CHEMICAL FEED CONTROLLER

The CF-8 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-8 is available for 120VAC, 50-60 Hz power as standard.

Available with 1 or 2 sets of receptacles.



MODEL CF-8/1G CF-8/2G



	indentence •	
KEY FEATURES		
Flow Range	5 - 80 GPM (18-302 L/m)	
Working Temp	180°F (82°C) Maximum	
Working Pressure	100 psig @ 180°F (466°F kPa)	
Process Connection	1" NPT	
Electrical Switch	SPDT, ½hp 13A or Dry Circuit	
Enclosure	NEMA 3R / IP 14	

TYPICAL USES

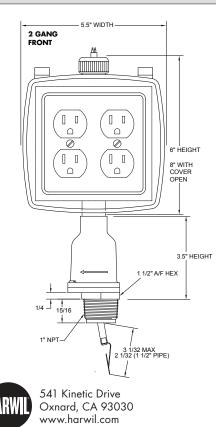
Monitoring fluid flow in:

Air Conditioning Systems Cooling in Data Centers Chillers Fluid Blending Systems Natural Gas Industrial Refrigeration Systems Pools and Spas Scrubbers Water Treatment Systems

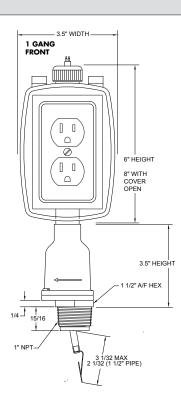
≈ TYPICAL WORKING FLUIDS

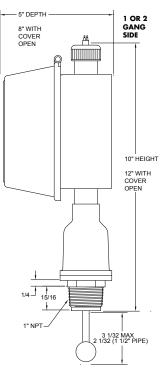
Filtered Sewage Water Mild Acids Rusty Coolant Water Waste Water Contaminated Ground Water Sulfolane Sea Water Pool Water (low ppm Chlorine)

⊿ INSTALLATION DIMENSIONS



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

MODEL SELECTION CHART

Flow Range (Water calibrated at 70°F / 21°C) Accuracy ±10%

PIPE SIZE NPT	NOMINAL ON/OFF SWITCH POINT RANGE (GPM)	SHAFT LENGTH	PADDLE NUMBER
ן"	5.0 - 3.0	-	10512
	9.6 - 7.5	1	2
	15.4 - 18.0	1	1
1 1⁄2″	12.0 - 9.5	-	10502
	14.2 - 11.8	2	3
	19.0 - 13.5	-	10570A
	22.5 - 19.0	2	2
	34.4 - 30.4	2	1
2"	14.4 - 10.2	-	10593
	16.5 - 11.0	-	10566
	25.8 - 21.8	2	3
	39.8 - 33.6	2	2
	58.0 - 50.8	2	1
3"	42.4 - 37.0	3	3
	55.6 - 49.8	3	2
	80.6 - 65.2	3	1
Call our c	ustomer support for a wider range o	f pipe sizes. (805) 98	88-6800

MODEL CF-8/

*** TECHNICAL SPECIFICATIONS**

HYSTERESIS (△ FLOW RATE TO ACTIVATE/DEACTIVATE SWITCH)

- \approx 10% at upper end of flow range
- \approx 30% at lower end of flow range

DIFFERENTIAL PRESSURE DROPS ACROSS UNIT

Under normal operating conditions:

- \approx 1"–3" pipe, less than 0.5 psi \approx 4"–10" pipe, negligible

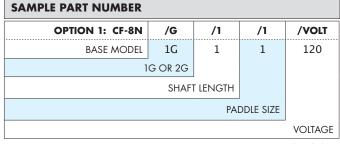
WORKING LINE PRESSURE:

50 psi max., operating @ 180°F 100 psi max. non-operating @ 180°F Pressure over 50 psi can affect the switch point range

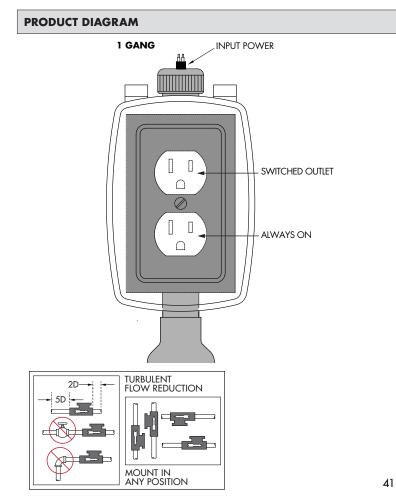
ELECTRICAL SWITCH CHARACTERISTICS

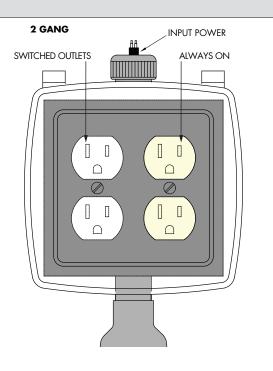
SPDT 13A, ½ hp @ 125VAC ½A @ 125VDC (tungsten lamp load)

10,000,000 Operations Median



EXAMPLE: CF-8N/1G/1/120





Installation drawing and a numbered parts list is

supplied with each unit. Special one-day delivery is available. •