

PASSIVE DEHYDRATION SYSTEM (PDS®)



Zero Operational Emissions and No Moving Parts

Raw natural gas requires dehydration in order to avoid the formation of hydrates, reduce corrosion, and meet sales specification before it is sent downstream. CROFT's Passive Dehydration System (PDS®) is a safe, easy and effective way to dehydrate the gas stream.

BENEFITS

- ✓ No air permits required.
- ✓ Operational lifespan 25+ years.
- ✓ Reduced operating costs.
- ✓ Safe for personnel with no moving parts or fired vessels.
- ✓ Unlimited turndown volume capacity.
- ✓ Proven industry-leading design and construction.
- ✓ Stock units available for quick delivery.
- ✓ Pre-engineered modular design speeds startup.
- ✓ Regional service technicians provide prompt and professional service, support and spare parts.



SPECIFICATIONS

- ✓ ASME U-Stamped 1440 WP Pressure Vessels.
- ✓ Simple in, out and drain connections.
- ✓ OSHA compliant skids and platforms.
- ✓ Rugged oilfield skids.

CROFT Utilizes **enviroDRI** to safely and economically dehydrate gas and liquid hydrocarbon streams.

DEHYDRATING WITH INTEGRITY

EPA STATES A 99% REDUCTION IN METHANE EMISSIONS BY USING A DESICCANT DEHYDRATOR OVER A GLYCOL DEHYDRATOR.



SAFETY



ENVIRONMENTAL



ECONOMICS

Why choosing a CROFT PDS is the right thing to do:

SAFETY

- ✓ No Flame.
- ✓ No hot liquid glycol.
- ✓ No moving parts.
- ✓ No hazardous emissions.
- ✓ OSHA compliant skids and platforms.

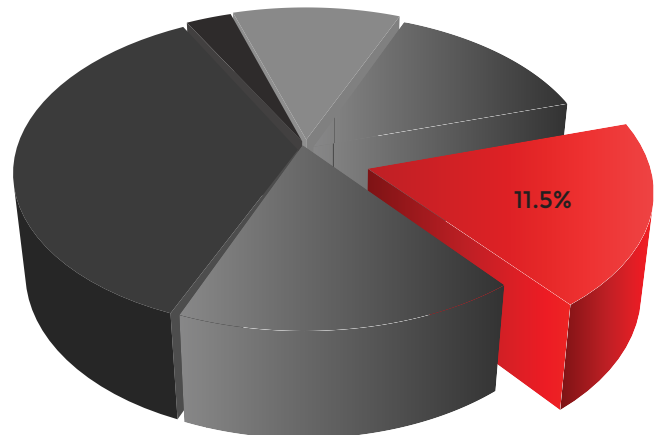
ENVIRONMENTAL

- ✓ No air permit requirements.
- ✓ Does not emit BTEX, VOC's and HAP's.
- ✓ Utilizes an earthen nonhazardous desiccant, enviroDRI.
- ✓ Accepted on wildlife refuges.
- ✓ No flame or burner hazard.

ECONOMICS

- ✓ +25 Year unit life expectancy.
- ✓ No fuel gas losses.
- ✓ No pump losses.
- ✓ No venting or emission losses.
- ✓ Minimal operational maintenance required.
- ✓ Predictable operation.

Methane Emissions in O&G Production Sector



EPA states that dehydrators and pumps equate up to 12 Bcf of Methane emissions or 11.5% of the total production sector.



For more information on why you should replace a TEG with the CROFT PDS please refer to our blog: WWW.CROFTSYSTEMS.NET/OIL-GAS-BLOG