

# CFWS-2

## CHEM-FEED® Wall Mount 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
- > Optional Flow Sensor for monitoring chemical flow
- > Included handles for easy installation

Video link: 

### Highlights

#### Piping

PVC Schedule 80  
(optional CPVC, PVDF,  
and CHEM PROLINE®)

#### Pressure

150 PSI  
(10.3 bar)

#### Compatibility

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

#### Frame material

Polyethylene

#### Mounting position

Wall

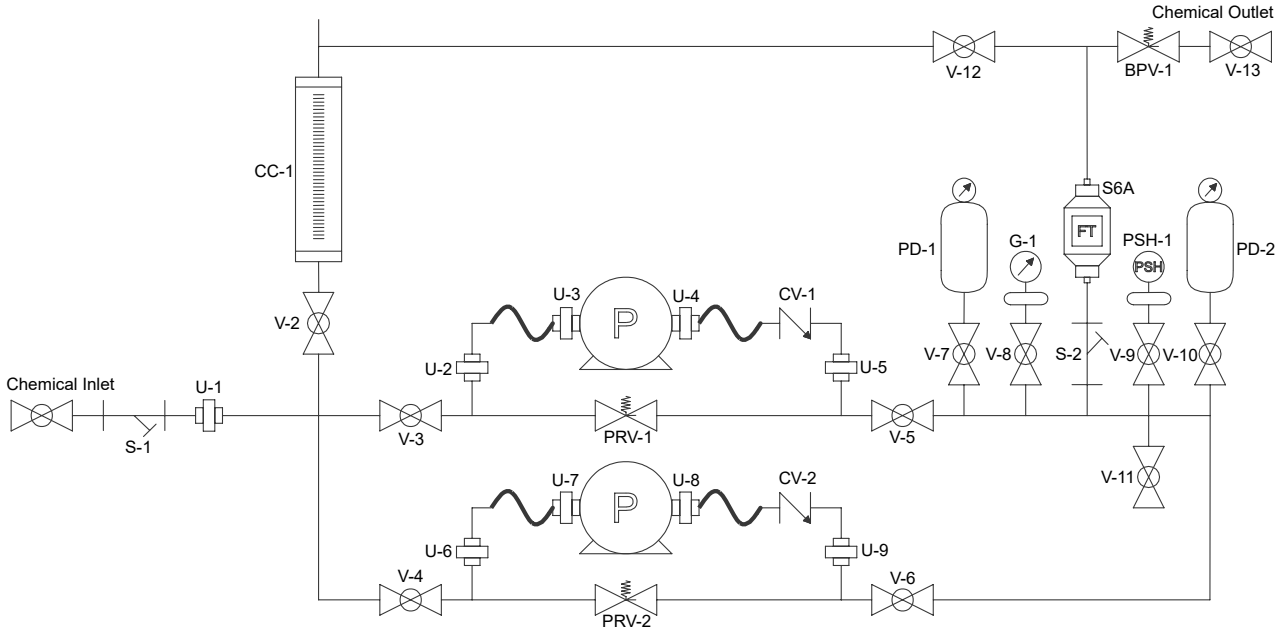
#### Warranty

2 Years

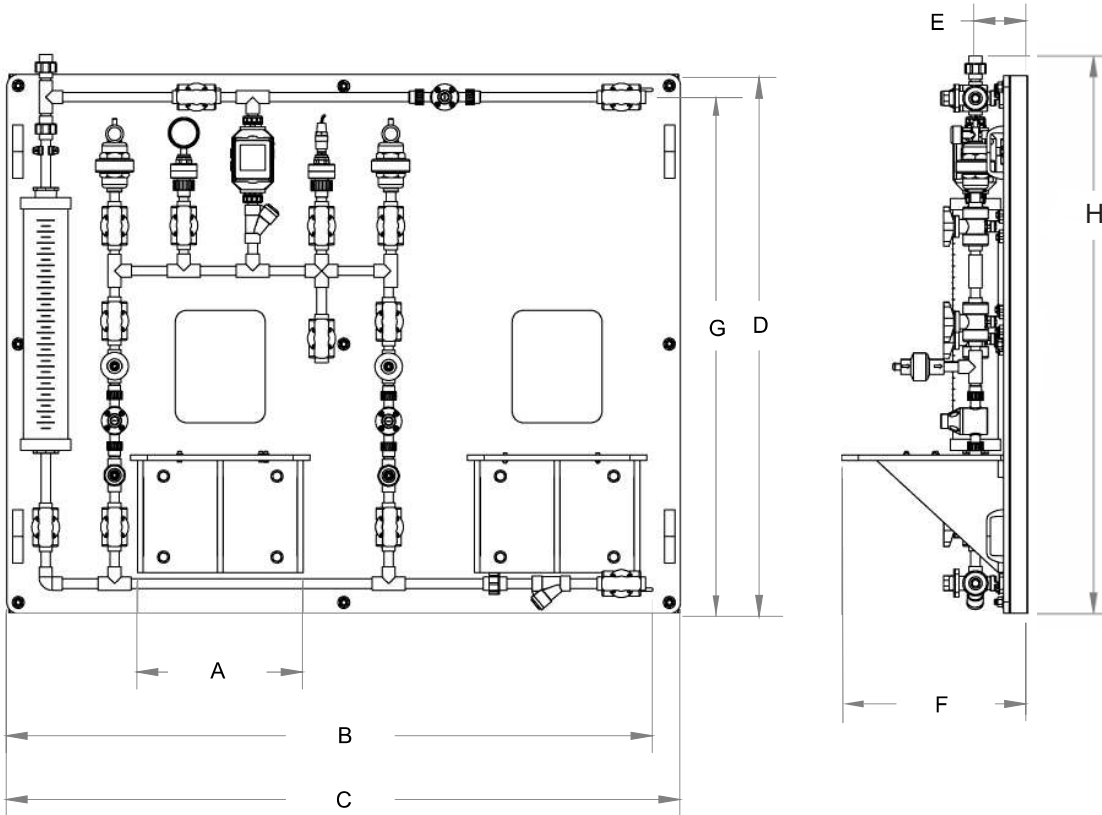


<b>Skid</b>	Chemically resistant polyethylene structure
<b>Pump (sold separately)</b>	FLEXFLO® M1, M2, M3 or M4 peristaltic pumps CHEM-FEED® MD1, C2, C3 or MD3 diaphragm pumps
<b>Piping</b>	1/2" PVC Schedule 80 (optional CPVC, PVDF, CHEM PROLINE®)
<b>Seals</b>	FKM seals (optional EPDM)
<b>Tubing (T)</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, Vented, 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 128 GPH (4000ml). (Optional Glass)
<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: 0-60 psi, 0-160, psi, 0-300 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 Sensor (MS6)</b>	Available Flow Ranges: 10 - 5,000 ml/min, 100-10,000 ml/min
<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 Mounting Brackets</b>	316 Stainless Steel
<b>Skid Mounting Strut</b>	FRP
<b>Mounting Hardware</b>	304 Stainless Steel
<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>Maximum Overall Dimensions</b>	60" W x 50.19" H x 16.5" D (152.4W x 127.5H x 41.9D cm)
<b>Skid Weight</b>	80 lb. (Not including pumps)
<b>Approximate Shipping Weight</b>	350 lb. (159 kg) (Pumps ship separately)
<b>Approximate Shipping Dimensions</b>	68" x 56" x 24" (Pumps ship separately)

# Piping and Instrumentation Diagrams



## Dimensions



Dim	Inch	cm	Dim	Inch	cm
A	14.75"	37.5	E	4.63"	11.70
B	57.53"	146.1	F	16.50"	41.9
C	60.00"	152.4	G	46.63"	118.4
D	48.00"	121.9	H	50.19"	127.5

# Model Number Matrix

CFWS-2

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

<b>CFWS-2</b>													Duplex pump system - single chemical / single outlet, PE structure																								
<b>Inlet/Outlet</b>																																					
<b>A</b>		Single Inlet / Single Outlet																																			
<b>X</b>		None, Skid Panel Only																																			
<b>Piping/Unions</b>																																					
<b>A</b>		PVC										<b>C</b>		PVDF																							
<b>B</b>		CPVC										<b>D</b>		CHEM PROLINE®																							
<b>Seals</b>																																					
<b>V</b>		FKM										<b>E</b>		EPDM																							
<b>Tubing Connections</b> (Verify tubing connection matches pump outlet when ordering)																																					
<b>A</b>		1/2" ID PVC Braided										<b>C</b>		1/4" ID PE																							
<b>B</b>		1/2" ID PTFE										<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>		6 GPH (200 mL) Glass																							
<b>E</b>		8 GPH (250 mL) PVC										<b>S</b>		3 GPH (100 mL) Glass																							
<b>Pulsation Dampener</b> (10 cubic in.)																																					
<b>P</b>		Two Dampeners										<b>D</b>		One Dampener										<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>		300 PSI										<b>B</b>		160 PSI										<b>C</b>				60 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/min																																			
<b>B</b>		100-10000 mL/min																																			
<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>CFWS-2</b>		<b>M</b>		<b>A</b>		<b>A</b>		<b>V</b>		<b>A</b>		<b>A</b>		<b>P</b>		<b>B</b>		<b>A</b>		<b>S</b>		<b>A</b>		<b>X</b>		<b>X</b>		<b>Sample Model Number</b>									

**NOTES:** When ordering pumps for skids, pump head orientation is standard LEFT facing only. Terminal Boxes quoted and mounted separately. All skids are pressure tested prior to shipment. Pumps are purchased and shipped separately. Contact factory for quote/pricing on 5-point performance testing. **Customer is responsible for ensuring skid components are compatible with any chemicals being used.**

P.N. #85000-183 CFWS-2-M REV 11 20260507

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