

# CFPS-2-M

## CHEM-FEED® Plastic Duplex Skid System



### Features

- > Chemically resistant polyethylene structure
- > Leak free, threadless connections
- > Pressure Relief Valve protects the system from over-pressurization
- > Check Valve protects the user from back-flow
- > Flow Indicator provides a visual indication of chemical movement

Video link: 

### Highlights

#### Piping

PVC Schedule 80  
(optional CPVC, PVDF,  
and Chem Proline® PE)

#### Pressure

150 PSI  
(10.3 bar)

#### Compatibility

M1, M2, M3, M4,  
MD1, C2, C3, MD3

#### Frame material

Polyethylene

#### Mounting position

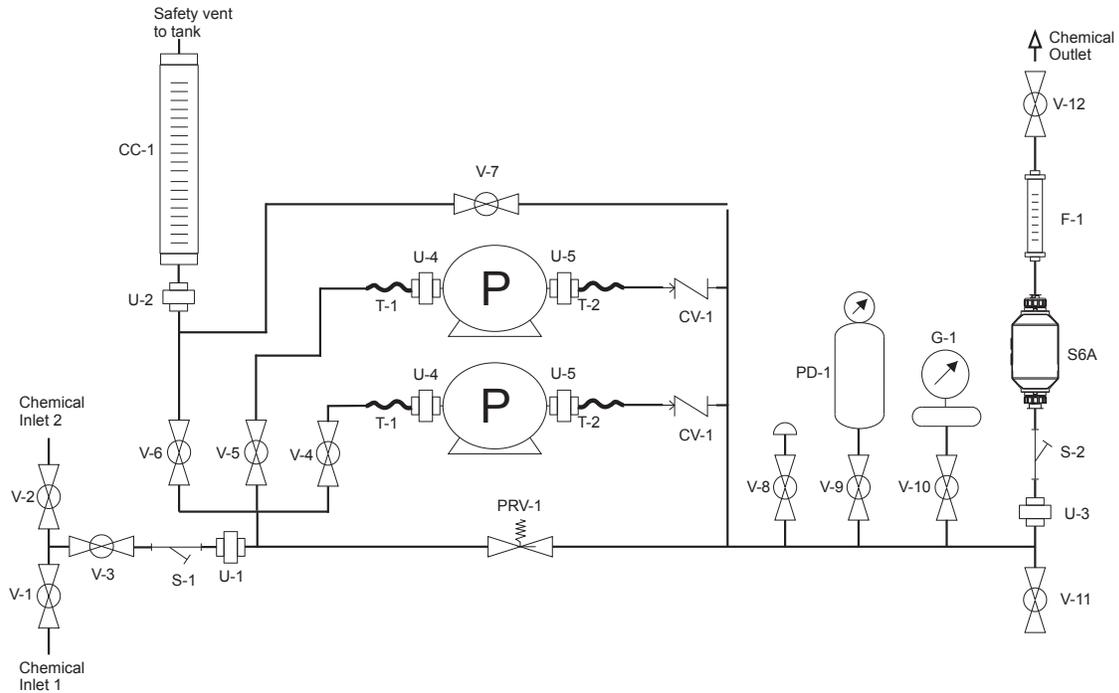
Floor or wall

#### Warranty

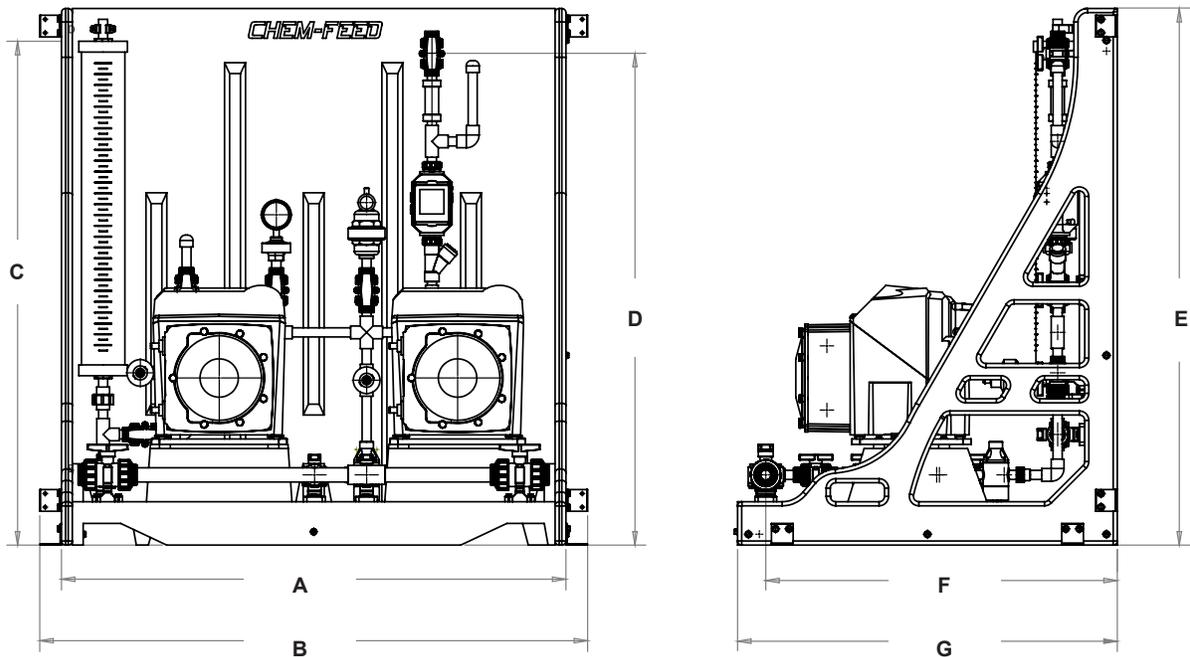
2 Years



<b>Skid</b>	Chemically resistant polyethylene structure
<b>Pump (sold separately)</b>	FLEXFLO® M1, M2, M3 or M4 peristaltic pumps CHEM-FEED® MD1, C2, C3 or MD3 diaphragm pumps
<b>Piping</b>	1" Inlet & 1/2" outlet PVC schedule 80 (optional CPVC, PVDF, Chem Proline®)
<b>Seals</b>	FKM seals (optional EPDM)
<b>Tubing (T)</b>	Reinforced braided PVC, 200 psi max, certified NSF 51 / NSF 61. The pump inlet and outlet flexible tubing connections are terminated to half unions and secured to the barbed fitting with stainless steel clamps. (Optional: 1/2" PTFE, 1/4" PE, 1/4" PTFE)
<b>Tubing Clamps</b>	300 series SS band, 400 series SS screw
<b>Unions (U)</b>	PVC body, schedule 80 (optional CPVC, PVDF)
<b>Ball Valves (V)</b>	True unions, PVC body, PTFE shaft bearings and seats (optional CPVC, PVDF)
<b>Pressure Relief Valve (PRV)</b>	PVC body, PTFE primary diaphragm seal. Non-wetted components: EPDM secondary seal, zinc plated steel spring, stainless steel external hardware, HDPE pressure adjustment screw. Infinite adjustment from 10-150 psi. (optional CPVC, PVDF)
<b>Calibration Cylinder (CC)</b>	PVC body, PVC end caps, 1/2" PVC pipe outlet vent Available volumes: 3 GPH (100ml), 8 GPH (250ml), 16 GPH (500ml), 32 GPH (1000ml), 64 GPH (2000ml), and 132 GPH (4000ml)
<b>Pulsation Dampener (PD)</b>	CPVC body, 10 cubic inch volume (optional PVDF)
<b>Gauge W/Guard (G)</b>	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, temperature compensated oil filled. (optional CPVC, PVDF)
<b>Check Valve (CV)</b>	PVC body. Cracking pressure: 1.0-1.5 psi Maximum working pressure: inlet = 150 psi, back = 100 psi (optional CPVC, PVDF)
<b>Flow Indicator (F)</b>	Machined cast acrylic, PVC connections, ceramic ball, PVDF ball stop, PVC half unions.
<b>Y Strainer (S)</b>	PVC body, 1/32" Mesh (optional CPVC, PVDF)
<b>Pressure Switch (PSH)</b>	316 Stainless Steel
<b>Back-Pressure Valve (BPV)</b>	PVC body, 0-150 PSI Range (optional CPVC, PVDF)
<b>Universal Mounting Blocks</b>	PA 12
<b>Pump Extended Mounting Brackets</b>	316 Stainless Steel
<b>Skid Mounting Foot Pads</b>	316 Stainless Steel
<b>Mounting Hardware</b>	304 Stainless Steel - Wall or Floor mounting acceptable
<b>Maximum Working Pressure</b>	150 psig (10.3 bar)
<b>Operating Temperature</b>	14 °F to 115 °F (-10 °C to 46 °C)
<b>Containment Volume</b>	2.9 gal (11.4L) - Integral to skid. 1/4" FNPT drain port.
<b>Maximum Overall Dimensions</b>	46.5"W x 49.4"H x 35"D (118.11W x 125.73H x 88.9D cm)
<b>Approximate Shipping Weight</b>	Standard: 120 lb. (54 Kg) with mounted pumps: 140-240 lbs (109 Kg)



## Dimensions



Dim	Inch	cm	Dim	Inch	cm
A	46.50"	118.11	E	49.50"	125.73
B	50.50"	128.27	F	32.40"	82.30
C	46.47"	118.04	G	35.00"	88.90
D	45.37"	115.24			

# Model Number Matrix

CFPS-2-M

## CHEM-FEED® Duplex Skid System Matrix - Municipal

<b>CFPS-2</b>	Dual pump system - PE structure																		
<b>Inlet/Outlet</b>																			
<b>A</b>	Single Inlet / Single Outlet																		
<b>B</b>	Single Inlet / Dual Outlet																		
<b>X</b>	None, Skid Panel Only																		
<b>Piping/Unions</b>																			
<b>A</b>	PVC				<b>B</b>	CPVC				<b>C</b>	PVDF				<b>D</b>	Chem Proline®			
<b>Seals</b>																			
<b>V</b>	FKM				<b>E</b>	EPDM													
<b>Tubing Connections</b>																			
<b>A</b>	1/2" ID PVC Braided				<b>B</b>	1/2" ID PTFE				<b>C</b>	1/4" ID PE				<b>D</b>	1/4" ID PTFE			
<b>Calibration Column</b>																			
<b>A</b>	128 GPH (4000 ml) PVC				<b>F</b>	3 GPH (100 ml) PVC													
<b>B</b>	64 GPH (2000 ml) PVC				<b>P</b>	32 GPH (1000 ml) Glass													
<b>C</b>	32 GPH (1000 ml) PVC				<b>Q</b>	16 GPH (500 ml) Glass													
<b>D</b>	16 GPH (500 ml) PVC				<b>R</b>	8 GPH (250 ml) Glass													
<b>E</b>	8 GPH (250 ml) PVC				<b>S</b>	3 GPH (100 ml) Glass													
<b>Pulsation Dampener</b> (One dampener provided. Contact factory for second dampener.)																			
<b>P</b>	10 cubic in				<b>X</b>	Not Included													
<b>Back Pressure Valve</b>																			
<b>B</b>	Included				<b>X</b>	Not Included													
<b>Pressure Gauge w/Guard</b>																			
<b>A</b>	200 PSI				<b>B</b>	100 PSI				<b>C</b>	30 PSI								
<b>Pressure Switch w/Guard</b>																			
<b>S</b>	Included				<b>X</b>	Not Included													
<b>Flow Meter w/Strainer</b>																			
<b>A</b>	10-5000 ml/m				<b>B</b>	100-10000 ml/m													
<b>X</b>	Not Included																		
<b>Terminal Box</b>																			
<b>TA</b>	M3S/M4S/MD3S				<b>TD</b>	M3/M4/MD3 (Legacy)													
<b>TB</b>	M1/MD1				<b>X</b>	Not Included													
<b>TC</b>	M2/C2/C3																		
<b>Pumps</b>																			
<b>P</b>	Mounted*				<b>X</b>	Not Included													
*reference Adapter Kits Sheet 85000-198 when ordering with pumps utilizing "M = 1/2"MNPT " or "F = 1/2"FNPT" connections.																			
<b>CFPS-2</b>	<b>M</b>	<b>A</b>	<b>A</b>	<b>V</b>	<b>A</b>	<b>-</b>	<b>A</b>	<b>P</b>	<b>B</b>	<b>A</b>	<b>S</b>	<b>A</b>	<b>TA</b>	<b>P</b>	<b>Sample Model Number</b>				

**NOTE:** When ordering pumps for skids, pump head orientation is standard LEFT facing only. \*When ordering skid with pumps of different model numbers, please include complete model number of each pump and location on skid with order. Contact factory for quote/pricing on 5-point performance testing.