

## CLIF MOCK™

# True Cut™ CD Series Sampler Controller

The Series Sampler Controllers are designed to be used specifically with C-22 Isokinetic Samplers. These units are available in four different configurations and are capable of pulse counting, timing, pacing from computer and sending out a loss of signal alarm. These units are equipped with an internal motor which is activated by the control card to rotate 180° to allow the “C” series sampler to take one sample per 180° of rotation.

The CD-20 A has four switches on the control card which can be enabled through a jumper wire to be either pulse counts or time in seconds. This allows the unit to be used for proportional to flow sampling by counting from 1 to 9,999 pulses. It also can be switched to a timer mode and will count from 3 to 9,999 seconds between samples.

The CD-20 Controller is most often used where P.L.C.’s or computers pace the sampler proportional to flow. This unit provides one sample per pulse from a prescaled source. The CD-20 SFA has the added feature of a sample failure alarm. A relay is deactivated if a sample command is not received within a preset period of time.

All of these units are easily attached directly to the sampler in the pipeline and require no other mounting hardware. They can be easily removed from the pipeline and have proven to be readily adaptable to most sampling applications.



## Specifications

### CD-20 A:

- Explosion proof – Class 1, Div. 1, Groups C & D
- Preset pulse counts – 1 to 9,999 pulses
- Signal input – dry contact closure or current sinking device
- Preset timer – 3 to 9,999 seconds
- 110 VAC, 220 VAC, 12 VDC, 24 VDC

### CD-20:

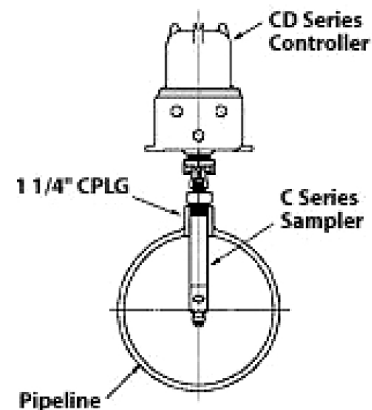
- 1 sample/contact closure from computer or pacing device
- 110 VAC, 220 VAC, 12 VDC, 24 VDC
- Explosion proof – Class 1, Div. 1, Groups C & D

### CD-20 SFA:

- Explosion proof – Class 1, Div. 1, Groups C & D
- Signal input – dry contact closure or current sinking device
- 110 VAC, 220 VAC, 12 VDC, 24 VDC
- Sample Failure Alarm

### CD-30 A (Canadian):

- Explosion proof – Class 1, Div. 1, Groups C & D (C.S.A. Certified)
- Preset pulse counts – 1 to 9,999 pulses
- Signal input – dry contact closure or current sinking device
- Preset timer – 3 to 9,999 seconds
- 110 VAC, 220 VAC, 12 VDC, 24 VDC



## Current Draw For Sampler Drive Controllers

Model	Power	Stop Mode	Running Mode	Peak Motor (Turn On) Current
CD-20	110 / 220 / 230 VAC	60 mA	150 mA	300 mA
CD-20 A	110 / 220 / 230 VAC	70 mA	170 mA	300 mA
CD-20 SFA	110 / 220 / 230 VAC	70 mA	170 mA	300 mA
CD-30 A	110 / 220 / 230 VAC	30 mA	130 mA	300 mA
CD-20	12 / 24 VDC	30 mA	.5 Amp	1 Amp
CD-20 A	12 / 24 VDC	30 mA	.5 Amp	1 Amp
CD-20 SFA	12 / 24 VDC	30 mA	.5 Amp	1 Amp
CD-30 A	12 / 24 VDC	30 mA	.5 Amp	1 Amp

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Formerly: NuFlo Measurement Systems • Barton Instrument Systems • Caldon, Inc.

NORTH  
AMERICA

**1.800.654.3760**

ms-us@c-a-m.com

ASIA  
PACIFIC

**65.6737.0444**

ms-asiapacific@c-a-m.com

EUROPE, MIDDLE EAST  
& AFRICA

**44.1243.826741**

ms-uk@c-a-m.com

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