

Technical Service Bulletin TSB DK 2003-001

Machine Name:	INDUSTRIAL NOZZLES
Machine Model Number:	
Subject:	New nozzles for industrial vacuum cleaners from Nilfisk-Advance
	Dear Sir or Madam:
	Nilfisk-Advance is setting standards. We are proud to present a new range of high quality nozzles for industrial vacuum cleaners.
	A complete range of nozzles, developed to meet the needs and demands from the food industry and other industries to maintain the cleanliness of their plants, according to stringent hygienic Standards.
	The range of nozzles consists of both curved and flat nozzles making it possible to clean even the most difficult areas, such as overhead pipes, beams and conduits. Some nozzles are made of materials approved by the Food and Drug Administration (FDA), and they can be cleaned in an autoclave. Some nozzles are made of materials with high level of discharge for use in special areas such as the electronic industries etc.
	Our range of wood nozzles will be pruned once existing stocks are cleared.
	The description below includes details of the models now available for sale, but those marked with () or XXXXXXXX can be made available if the need arises.

Description of Change:

Four types of nozzles are made for use in typical industry sectors:

A standard version, an antistatic, an electrical discharge version and a food-friendly version.

The nozzles can be supplied with various fittings for tubes of 32mm (not available at this point), 38mm and 50mm diameter.

The nozzle-neck used on the coloured FDA approved nozzles is in stainless steel and aluminium.

All rubber parts incl. the squeegee is made in a FDA approved silicone rubber.

The nozzle neck used on the "standard version" is made in nickelplated steel (Fe/Zn) and aluminium. The rubber parts are in a standard rubber.

The entire range* can be seen in the following description and covers a potential range of 348 different nozzles.

Standard version:

In light-grey plastic with blue logo, black natural hair and a paleblue serrated squeegee.

Standard nozzle-neck (Fe/Zn).

Antistatic version:

In dark-grey plastic with blue logo, black artificial, antistatic bristles ($<1~G\Omega$) and a black serrated squeegee, or alternatively a black serrated squeegee. The nozzle can be autoclave treated using a normal procedure (130° C)

Special nozzle-neck (Stainless steel).

Electrical discharge version:

In black ESD (Electro static discharge) plastic (<1 $M\Omega$), yellow ESD symbol, black artificial Electro static discharge bristles (<1 $M\Omega$) and a black squeegee, or alternatively only a black serrated squeegee.

Standard nozzle-neck (Fe/Zn).

Food-Industry variants:

Comes in 5 different colours with logo and a blue serrated squeegee made of FDA approved silicon rubber.

The five different colours allow the use of different nozzles for different locations, which is one of the main objectives with this new nozzle range.

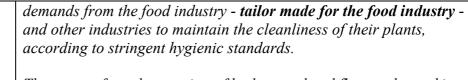
The nozzle can be autoclave treated using a normal procedure (130 $^{\circ}$ C)

Special nozzle-neck (Stainless steel).

The logo includes "FDA – Approved Material Used" which means the manufacturer uses materials approved by the "FOOD AND DRUG ADMINISTRATION" in the United States, acknowledged by

	the manufacturer in a "Letter of Intent" see Attachments No.: 1 - 4. Attachment No.: 1- is material used for nozzle. Attachment No.: 2.12- is material used for nozzle. Attachment No.: 3.1 - 3.5 is for colour-material used for nozzle. Attachment No.: 4- is for rubber-material used for nozzle.
Service Advice:	The nozzles are delivered complete in a plastic bag with a label and EAN- code. The nozzle-neck and nozzle body is supplied separately in plastic bags with label and EAN-code for service and replacement. A description of the entire product range and nozzles with bristles and squeegees respectively is attached. The manufacturer's "Letter of Intent" on the materials used addressed to the FDA is also attached. A photo of the nozzle range is attached.
Part Number:	Part Nos.: As per attached descriptions. As can be seen from the description, the types now available for sale are listed, but other versions designated with () or XXXXXXXX can be made available if the need arises. Tools are made with a relatively short lead-time. Ordering and distribution: The new nozzles are available from the European Distribution Centre (EDC) in Brøndby, Denmark, from 20.2.2003. Reference numbers are listed in the enclosed overview. We wish you a successful launch and good sales!
Feature:	A complete range of nozzles, developed to meet the needs and

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The range of nozzles consists of both curved and flat nozzles making it possible to clean even the most difficult areas, such as overhead pipes, beams and conduits. All nozzles are made of materials approved by the Food and Drug Administration (FDA), and they can be cleaned in an autoclave.

RANGE OF NOZZLES

ZOOM FOR BETTER VIEW

Nozzles for "S	tandard	use", "(Clean-Roon	n", "ESD"	og "Foo	d Indus	try".																			
			Type of No.	zzle racket 32 mm		†	- 1	FDA-APPE	-	_1	Type of No With Fixed	ozzle Bracket 38mm	,	!	- FD	A-APPR.		_1	Type of No With Fixed B	zzle Iracket 50mm		•	- FD	A-APPR		
Type	25 12		Grey Standard ***	Dark Grey	Black ESD *	White	Yellow	Res	Green	Blue	Grey Standard	Dark Grey	Black ESD*	White	Yellow	Red	Green	Blue	Grey Standard ***	Dark Grey	Black ESD *	White	Yellow	Red	Green	Blu
ipecleaning w. Rubber Lipr ipecleaning w. Rubber Lipr ipecleaning w. Rubber Lipr ipecleaning w. Rubber Lipr ipecleaning w. Rubber Lipr	Ø 200mm Ø 300mm Ø 400mm			200000X 200000X 200000X	X000000X X000000X	X000000X X000000X	30000000X 30000000X	3000000X 3000000X	3000000X 3000000X	X000000X X000000X X000000X		10000000 10000000 30000000	X000000X X000000X X000000X D00000000 D00000000	X000000X X000000X	X0000000 X0000000 X0000000	30000000 30000000 30000000	3000000X 3000000X	X000000X X000000X X000000X		300000X 300000X 300000X	000000000 2000000000 2000000000 20000000	3000000X	30000000X 30000000X 30000000X	30000000X 30000000X	10000000X 10000000X	100000 100000 100000
Flat w. Rubber Lips Flat w. Rubber Lips Flat w. Rubber Lips	150mm 220mm 300mm	(C)		X000000X	00000000 000000000	X000000X	x000000X	10000000	>00000000X)000000X		x000000X	000000000 000000000 000000000	3000000X	X0000000	20000000	xxxxxxxx	>000000X		X000000X	X000000X	x0000000X	x0000000X	3000000X	10000000X	100000
Pipecleaning w. Bristles Pipecleaning w. Bristles Pipecleaning w. Bristles Pipecleaning w. Bristles Pipecleaning w. Bristles	Ø 100 mm Ø 200mm Ø 300mm Ø 400mm		10000000X 10000000X 10000000X	1000000X 1000000X 1000000X	3000000X 3000000X 3000000X						20000000 20000000 20000000 200000000	3000000X 3000000X 3000000X	300000000 300000000 000000000 000000000						100000000 100000000 100000000 000000000	3000000X 3000000X 3000000X	000000000 000000000 000000000 100000000					
Flat w. Bristles Flat w. Bristles Flat w. Bristles	150mm 220mm 300mm		000000000 0000000000 0000000000	X000000X	(00000000) (00000000) X0000000						30000000 (00000000) (00000000)	30000000	000000000 (000000000)						3000000X	3000000X	x0000000X					
Round w. Bristles Round w. Bristles	#80mm #100mm		000000000		000000000						000000000		000000000						000000000	0.00.00	000000000					
			Type of No: With Angle B	zzie racket 32mm		†	F	DA-APPR	_	-1	Type of No With Angle	ozzie Bracket 38mm	n	•	FC.	A-APPR		1	Type of No With Angle E	zzle Bracket 50mm		•	- FD	A-APPR		
			Grey Standard ***	Dark Grey	Black ESD *	White	Yellow	Red	Green	Blue	Grey Standard	Dark Grey	Black ESD*	White	Yellow	Rea	Green	Blue	Grey Standard ***	Dark Grey	Black ESD *	White	Yellow	Red	Green	Blue
Pipecleaning w. Rubber Lipr Pipecleaning w. Rubber Lipr Pipecleaning w. Rubber Lipr Pipecleaning w. Rubber Lipr Pipecleaning w. Rubber Lipr	Ø 200mm Ø 300mm Ø 400mm)000000X)000000X)000000X	X000000X X000000X X000000X	X000000X X000000X X000000X	X0000000X X0000000X	30000000X 30000000X 30000000X	30000000 30000000 30000000	X000000X X000000X X000000X		22430101 22430201 22430301	22430102 22430202 22430302 (22430402) (22430502)	22430103 22430203 22430303	22430104 22430304 22430304	22430205	22430106 22430206 22430306			22431801 22431901 22432001	22431902 22431902 22432902 (22432102) (22432202)	22431803 22431903 22432003		22431805 22431905 22432005	22431806 22431906 22432006	
Flat w. Rubber Lips Flat w. Rubber Lips Flat w. Rubber Lips	150mm 220mm 300mm			X000000X	30000000 (00000000) (00000000)	X000000X	X0000000X	3000000X	3000000X	X000000X		22430801	(22430602) (22430702) 22430802	22430803	22430804	22430805	22430806	22430807		22432301	22432302	22432363	22432384	22432305	22432306	22432
Pipecleaning w. Bristles Pipecleaning w. Bristles Pipecleaning w. Bristles Pipecleaning w. Bristles Pipecleaning w. Bristles	Ø 100 mm Ø 200mm Ø 300mm Ø 400mm Ø 600mm	B	3000000X 3000000X 3000000X	3000000X 3000000X 3000000X	X000000X X000000X						22430900 22431000 22431100 (22431200) (22431300)	22430901 22431001 22431101	22430902 22431002 22431102 (22431202) (22431302)						22432400 22432500 22432600 (22432700) (22432800)	22432401 22432501 22432601	22432402 22432502 22432602 (22432702) (22432802)					
Flat w. Bristles Flat w. Bristles Flat w. Bristles	150mm 220mm 300mm		(00000000) (00000000)	3000000X	(00000000) (00000000) X0000000X						(22431400) (22431500) 22431600	22431601	(22431402) (22431502) 22431602						22432900	22432901	22432902					
Round w. Bristles Round w. Bristles	a80mm a100mm	@	000000000		(00000000)						(22431700)		(22431702)						(22433000)		(22433002)					
											-								Type of No With Lockab	zzie ile Angle Braci	et 50 mm	•	FD,	A-APPR -		
								- 0	കഥ്	foll	SE 6	10							Grey Standard ****	Dark Grey	Black ESD *	White	Yellow	Red	Green	Blue
^p ipecleaning w. Rubber Lipr Pipecleaning w. Rubber Lipr Pipecleaning w. Rubber Lipr Pipecleaning w. Rubber Lipr Pipecleaning w. Rubber Lipr	Ø 200mm Ø 300mm Ø 400mm			919	17 V	aris	ME	30	im	30t3	sale									22433101 22433201 22433301	22433102 22433202 22433302 (22433402) (22433502)	22433103 22433203 22433303	22433184 22433284 22433384	22433105 22433205 22433305	22433106 22433206 22433306	224331 224332 224333
Flat w. Rubber Lips Flat w. Rubber Lips Flat w. Rubber Lips	150mm 220mm 300mm				2/18	Va		Nice	4 G G G G	2										22433681	72433682	22433603	22433684	22433605	22433606	224336
Pipecleaning w. Bristles Pipecleaning w. Bristles Pipecleaning w. Bristles Pipecleaning w. Bristles Pipecleaning w. Bristles	Ø 100 mm Ø 200mm Ø 300mm Ø 400mm Ø 600mm				Dere		(71.34 F.J.M.	100000										22433700 22433890 22433900 (22434000) (22434100)	22433781 22433881 22433981	22433702 22433802 22433902 (22434002) (22434102)					
Flat w. Bristles Flat w. Bristles Flat w. Bristles	150mm 220mm 300mm																		22434200	22434201	22434282					
Round w. Bristles	#100mm	@																	(22434300)	a.v/ton	(22434302)					
2.7.02.SBJ. 5.8.02.SB.	3.udgave		*** Natural Bristles	** Autocla- vable							Natural Bristles	** Autocla- vable							*** Natural Bristles	Autocla- vable						
(XXXXXXXX) TOOLS NOT ORDERED!!				ANTISTATIC	* ESD Proof <1 MG							" ANTISTATIO	*ESD- Proof <1 MQ							ANTISTATIC	* ESD- Proof <1 MO					

NOZZLE-PAR	г WITH B	RISTLES	- (PLASTIC)		
Type of Nozzle			Grey Standard ***	Dark Grey Standard **	Black ESD *
Pipecleaning w. Bristles Pipecleaning w. Bristles	Ø 100 mm Ø 200mm		42430900 42431000	42430901 42431001	42430902 42431002
Pipecleaning w. Bristles Pipecleaning w. Bristles Pipecleaning w. Bristles	Ø 300mm Ø 400mm Ø 600mm		(42431100 (42431200) (42431300)	42431101	42431102 (42431202) (42431302)
Flat w. Bristles	150mm 220mm	ALO.D	(42431400) (42431500)		(42431402) (42431502)
Flat w. Bristles	300mm	رتات	42431600	42431601	42431602
Round w. Bristles Round w. Bristles	ø80mm ø100mm		(42431700)	-	(42431702)
6.2.03.SBJ	3.udgave		*** Natural Bristles	** Autocla- vable	
(XXXXXXXX) TOOLS NOT ORDERED !!				ANTISTATIC <1 GΩ	* ESD-Proo <1 MΩ
			EAN-No.:	EAN-No.:	EAN-No.:
			5715492+	5715492+	5715492+
			027859	027866	027873
			027880	027897	027903
			027927 027958	027934 027965	027941 027972

NOZZLE-	PART WITH	H LIPS - (I	PLASTIC)		 	—— FD	A-APPR.		-
Type of Nozzle			Dark Grey **	Black ESD	White	Yellow	Red	Green	Blue
Pipecleaning w. Rubber Lips Pipecleaning w. Rubber Lips Pipecleaning w. Rubber Lips Pipecleaning w. Rubber Lips Pipecleaning w. Rubber Lips	Ø 100 mm Ø 200mm Ø 300mm Ø 400mm Ø 600mm		32430101 32430201 32430301	32430102 32430202 32430302 (32430402) (32430502)	32430103 32430203 32430303	32430104 32430204 32430304	32430105 32430205 32430305	32430106 32430206 32430306	32430207
Flat w. Rubber Lips Flat w. Rubber Lips Flat w. Rubber Lips	150mm 220mm 300mm		32430801	(32430602) (32430702) 32430802	32430803	32430804	32430805	32430806	32430807
6.2.03.SBJ (XXXXXXXX) TOOLS NOT ORDERED !!	3.udgave		** Autocla- vable ** ANTISTATIC <1 GΩ	* ESD-Proof <1 MΩ					
			EAN-No.: 5715492+ 027576 027583 027590 027781	EAN-No.: 5715492+ 027606 027613 027620 027798	EAN-No.: 5715492+ 027637 027644 027651 027804	EAN-No.: 5715492+ 027668 027675 027682 027811	EAN-No.: 5715492+ 027699 027705 027712 027828	EAN-No.: 5715492+ 027729 027736 027743 027835	EAN-No.: 5715492+ 027750 027767 027774 027842

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