

# 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>¾" NPT (½" Option Available)</b>
Electrical Switch	<b>SPNO</b>
Voltages	<b>120V 50/60 Hz</b>
Enclosure	<b>NEMA 3R / IP 14</b>

## TYPICAL USES

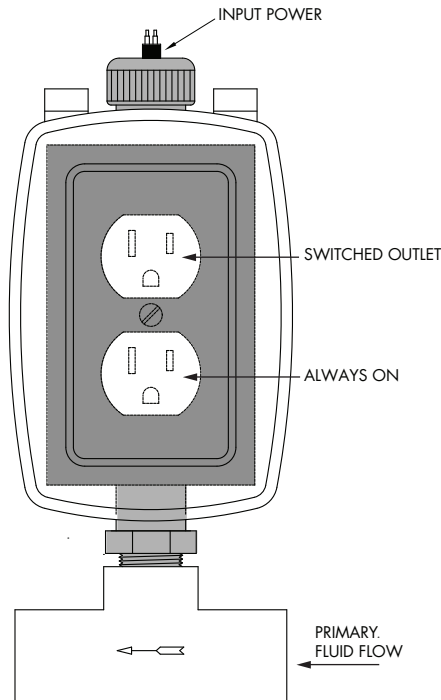
For metering and/or adding chemicals in both continuous and batch fluid systems such as:

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

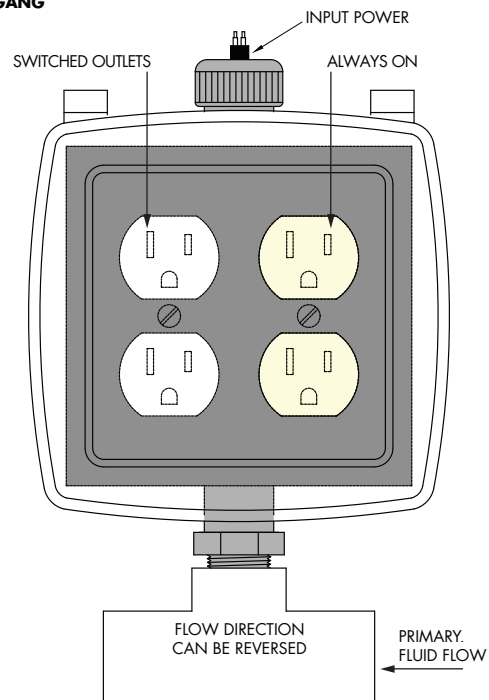
**ALSO SEE:**  
**CF-112: Light Duty**  
**CF-12: Medium Duty**  
**CF-8: Heavy Duty**

## PRODUCT DIAGRAM

**1 GANG**



**2 GANG**



541 Kinetic Drive  
 Oxnard, CA 93030  
 www.harwil.com  
 17.234

Phone: (805) 988-6800  
 Fax: (805) 988-6804  
 Email: harwil@harwil.com

# 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)		
	ON	OFF	
3/4"	0.9	0.8	
1"	1.1	1.0	
1 1/2"	2.8	2.5	
2"	4.9	4.4	
Note: Consult factory for larger pipes and lower ON/OFF switch set points.			
SAMPLE PART NUMBER			
	OPTION 1: CF-12N	/G	/PIPE
	BASE MODEL AND PART NUMBER	1G	1
		1G OR 2G	
			PIPE SIZE
			VOLTAGE

**EXAMPLE:** CF-12N/1G/1/120

### 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.

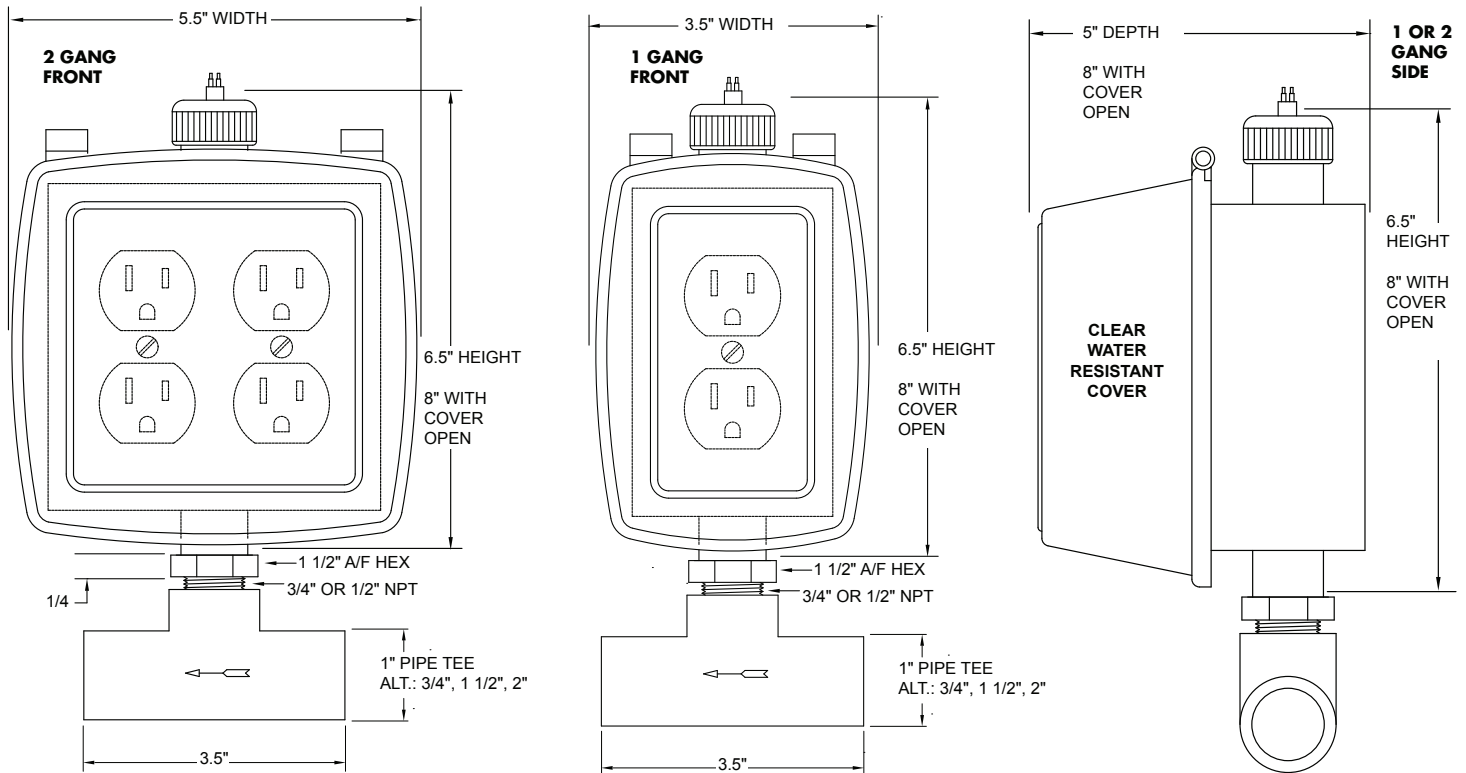
VOLTAGE: 120VAC

LOAD TYPE (RESISTIVE): 13A

MOTOR: 1/2 hp

SWITCH CONTACTS: SPNO

## INSTALLATION DIMENSIONS



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