



America

# CERTIFICATE

No. U10 125057 0006 Rev. 00

**Holder of Certificate:** **Cost Effective Equipment, LLC**  
 6 Industrial Drive,  
 St. James MO 65559  
 USA

**Certification Mark:**



**Product:** **Electrical equ. for measurement, control and laboratory use**  
**Spin Coater / Developer**

**Tested according to:** CSA C22.2 No. 61010-1:2012/U4:2024-11  
 UL 61010-1:2012/R:2024-11  
 CSA C22.2 No. 61010-2-051:2019  
 UL 61010-2-051:2019/R:2023-09

This product was voluntarily tested to the relevant safety requirements referenced on this certificate. It can be marked with the certification mark above. The mark must not be altered in any way. The certificate holder shall not transfer this certificate to third parties. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC 17067. Certification is based on the TÜV SÜD "Testing, Certification, Validation and Verification Regulations (TCVVR)". For Canadian standards TÜV SÜD America Inc. is accredited by the Standards Council of Canada to ISO/IEC 17065.

**Test report no.:** 721012008A-000

**Date,** 2026-03-30

( Raymond Papa )



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**Model(s):**

d-b-Sgx-X

Where:

d: A for Apogee®

b: Can be F(Flange), X(Xpro), or FP(Flanged w/Panels

S: to denote Spin

g: can be either C for Coater or D for Developer

x: can be 2 (200 mm), 3 (450 mm), 4(750mm), or 5(1000mm) to denote the Spin coater/Devloper size

X: Can be either 1 for (100Vac-125Vac ) or 2 for (208-230Vac)

**Brand Name(s):**

**Cost Effective Equipment (Cee)**



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## Parameters:

For Apogee® Spin Coater/Developer (sm unit)

100-120V, 50/60Hz, 5.3-6A, 655W

208-230V, 50/60Hz, 6A, 655W

For Apogee® 450 Spin Coater/Developer big unit)

208-230V, 50/60Hz, 6A, 1440W

For Apogee® 750 Spin Coater/Developer big unit)

208-230V, 50/60Hz, 6A, 1440W

For Apogee® 1000 Spin Coater/Developer big unit)

208-230V, 50/60Hz, 6A, 1440W

Protection Class	Class I
Degree of Protection	IPX0
Ambient Temperature	10°C-30°C

## Model Matrix:

Apogee®					
Apogee®		S-Spin	C-Coater	2-200mm	1-100Vac-125Vac
	X-X-PRO		D-Developer	3-450mm	2-208-230Vac
	FP-Flanged w/Panels			4-750mm	2-208-230Vac
				5-1000mm	2-208-230Vac



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Condition of acceptability:

1. This component is intended for use in end product that is indoor, Class I, OVC II, PD2. Spin Coater and Developer Product is manufactured exclusively by Cost Effective Equipment, LLC. Installation for Models [A-F-SC2-1, A-F-SC2-2, A-F-SC3-2, A-F-SC4-2 A-F-SC5-2, A-F-SD2-1, A-F-SD2-2, A-F-SD3-2, A-F-SD4-2 A-F-SD5-2, A-FP-SC2-1, A-FP-SC2-2, A-FP-SC3-2, A-FP-SC4-2 A-FP-SC5-2, A-FP-SD2-1, A-FP-SD2-2, A-FP-SD3-2, A-FP-SD4-2 A-FP-SD5-2] is performed by qualified trained personnel with support from CEE. Installation for Models [A-X-SC2-2, A-X-SC3-2, A-X-SC4-2 A-X-SC5-2, A-X-SD2-2, A-X-SD3-2, A-X-SD4-2 A-X-SD5-2] is performed by qualified trained CEE personnel.
2. Models are intended for installation into products which are a workstation, wet bench, or glove box for Models [A-F-SC2-1, A-F-SC2-2, A-F-SC3-2, A-F-SC4-2 A-F-SC5-2, A-F-SD2-1, A-F-SD2-2, A-F-SD3-2, A-F-SD4-2 A-F-SD5-2, A-FP-SC2-1, A-FP-SC2-2, A-FP-SC3-2, A-FP-SC4-2 A-FP-SC5-2, A-FP-SD2-1, A-FP-SD2-2, A-FP-SD3-2, A-FP-SD4-2 A-FP-SD5-2] and Cee X-Pro II Workstation for Models [A-X-SC2-2, A-X-SC3-2, A-X-SC4-2 A-X-SC5-2, A-X-SD2-2, A-X-SD3-2, A-X-SD4-2 A-X-SD5-2].
3. Proper securement and suitability of mounting considerations to be taken in the end product evaluation.
4. Earth connections shall be considered in the end product installation.
5. Temperature test shall be evaluated as performed in end product installation after installation.
6. The terminals have not been evaluated for field connection. The acceptability of connections to these terminals, including temperature and secureness, shall be determined in the end-product installation.
7. Input test shall be considered in end product installation.
8. Risk of electric shock test shall be considered in end product installation.
9. Mechanical test shall be evaluated as performed in end product installation after installation.
10. Dielectric test shall be evaluated as performed in end product installation after installation.
11. Enclosure or housing is not evaluated as "fire enclosure". Enclosure requirements shall be evaluated in end-product installation. Considerations to be taken with reference to openings, IP ratings, ventilation and accessibility of live parts.
12. Manufacturing and production test requirements are to be taken in the end product standard.