

# CFS-2

## CHEM-FEED® Aluminum Duplex Skid System



#### **Features**

- > The pre-fabricated design allows for easy installation
- > Strong, lightweight polyester powder coated welded aluminum structure
- > Dual side inlets enable connection of multiple skids to the same inlet
- > Flow Indicator provides a visual indication of chemical movement
- > Optional Flow Verification Sensor for monitoring system

### **Highlights**

Pipin	

PVC Schedule 80 (optional CPVC)

#### Frame material

Powder coated aluminum

**Pressure** 

150 PSI (10.3 bar)

#### **Mounting position**

Floor or wall

Compatibility

A1, A2, A3, A4, A100N, C2, C3, CD1, CD3

#### Warranty

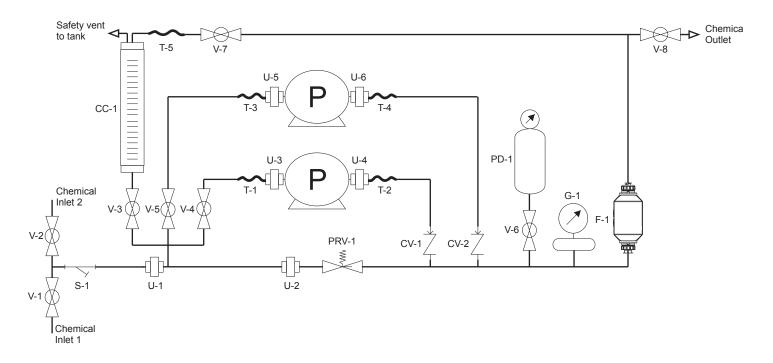
2 Years



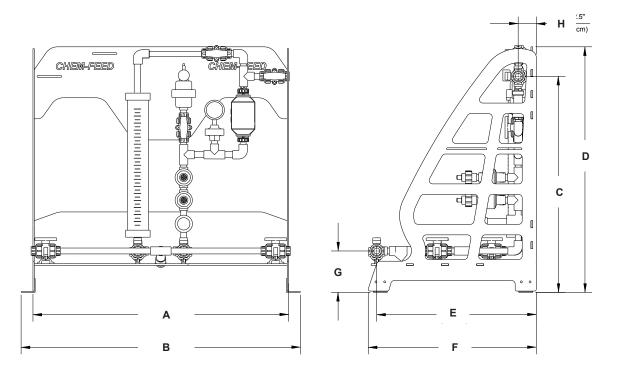
# **Engineering Specifications**

Skid	Chemically resistant polyester powder coated 6061 T6 aluminum				
	Welded joint construction				
Pumn (sold sonarataly)	FLEXFLO® A-100N, A1, A2, A3 or A4 peristaltic pumps				
Pump (sold separately)	CHEM-FEED® CD1, C2, C3, or CD3 diaphragm pumps				
Piping	PVC Schedule 80 (optional CPVC)				
Tubing (T)	Reinforced braided PVC, 200 Psi max, meets NSF std. 51. The pump inlet and outlet flexible tubing connections are terminated to half unions and secured to the barbed fitting with stainless steel clamps. The calibration cylinder fill				
Tubing Clamps	300 series SS band, 400 series SS screw				
Unions (U)	PVC body, schedule 80, FKM seals				
Ball Valves (V)	Vented type ball, True unions, PVC body, PTFE shaft bearings and seats, FKM seals				
Pressure Relief Valve (PRV)	PVC body, PTFE primary diaphragm seal. Non-wetted components: FKM secondary seal, zinc plated steel spring, stainless steel external hardware, HDPE pressure adjusting screw and locknut. Infinite adjustment from 5-100 psi. Maximum inlet pressure 150 psi.				
Calibration Cylinder (CC)	PVC body, PVC end caps, 1/4" ID tubing outlet vent. Available volumes: 1.6 GPH (100ml), 4 GPH (250ml), 8 GPH (500ml), 16 GPH (1000ml), 32 GPH (2000ml).				
Pulsation Dampener (PD)	CPVC body,10 cubic inch volume, FKM bladder (optional EPDM bladder)				
Gauge W/Guard (G)	Gauge: liquid filled stainless steel with blowout plug, bottom mount, 1/4" NPT threads. Available pressure ranges: 0-30 psi, 0-100, psi, 0-200 psi. Guard: PVC body, FKM diaphragm seal, temperature compensated oil filled.				
Check Valve (CV)	PVC body, FKM diaphragm (optional EPDM). Cracking pressure: 1.0-1.5 psi. Maximum working pressure: inlet = 150 psi, back = 100 psi.				
Flow Indicator (F)	Machined cast acrylic, PVC connections, ceramic ball, polypropylene ball stop, PVC half unions, FKM seals (optional EPDM)				
Y Strainer (S)	PVC body, FKM seals (optional EPDM)				
S6A Chemical Flowmeter (FVS)	PVDF & PEEK body, PVC socket weld connections, FKM seals (optional EPDM). Available working flow ranges: 10-5,000 ml/min (0.158 - 79.2 GPH) 100-10,000 ml/min (1.58 - 158.0 GPH)				
Universal Mounting Blocks	PA12				
Pump Extended Mounting Brackets	316 Stainless Steel				
Skid Mounting Foot Pads	316 Stainless Steel				
Mounting Hardware	18-8 Stainless Steel				
Drip Tray	Polypropylene,16" x 21" x 3" - 8 gallons (30.3 L) total containment				
Maximum Working Pressure	150 psig (10.3 bar)				
Operating Temperature	14 °F to 115 °F (-10 °C to 46 °C)				
Approximate Shipping Weight	70 lb. (31.8 Kg)				

## **Piping and Instrumentation Diagrams**



### **Dimensions**



Dim	Inch	cm	Dim	Inch	cm
Α	36.25"	92.10	E	22.75"	57.80
В	39.75"	101.00	F	24.00"	61.00
С	30.75	78.10	G	6.00"	15.20
D	35.00"	88.90	Н	2.50"	6.40

Model Number Matrix

#### CHEM-FEED® Engineered Skid System Model Number

Dual pump system - single chemical / single outlet Piping / Valves / Unions / Seal Materials CPVC piping, FKM seals, PVC piping, Е 1/2" ID PVC braided tubing connections 1/2" ID PVC braided tubing connections CPVC piping, CPVC piping, EPDM seals, В 1/2" ID PVC braided tubing connections 1/2" ID PVC braided tubing connections CPVC piping, FKM seals, PVC piping, С G 1/4" ID polyethylene tubing connections 1/4" ID Polyethylene tubing connections PVC piping, EPDM seals, CPVC piping, EPDM seals, 1/4" ID Polyethylene tubing connections 1/4" ID Polyethylene tubing connections Skid frame only without piping Structure Assembly Materials Chemical resistant powder coated aluminum stand with 316SS mounting pads Chemical Feed Flow Meter S6A12 chemical feed flow meter with meter mount display, 10-5,000 ml/min (0.158 - 79.2 GPH) F S6A22 chemical feed flow meter with meter mount display, 100-10,000 ml/min (1.58 - 158.0 GPH) 5 S6A11 chemical feed flow meter with remote display, 10-5,000 ml/min (0.158 - 79.2 GPH) 6 S6A21 chemical feed flow meter with remote display, 100-10,000 ml/min (1.58 - 158.0 GPH) X None **PVC** Calibration Cylinder Glass 32 GPH (2000 ml) Α 16 GPH (1000 ml) В Р С С Q 8 GPH (500 ml) D 4 GPH (250 ml) D R S Е Ε 1.6 GPH (100 ml) None **Pulsation Dampener** 10 cubic inch, CPVC body, PTFE diaphragm None Pressure Gauge w/Guard 200 PSI gauge, PTFE diaphragm С 30 PSI gauge, PTFE diaphragm 100 PSI gauge, PTFE diaphragm Miscellaneous Options (leave blank if not specified) Isolation ball shut-off valves at check valves R Outlet plumbing and calibration column position switched 2 Install two specific pump models on the skid and perform pressure and fluid testing CFS-2 Α Sample Model Number

NOTE:

id systems ship with the following in/out union connections: 1/2" PVC female NPT, 1/2" PVC slip glue.

