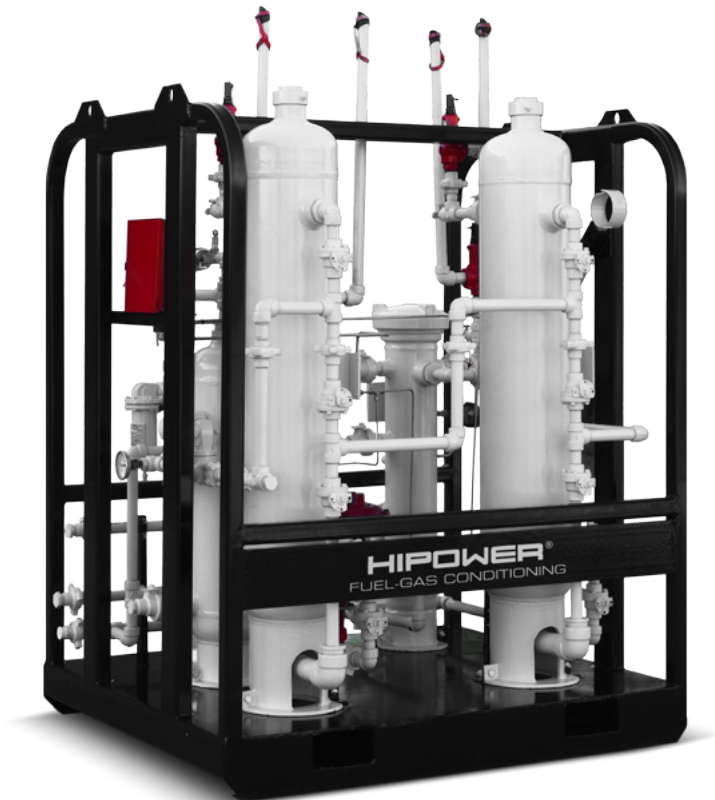




## HIPOWER Unprocessed Gas Conditioning System FCS - 25, 50, 100, 250, 500



### General Description

The FCS-25, -50, -100, -250 and -500 portable passive dehydration systems are skid mounted on a heavy duty carbon steel frame to resist extreme handling with large forklift pockets and 360 degrees overall protection. The outdoor rated components are NEMA 3R and the pressure vessels are ASME coded. The equipment can also be designed and manufactured to meet CSA and CE code requirements as well.

This advanced equipment is designed primarily to process raw natural gas as well as to remove

water, condensates and particulates from well head streams to provide a clean, dehydrated and consistent BTU for utilization in high speed natural gas engines and other Bi-Fuel applications that require a safe clean gas.

The compact modular Gas Conditioning system design allows easy access to the vessel for routine maintenance and yet protects the entire component from direct contact with forklifts, cranes, skid loaders and other types of equipment mobility devices.



## HIPOWER Unprocessed Gas Conditioning System FCS - 25, 50, 100, 250, 500

### Benefits

The Fuel Conditioning Systems are commonly utilized at the compressor gathering points to filter the fuel as well as to regulate the incoming pressure to an operating pressure for permanent and mobile natural gas power generation mobile sets. The system can treat contaminants, fine particles, natural gas liquids and water content in the natural gas stream. Alternative methods of dehydration are becoming increasingly important; the FCS-25, -50, -100, -250 and -500 get the job done using a low cost, Eco-friendly desiccant formula called enviro-DRI. The product absorbs the mois-

ture and dissolves it into a brine solution that is drained to the water storage on location. Unlike the by-products of competing dehydration equipment such as the glycol unit, the by-product of the FCS units is a non-hazardous liquid material that can be retrieved by any vacuum truck. The system is designed to be refilled on a 30-60 day service cycle schedule. This state of the art modular design will effectively handle any fluctuations of various well volumes and flow rates below design specifications.

### Main Components

- Pre-liquid separator.
- Dehydrators.
- Pre-regulator.
- Coalescent filter to catch impurities.
- JT Valve.
- Cold Separator.
- Contingency "Back Up" regular on the output side.

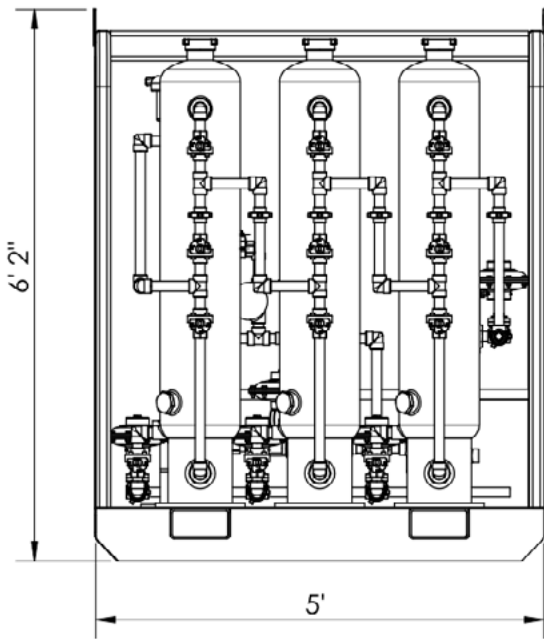
### Features

- Outdoor rated NEMA 3R.
- Powder coated carbon steel protective frame.
- Large forklift pockets and heavy duty lifting eyelets.
- Industry standard (NPT) in and out piping hookups.
- Safely and easily dehydrates gas stream.
- Efficiently separates and captures valuable NGLs.
- Maximizes production and minimizes compressor downtime.
- Uses non-hazardous desiccant with zero flames.
- ASME coded pressure vessels.
- Cost effective and increases engine runtime.
- Easy to maintain and operate.
- Safe for personnel with no moving parts or fired vessels.
- Eco-Friendly "Environmental Safe" desiccant formula.

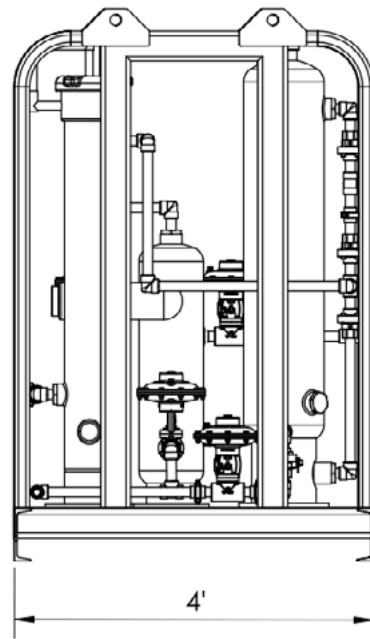


# HIPOWER Unprocessed Gas Conditioning System FCS - 25, 50, 100, 250, 500

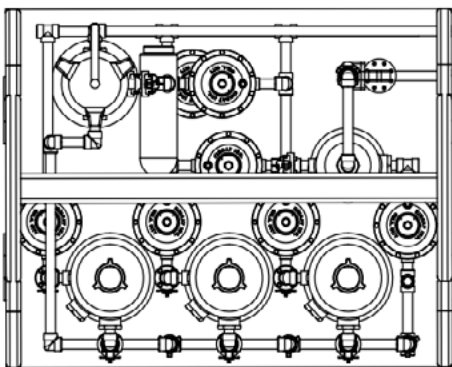
## Dimensions\*



Front View



Left Side View



Upper View

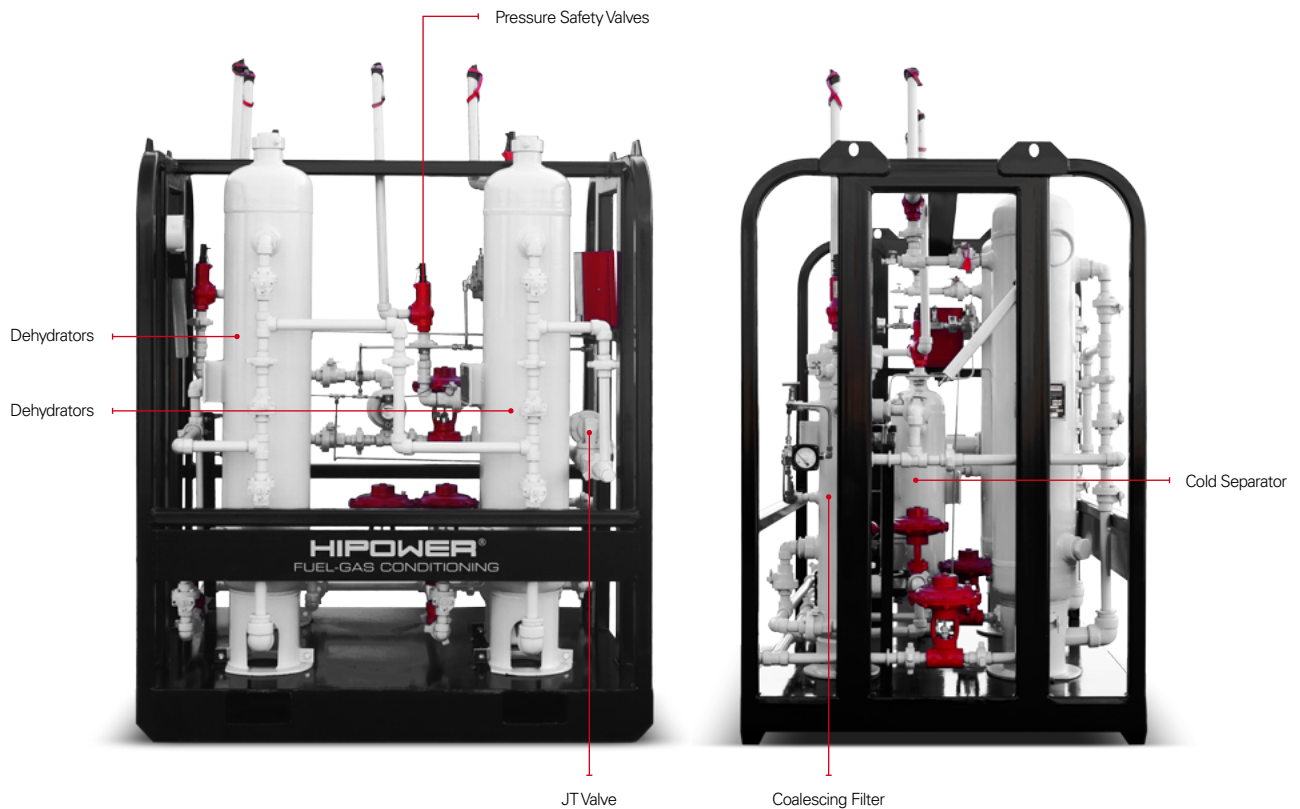
\*Actual model size and dimensions are based upon unit ordered requirements.

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# HIPOWER Unprocessed Gas Conditioning System FCS - 25, 50, 100, 250, 500

## Technical Features & Details



Unit Name	Gas Volume (Mcf/d)	Estimated Weight (Lbs)	Dimensions LxWxH	General Applications Hipower Model Number
FCS-25 Series	25	1200	5' x 4' x 6'2"	All HIPOWER Models
FCS-50 Series	50	1600	5' x 4' x 6'2"	HRGM 25, HRGM 30, HRGM 45 HRGM 55, HRGM 65, HRGM 85
FCS-100 Series	100	2000	5' x 4' x 6'2"	HRGM 165, HRGM 170, HRGM 230 & below
FCS-250 Series	250	3500	5' x 4' x 6'2"	All HIPOWER Models
FCS-500 Series	500	12,500	14' x 8' x 11'	All HIPOWER Models Compressor Stations