

CHEMICAL FEED CONTROLLER

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

NON-MAGNETIC 

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.



12' 16/3 AWG
CORD LENGTH

KEY FEATURES

| | |
|--------------------|-------------------------------------|
| Flow Range | 5 - 80 GPM (18-302 L/m) |
| Working Temp | 180°F (82°C) Maximum |
| Working Pressure | 50 psig (344 kPa) @ 180°F |
| Process Connection | 1" NPT |
| Electrical Switch | SPDT, ½hp 13A or Dry Circuit |
| Enclosure | NEMA 3R / IP 14 |

TYPICAL USES

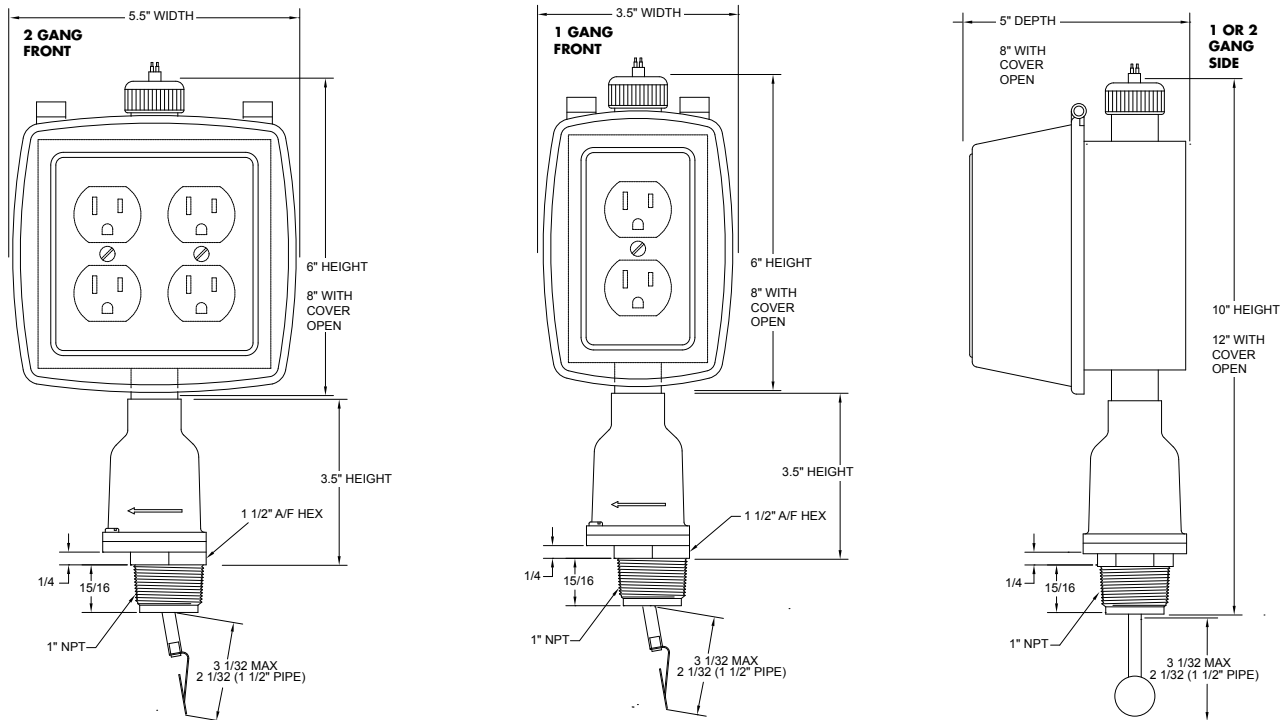
Monitoring fluid flow in:

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

TYPICAL WORKING FLUIDS

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

INSTALLATION DIMENSIONS



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v8.01

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

| MODEL SELECTION CHART | | | |
|--|---|--------------|---------------|
| Flow Range (Water calibrated at 70°F / 21°C) Accuracy ±10% | | | |
| PIPE SIZE | NOMINAL ON/OFF SWITCH POINT RANGE (GPM) | SHAFT LENGTH | PADDLE NUMBER |
| 1" | 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 customer support for a wider range of pipe sizes. (805) 988-6800

TECHNICAL SPECIFICATIONS

HYSTERESIS (Δ FLOW RATE TO ACTIVATE/DEACTIVATE SWITCH)

- ≈ 10% at upper end of flow range
- ≈ 30% at lower end of flow range

DIFFERENTIAL PRESSURE DROPS ACROSS UNIT

Under normal operating conditions:

- ≈ 1"-3" pipe, less than 0.5 psi
- ≈ 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

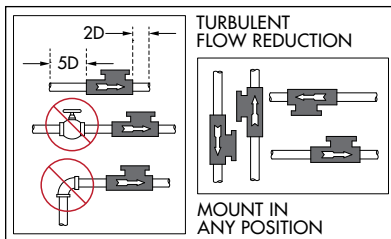
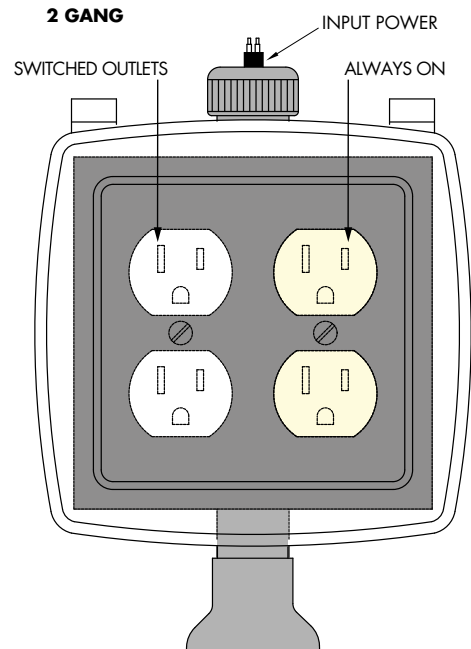
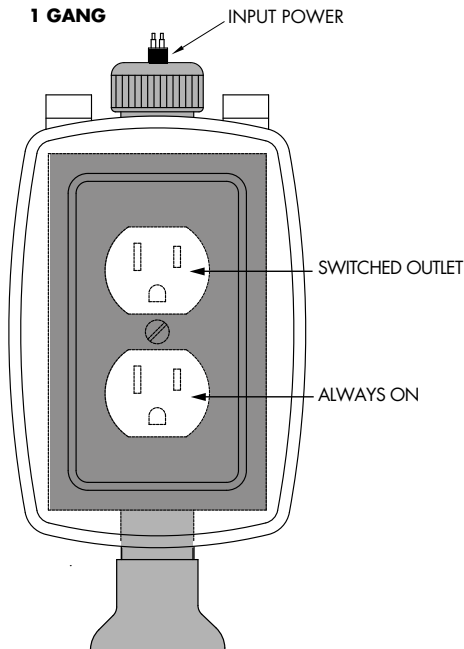
- SPDT 10,000,000 Operations Median
- 13A, 1/2 hp @ 125VAC
- 1/2A @ 125VDC (tungsten lamp load)

SAMPLE PART NUMBER

| | | | | |
|--|------------|----------|--------------|-------------|
| | CF-8 | -1G | /1 | /2 |
| | BASE MODEL | | | |
| | | 1G OR 2G | | |
| | | | SHAFT LENGTH | |
| | | | | PADDLE SIZE |

EXAMPLE: CF-8-1G/1/2

PRODUCT DIAGRAM



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