

# CHEMICAL FEED CONTROLLER

# MODEL CF-12/1G CF-12/2G

The CF-12 is a stand alone interface module that automatically actuates a chemical feed pump when primary bulk fluid begins to flow.

This module can be used in isolated stand alone systems or part of large complex systems.

Model CF-12 is available for 120VAC, 50-60 Hz power as standard.

Available with 1 or 2 sets of receptacles.



**12' 16/3 AWG  
CORD LENGTH**

## KEY FEATURES

Working Temp	<b>180°F (82°C) Maximum</b>
Working Pressure	<b>250 psi (1.724 MPa)</b>
Process Connection	<b>3/4" NPT (1/2" Option Available)</b>
Electrical Switch	<b>SPNO</b>
Voltages	<b>120V 50/60 Hz</b>
Enclosure	<b>NEMA 3R / IP 14</b>

## TYPICAL USES

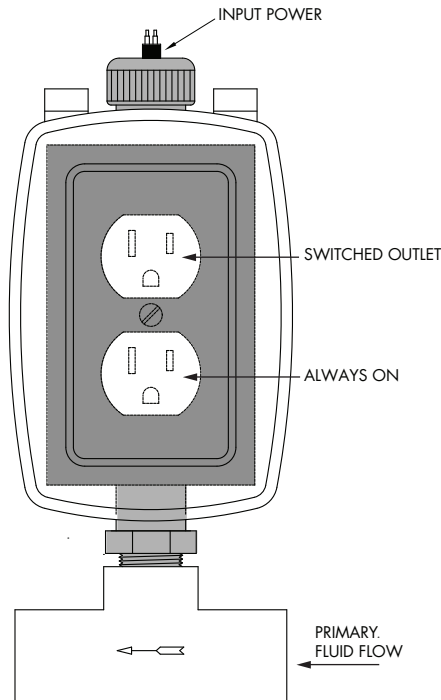
For metering and/or adding chemicals in both continuous and batch fluid systems such as:

- |                        |                                 |
|------------------------|---------------------------------|
| Well Water             | Cooling Tower pH/orp Control    |
| Drinking Water         | Metal Plating Make Up Solutions |
| Waste Fluid Processing | Boiler Treatment Additives      |

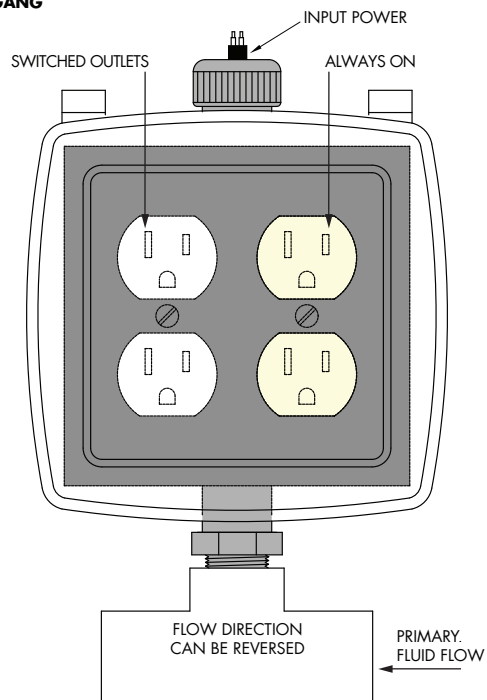
**ALSO SEE:**  
**CF-112: Light Duty**  
**CF-12: Medium Duty**  
**CF-8: Heavy Duty**

## PRODUCT DIAGRAM

**1 GANG**



**2 GANG**



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# MODEL CF-12/1G CF-12/2G

MODEL SELECTION CHART			
Flow Range (Water calibrated at 70°F / 21°C) Accuracy ±10%			
PRIMARY FLOW LINE SIZE	PRIMARY FLOW ON/OFF SET POINT (GPM)		CF-12N PART NUMBER
	ON	OFF	
¾"	0.9	0.8	CF-12N-75
1"	1.1	1.0	CF-12N-1
1½"	2.8	2.5	CF-12N-1.5
2"	4.9	4.4	CF-12N-2
Note: Consult factory for larger pipes and lower ON/OFF switch set points.			
SAMPLE PART NUMBER			
OPTION 1: CF-12N		/PIPE	/VOLT
BASE MODEL AND PART NUMBER		1	120
		PIPE SIZE	VOLTAGE

### WORKING PRESSURE

250 psi max. continuous

### WORKING TEMPERATURE

180°F max. continuous.

### SHOCK OPERATION

10g for 11ms with no contact open.

### SHOCK LIMIT

10g

### WETTED MATERIALS

Body and Bushing: Noryl® (PPO)  
(10% glass fibers)  
PVC Tee

Blade: 316 stainless steel  
Seal: Epoxy

### ELECTRICAL SWITCH CHARACTERISTICS

Feed pump motor maximum contact ratings.

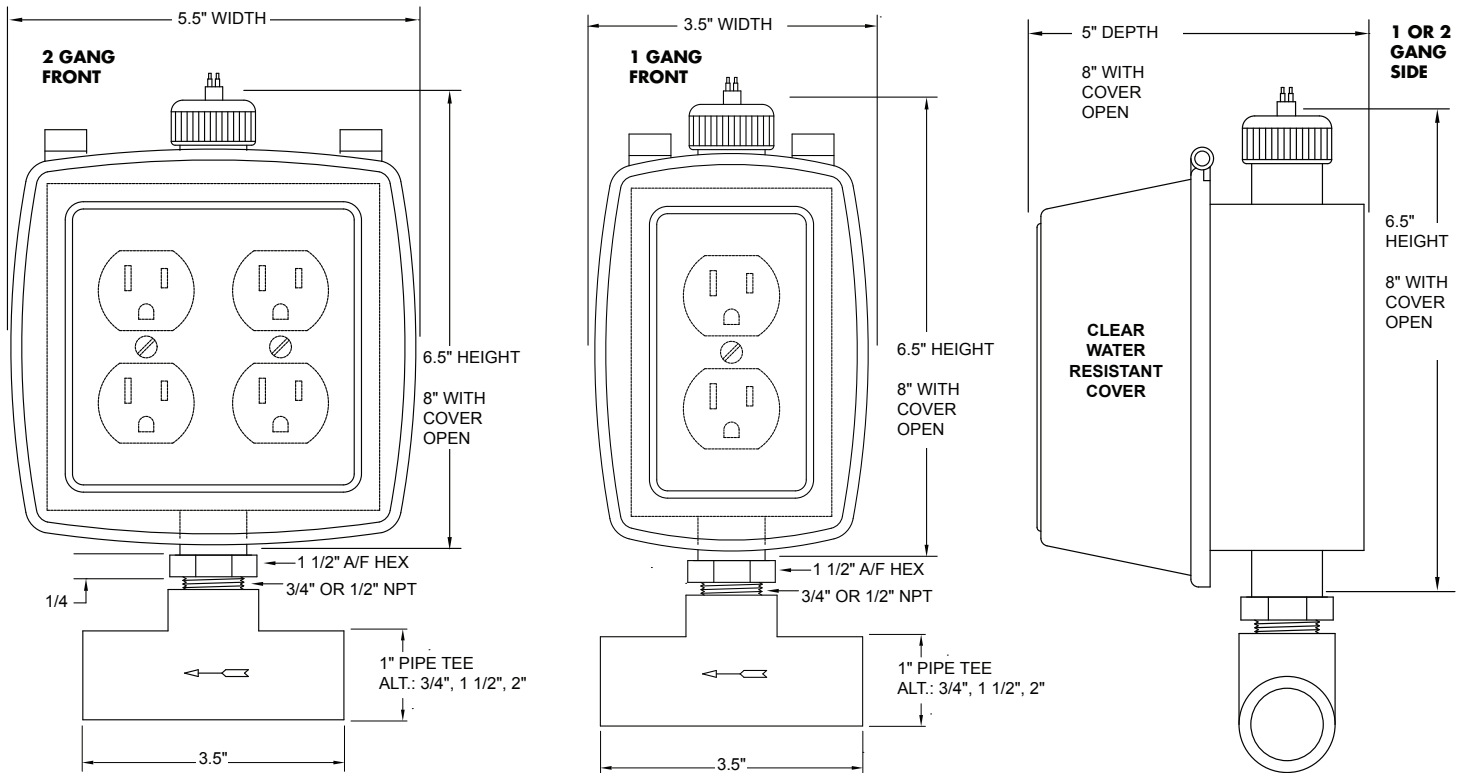
VOLTAGE: 120VAC

LOAD TYPE (RESISTIVE): 13A

MOTOR: ½ hp

SWITCH CONTACTS: SPNO

## INSTALLATION DIMENSIONS



- Installation drawing and a numbered parts list is supplied with each unit.
- Special one-day delivery is available.