

Agency Approved Products – July 2006

Introduction

Nordson Corporation designs its products to comply with the different codes that govern the manufacture and use of its products worldwide. Nordson Corporation also submits its products to public and private approval agencies for testing and approval.

The tables in this document list the current approved Nordson Corporation products and the agencies that approve them.

NOTE: Direct any communications regarding product approval to the Finishing Division Approvals Administrator, 555 Jackson Street, Amherst, Ohio, 44001.

Certification and Approval Agency Codes

Table 1 Certification and Agency Codes

Code	Description
ATEX	ATEX certification is a European Union new-style directive for equipment used in explosive or flammable atmospheres. Equipment under this directive must comply by July 2003.
CE	European Community. This compliance symbol must appear on all applicable equipment sold in the European Union member countries. This symbol indicates that the product meets all applicable safety directives; for example, Machinery Directive, Low Voltage Directive, or EMC Directive.
CESI	Central Electrotechnical Standardization Institute, Italy; member of the European Union
CSA	Canadian Standards Association
Baseefa	Baseefa certification service, United Kingdom; member of the European Union
FM	Factory Mutual Research Corporation, NRTL
FTZU	Czech government safety approval; member of the European Union
INERIS	French EU Notified Body
RIIS	Japan
SAA	Australia
SEV	Switzerland
SIRA	SIRA certification service, United Kingdom; member of the European Union
TUV	TUV Rheinland of North America, main office Germany; member of the European Union & NRTL
USDA	United States Department of Agriculture

Liquid Finishing Products

NH-4 Fluid Heaters

Table 2 lists certified or approved NH-4 fluid heaters.

Table 2 NH-4 Fluid Heaters

Part	Voltage	CSA	FM	RIIS	SEV	ATEX/CE	Note
238502	230 V					✓	A, F
245672	115 V	✓	✓				
245673	200 V		✓				
245674	230 V	✓	✓				
245675	380 V		✓				
245676	460 V		✓				
246238	115 V		✓				B
246490	115 V		✓				B
246566	200 V			✓			C, D
246664	200 V			✓			A, C, D
246665	230 V		✓				A
247477	200 V		✓				B
247478	230 V	✓	✓				B
247479	380 V		✓				B
247480	460 V		✓				B
247748	230 V				✓	✓	F
248334	460 V		✓				A
712905	115 V		✓				A
7202883	230 V					✓	A, E, F

NOTE A: Stainless steel.
 B: Twin passage.
 C: Also available in 100 Vac, 115 Vac, and 230 Vac.
 D: Japanese Office reworks parts 246566 and 246664 to the required voltages.
 E: With RTD.
 F: ATEX certified with Baseefa.

Liquid Electrostatic

Table 3 lists certified or approved 115 kV liquid electrostatic products used with the EPS-9 electrostatic power supply and electrostatic cables.

Table 3 115 kV Liquid Electrostatic Products (Used with EPS-9)

Part	Description	CE	CSA	FM	Note
134620	ESB-100, electrostatic shaping bar	✓	✓	✓	
295360	RA-20	✓	✓	✓	A
NOTE A: See reference drawing 304882 for approved configurations.					

Table 4 lists certified or approved liquid spray applicators used with the IPS10A controller or manual and automatic Kinetix IPS controllers with low-voltage control cables.

Table 4 IPS (Internal Power Supply) Liquid Spray Applicators

Part	Description	CE	ATEX	FM	CSA	Note
295359	RA-20	✓		✓	✓	A
304421	RA-20R (robot), 90° mount	✓		✓	✓	A
304423	RA-20R (robot), 0° mount	✓		✓	✓	A
308993	RA-20R (robot), 60° mount	✓		✓	✓	A
308995	RA-20R (robot), 45° mount	✓		✓	✓	A
336681	LP Kinetix® automatic gun	✓	✓	✓	✓	C
336682	AAA Kinetix automatic gun	✓	✓	✓	✓	C
336683	Airless Kinetix automatic gun	✓	✓	✓	✓	C
336715	LP Kinetix manual gun, 50 ft	✓	✓	✓	✓	B
336716	AAA Kinetix manual gun, 50 ft	✓	✓	✓	✓	B
336717	Airless Kinetix manual gun, 50 ft	✓	✓	✓	✓	B
336724	LP Kinetix manual gun, 3/8, 50 ft	✓	✓	✓	✓	B
NOTE A: See reference drawing 304882 for approved configurations.						
B: See reference drawing 336449 for approved configurations, ATEC Certified with CESI.						
C: See reference drawing 336469 for approved configurations, ATEX Certified with INERIS.						

Liquid Electrostatic (contd)

Table 5 lists certified or approved waterborne liquid electrostatic products used with the EPS6, HD Iso-Flo, and electrostatic cables.

Table 5 Waterborne Liquid Electrostatic Products

Part	Description	ATEX	CE	FM	CSA	Note
224245	Automatic HD Iso-Flo®		✓	✓	A	
225579	Manual HD Iso-Flo		✓	✓	A	
295361	RA-20		✓	✓	A	B
304422	RA-20R (robot), 90° mount		✓	✓	A	B
304424	RA-20R (robot), 0° mount		✓	✓	A	B
308994	RA-20R (robot), 60° mount		✓	✓	A	B
308996	RA-20R (robot), 45° mount		✓	✓	A	B
336664	Airspray manual dolly, Kinetix	✓	✓	✓	A	C, F
336665	HVLP manual dolly, Kinetix	✓	✓	✓	A	C, F
336666	Airspray manual wall mount, Kinetix	✓	✓	✓	A	C, F
336667	HVLP manual wall mount, Kinetix	✓	✓	✓	A	C, F
336668	Airspray automatic system, Kinetix	✓	✓	✓	A	D, E
336669	HVLP automatic system, Kinetix	✓	✓	✓	A	D, E
NOTE A: CSA has no standards for applicators used with non-flammable fluids. B: See reference drawing 304420 for approved configurations. C: Uses manual Kinetix applicator, part 336671. D: Uses automatic Kinetix applicator, part 336701. E: ATEX certified with INERIS using 336701 Auto applicator. F: ATEX certified with CESI using 336671 Manual applicator.						

Table 6 lists certified or approved liquid electrostatic power supplies or controllers used with applicators listed in Tables 3 through 5.

Table 6 Liquid Electrostatic Power Supplies and Controllers

Part	Description	ATEX	CE	FM	CSA	NOTE
184260	EPS9 with current limiter, 120/240 V		✓	✓	✓	
229915	EPS9 with current limiter, 100/200 V		✓	✓		
229934	EPS6, 120/240 V	✓	✓	✓		A, B, C
229941	EPS6, 100/200 V		✓	✓		A
297136	IPS10A controller		✓	✓	✓	
297148	Manual Kinetix controller	✓	✓	✓	✓	B
336374	Automatic Kinetix controller	✓	✓	✓	✓	C
NOTE A: These products are used in the waterborne paint applications; CSA has no standards for these applications. B: ATEX certified with CESI. C: ATEX certified with INERIS.						

Liquid Pumps and Miscellaneous Products

Table 7 lists certified or approved liquid products and liquid pumps.

Table 7 Liquid Pumps and Miscellaneous Products

Part	Description	ATEX/CE	TUV	USDA	Note
709009	Agitator			✓	
244780	Circulating valve kit, stainless steel, dual			✓	
244778	Circulating valve kit, stainless steel, single			✓	
842XXX	Series hose, PTFE, stainless steel fittings			✓	
149570	25B, 16:1 stainless steel, type G	✓			A
245555	25B, 27:1 aluminum, type F	✓			A
245556	25B, 16:1, aluminum, type F	✓			A
247062	25B, 27:1 stainless steel, type F	✓			A
247238	25B, 16:1 stainless steel, type F	✓			A
247536	25B, 2:1 stainless steel, type F	✓			A
247537	25B, 4:1 stainless steel, type F	✓			A
272329	25B, 16:1, stainless steel, soft seat	✓			A
244766	64B, 15:1 wall-mount, aluminum	✓			A
244773	64B, 30:1 wall-mount, aluminum	✓			A
247027	64B, 15:1 wall-mount, stainless steel	✓			A
247028	64B, 30:1 wall-mount, stainless steel	✓			A
1023362	PermaFlo 830	✓			A
1024648	PermaFlo 815	✓			A
112246	CP dual piston, stainless steel (solvent)	✓			A
130697	CP dual piston, stainless steel (GP)	✓			A
249351	CP dual piston, stainless steel (waterborne)	✓			A
170494	CP dual piston, (solvent base) EPR	✓			A
1004016	CP abrasive resistant, stainless steel (waterborne)	✓			A
179511	DR1676, dual piston (waterborne)	✓			A
179476	EP, 2 gallons per minute (waterborne)		✓		B
NOTE A: ATEX files held by SIRA. B: CE certified through TUV for waterborne systems.					

Airless Spray Applicators

Table 8 lists certified or approved airless spray applicators.

Table 8 Airless Spray Applicators

Part	Description	CE	CSA	Baseefa	FM	RIIS	SAA	TUV	Note
246075	A10A		✓		✓	✓	✓		
246065	A10A with 6.35 cm (2.5 in.) extension		✓		✓	✓	✓		
1047414	A10A Fixed Coil				✓				
135576	A20A		✓		✓				
135575	A20A, extended		✓		✓				
141426	A20A	✓		✓					
141425	A20A, extended	✓		✓					
153150	A7A, circulating	✓							
153160	A7A, stainless steel circulating	✓							
246789	A7A, high speed	✓							
170496	A7A, 293 mm	✓							
179419	A7A, 333 mm	✓							
160062	Dual A7A, drum	✓							
160063	Dual A7A, stainless steel drum	✓							
248937	Dual A7A, drum	✓							
337302	Dual A7A, stainless steel waterborne	✓							
337303	A7A, stainless steel automatic circulating waterborne	✓							
337304	Dual A7A, angled waterborne	✓							
342276	A7A, high pressure non-corrosive	✓							
342300	Dual A7A, high pressure non-corrosive	✓							
1032379	A7A Modular	✓							C
1059500	Dual A7A Modular	✓							C
1041276	MEG Inside Stripe			✓	✓				B
1062093	MEG Reduced Cavity			✓	✓				B
1067260	CleanSpray® XT	✓							A
141448	CleanSpray, gun	✓						✓	A
324411	CleanSpray II	✓							A
237411	MEG® gun (standard)	✓						✓	A, D
272334	MEG gun (high viscosities)	✓						✓	A, D
344003	MEG gun, solvent base	✓		✓	✓				B, D
113906	A4B, circulating, stainless steel, with swivel	✓							
152200	A4B, circulating	✓							
152320	A4B, non-circulating	✓							

Continued...

Part	Description	CE	CSA	Baseefa	FM	RIIS	SAA	TUV	Note
152400	A4B, circulating with guard	✓							
152450	A4B, non-circulating stainless steel	✓							
152480	A4B, circulating stainless steel	✓							
115035	A11A, compound, special 0.020 nozzle	✓							
177282	A11A, plastisol, 0.060 nozzle	✓							
246260	A11A, 0.020 nozzle	✓							
247209	A11A, 0.036 nozzle	✓							
247210	A11A, 0.060 nozzle	✓							
NOTE A: Certified for use with non-flammable or waterborne materials. B: ATEX certified with Baseefa. C: ATEX file held by SIRA. D: EMC certified with controls through TUV.									

Container Industry Products

Table 9 lists certified or approved airless spray applicator controls for the container industry.

Table 9 Container Industry

Part	Description	CE	FM	TUV	Note
121144	CleanSpray®, level detector	✓		✓	A
147387	CleanSpray, timer	✓		✓	A
159909	Ink-Dot™, controller 3-4 gun	✓		✓	A
159910	Ink-Dot, controller 5-6 gun	✓		✓	A
159925	Ink-Dot, controller 1-2 gun	✓		✓	A
162013	CanWorks® system	✓		✓	B
1042409	iTrax® Spray Monitor	✓		✓	A
227332	MEG®, driver, 1 gun	✓	✓	✓	A
227333	MEG, driver, 2 gun	✓	✓	✓	A
NOTE A: TUV certificates for EMC and electro-mechanical. B: TUV certificates for electro-mechanical.					

Table 10 lists certified or approved curing equipment for the container industry.

Table 10 Curing Equipment for the Container Industry

Model	Description	CE	TUV-T	TUV/EMC	TUV/US
ICD	Induction compound dryer	✓	✓	✓	
ISC	Induction seam dryer	✓	✓	✓	
ECD	EcoDry® induction dryer	✓	✓	✓	✓

Powder Finishing Products

The tables in this section list approved powder finishing products and the regulatory agencies that certify or approve them.

Powder Booths

Table 11 lists certified or approved powder collection equipment. All the products listed in this table are powder booths.

Table 11 Powder Booths

Part	Description	FM	Note
—	512	✓	A
—	516	✓	A
—	518	✓	A
—	524	✓	A
—	Excel 2001	✓	A, B
—	Excel 2002	✓	A, B
—	Excel 2003	✓	A, B
-----	Horizon® 400 H	✓	A, B
-----	Horizon 400 L	✓	A, B
-----	Horizon 200 H	✓	A, B
-----	Horizon 200 L	✓	A, B
-----	CK02SM	✓	A
-----	CK03SI	✓	A
-----	CK04SI	✓	A
NOTE A: Canadian Standard Association (CSA) does not have standards for testing powder collection equipment. Authorities with jurisdiction in Canada, such as Ontario Hydro, have accepted the Factory Mutual (FM) listed systems. B: Certified by the Pennsylvania Department of Labor and Industry.			

Flame Detection Equipment

Table 12 lists certified or approved flame detection products used with powder equipment.

Table 12 Flame Detection

Part	Description	CE	CSA	FM	UL 508	Note
327760	FS-10 fire detector			✓		B
307445	Indicator panel	D			✓	C
341559	U7698E flame detector	✓	✓	✓		A, B
NOTE A: Intended for European market. B: Air shield, interface box, and mounting kits ordered separately. C: For use with part 327760 or 341559. D: CE/European Union version panel must be made at a CE panel shop.						

Powder, Electrostatic Power Supplies and IPS Controllers

Regulatory agencies certify and approve powder spray equipment as systems. A powder spray system includes the electrostatic power supply or IPS controller, the low- or high-voltage cable, and the powder spray applicator.

Table 13 lists certified or approved integrated power supply (IPS) controllers and electrostatic power supplies.

Table 13 Electrostatic Power Supplies and IPS Controllers

Part	Description	CE	CESI	CSA	FM	SIRA	FTZU	TUV	USDA	INERIS
144917	EXP-100, neg kV, rack unit			✓	✓					
163603	EXP-100, neg kV, wall unit			✓	✓					
173097	Versa-Spray II, standalone unit	✓	✓	✓	✓		✓	B	✓	
1018181	Sure Coat®, 3 gauge unit	✓		✓	✓	✓		B		
303070	Sure Coat master control, 19 in.	✓		✓	✓			B		
307395	Sure Coat auto Double/3GA, 19 in.	✓		✓	✓			B		✓
307396	Sure Coat auto single/3GA, 19 in.	✓		✓	✓			B		✓
307397	Sure Coat auto double/2GA, 19 in.	✓		✓	✓			B		✓
307398	Sure Coat auto single/2GA, 19 in.	✓		✓	✓			B		✓
1013970	Trigger controller for 19 in. racks	✓		✓	✓					
309480	Demo unit, Sure Coat	✓				✓				
1043820	Vantage Individual Controller	✓		✓	✓					✓
1043876	Vantage® 4 Gun Auto	✓		✓	✓					✓
1043877	Vantage 4 Gun with Base	✓		✓	✓					✓
1043878	Vantage 6 Gun Auto	✓		✓	✓					✓
1043879	Vantage 6 Gun with Base	✓		✓	✓					✓
1043900	Vantage 8 Gun Auto	✓		✓	✓					✓
1043901	Vantage 8 Gun with Base	✓		✓	✓					✓
1067963	Vantage Manual Controller	✓			A		✓			
1054739	Prodigy™ Manual Controller	✓			A	✓				
1068999	Prodigy iControl® 4 Gun	✓			A					
1054778	Prodigy iControl 6 Gun	✓			A					
<i>Continued...</i>										
1054777	Prodigy iControl 8 Gun	✓			A					

10 Agency Approved Products

Part	Description	CE	CESI	CSA	FM	SIRA	FTZU	TUV	USDA	INERIS
1054776	Prodigy iControl 10 Gun	✓			A					
1054775	Prodigy iControl 12 Gun	✓			A					
1054774	Prodigy iControl 14 Gun	✓			A					
1054773	Prodigy iControl 16 Gun	✓			A					
1054772	Prodigy iControl 18 Gun	✓			A					
1054771	Prodigy iControl 20 Gun	✓			A					
1054770	Prodigy iControl 22 Gun	✓			A					
1054759	Prodigy iControl 24 Gun	✓			A					
1054758	Prodigy iControl 26 Gun	✓			A					
1054757	Prodigy iControl 28 Gun	✓			A					
1054756	Prodigy iControl 30 Gun	✓			A					
1054751	Prodigy iControl 32 Gun	✓			A					
1040483	iControl 6 Gun with CPU	✓		✓	✓					✓
1042716	iControl 6 Gun No CPU	✓		✓	✓					✓
1042992	iControl 8 Gun with CPU	✓		✓	✓					✓
1042993	iControl 8 Gun No CPU	✓		✓	✓					✓
1042994	iControl 10 Gun with CPU	✓		✓	✓					✓
1042995	iControl 10 Gun No CPU	✓		✓	✓					✓
1042996	iControl 12 Gun with CPU	✓		✓	✓					✓
1042997	iControl 12 Gun No CPU	✓		✓	✓					✓
1042998	iControl 14 Gun with CPU	✓		✓	✓					✓
1042999	iControl 14 Gun No CPU	✓		✓	✓					✓
1043050	iControl 16 Gun with CPU	✓		✓	✓					✓
1043051	iControl 16 Gun No CPU	✓		✓	✓					✓
NOTE A: FM certified for USA and Canada.										
B: TUV certified to the Electro-Magnetic Compatibility (EMC) Directive requirements.										

Powder Spray Applicators

Regulatory agencies certify and approve powder spray equipment as systems. A powder spray system includes the electrostatic power supply or IPS controller, the low- or high-voltage cable, and the powder spray applicator.

Table 14 lists certified or approved powder spray applicators.

Table 14 Powder Spray Applicators

Part	Description	INERIS	CESI	CE	CSA	FM	FTZU	SIRA	USDA
132739	Versa-Spray®, cable fed, manual, 4 m (13.1 ft)				✓	✓			
132741	Versa-Spray, cable fed, manual, 8 m (26.2 ft)				✓	✓			
158258	Versa-Spray IPS, manual PE, 80 kV, 4 m (13.1 ft)				✓	✓			✓
158259	Versa-Spray IPS, manual PE, 80 kV, 8 m (26.2 ft)				✓	✓			✓
163405	Versa-Spray, cable fed, manual, 12 m (39.4 ft)				✓	✓			
170079	Versa-Spray IPS, manual PE, 80 kV, 12 m (39.4 m)				✓	✓			✓
173125	Versa-Spray II IPS, manual, negative kV, 4 m (13.1 ft)		✓	✓	✓	✓			✓
173126	Versa-Spray II IPS, manual, negative kV, 8 m (26.2 ft)		✓	✓	✓	✓			✓
173127	Versa-Spray II IPS, manual, negative kV, 12 m (39.4 ft)		✓	✓	✓	✓			✓
173128	Versa-Spray II IPS, manual, positive kV, 4 m (13.1 ft)		✓	✓	✓	✓			✓
173129	Versa-Spray II IPS, manual, positive kV, 8 m (26.2 ft)		✓	✓	✓	✓			✓
173130	Versa-Spray II IPS, manual, positive kV, 12 m (39.4 ft)		✓	✓	✓	✓			✓
173131	Versa-Spray II IPS, manual, negative kV, 4 m (13.1 ft), with air		✓	✓	✓	✓			✓
173132	Versa-Spray II IPS, manual, negative kV, 8 m (26.2 ft), with air		✓	✓	✓	✓			✓

Continued...

12 Agency Approved Products

Part	Description	INERIS	CESI	CE	CSA	FM	FTZU	SIRA	USDA
173133	Versa-Spray II IPS, manual, negative kV, 12 m (39.4 ft), with air		✓	✓	✓	✓			✓
173134	Versa-Spray II IPS, manual, positive kV, 4 m (13.1 ft), with air		✓	✓	✓	✓			✓
173135	Versa-Spray II IPS, manual, positive kV, 8 m (26.2 ft), with air		✓	✓	✓	✓			✓
173136	Versa-Spray II IPS, manual, positive kV, 12 m (39.4 ft), with air		✓	✓	✓	✓			✓
-----	Versa-Spray II IPS, automatic, configurable AG			✓	✓	✓			✓
-----	Tribomatic® 500 manual applicator			✓					
-----	Tribomatic wand			✓					
288563	Sure Coat, manual, standard, 4 m (13.1 ft)			✓	✓	✓		✓	
288564	Sure Coat, manual, standard, 8 m (26.2 ft)			✓	✓	✓		✓	
288565	Sure Coat, manual, standard, 12 m (39.4 ft)			✓	✓	✓		✓	
302116	Sure Coat, manual, standard, 4 m (13.1 ft)			✓	✓	✓		✓	
302117	Sure Coat, manual, standard, 8 m (26.2 ft)			✓	✓	✓		✓	
302118	Sure Coat, manual, standard, 12 m (39.4 ft)			✓	✓	✓		✓	
302119	Sure Coat, manual, short, 4 m (13.1 ft)			✓	✓	✓		✓	
302120	Sure Coat, manual, short, 8 m (26.2 ft)			✓	✓	✓		✓	
302121	Sure Coat, manual, short, 12 m (39.4 ft)			✓	✓	✓		✓	
302123	Sure Coat, manual, short, 4 m (13.1 ft)			✓	✓	✓		✓	
302124	Sure Coat, manual, short, 8 m (26.2 ft)			✓	✓	✓		✓	
302125	Sure Coat, manual, short, 12 m (39.4 ft)			✓	✓	✓		✓	
333751	Sure Coat, auto bar mount, negative kV	✓		✓	✓	✓			
1032224	Sure Coat, auto 6 ft tube mount, negative kV	✓		✓	✓	✓			
Continued...									

Part	Description	INERIS	CESI	CE	CSA	FM	FTZU	SIRA	USDA
1010698	Sure Coat, auto 4 ft tube mount, negative kV	✓		✓	✓	✓			
1010697	Sure Coat, auto 5 ft tube mount, negative kV	✓		✓	✓	✓			
1008645	Econo-Coat® manual gun, 6-meter cable				✓	✓	✓		
1053594	Prodigy Manual Gun			✓		A		✓	
1054037	Prodigy Auto Gun Bar Mount			✓		A			
1064320	N80 Manual Gun					A			
1069820	Vantage Manual Gun					A			
NOTE A: FM certified for USA and Canada.									

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