176°F) with blown air; blown air temperature max. 30°C 0...+60°C (+32...+140°F) without blown air											
Ambient humidity	max. 70%, no dewing permitted											
Bar element	plastic (PA 6.6 30 % GF)											
Emission tip	tungsten, current-limited and low capacitance											
Contact protection	contact protected according to EN 61140											
Profile	aluminium anodised											
Assembly	R36: with attachment lug of the electrode element LR36: mounting brackets (on demand) The groove in the nozzle carrier is designed to hold the sliding nuts. These are used to mount user-defined the blower nozzle support.											
High voltage connection	connection to screened, prefabricated Eltex high voltage cable, type KE											
Air connection	R36: DN 8 mm hose; PR36: DN 10 mm hose / G 1/4" LR36: DN 12 mm hose resp. G 3/8" frontal, for greater lengths G 3/4" on the back, please see the list page 4											
Dimensions	see figures											
Weight	R36/_F: approx. 60 g, PR36/_F: approx. 240 g, PR36/_C: approx. 410 g, without hv cable LR36: approx. 2 kg/m											
Air pressure	max. 6 bar											
Air consumption [m³/h]	Typical values											
Air pressure [bar]	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
Air consumption R36/_F	3	7	9	12	15	17	20	23	26	29	32	34
Air consumption R36/_K	1.7	3.4	5.1	6.0	6.8	8.5	9.4	11.0	12.7	13.6	15.3	17
Air consumption R36/_S	3	5	7	9	11	13	16	18	20	22	24	27
Air consumption R36/_W	4	8	(max. 1 bar)									
Air consumption LR36 (per nozzle)	3	7	9	12	15	(max. 2,5 bar)						
Air consumption PR36/_C*	9.0	13.8	17.4	25.8	37.8	47.4	59.4	72.6				
*with 2 nozzles per side (with 6 bar)												
Nozzle inserts Ø	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0				

Eltex offices and agencies

The addresses of all
Eltex agencies can be
found on our website at
www.eltex.com



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