

Q16.1 PSA-HCarbon Methane Purification System



Features:

- Recovers methane from lean natural gas;
- Specialty adsorbent for concentrating methane for heat/power generation and pipeline use;
- Application: concentrates 3-20% CH₄ to over 40% so that it can be reused as fuel or injected in natural gas pipeline.

Options:

- Pre-treatment for condensates and acidic gas (CO₂/H₂S);
- Front end and post compression;
- CH₄ incinerator (for heat recovery) and lean burn generator (for power recovery).

Specification/ Model	Q16.1 PSA-HCarbon
Minimum CH₄ Content in Feed	>3% (vol)
CH₄ Product Purity	> 40%, up to 99% (vol)
Feed Gas Flow Rate	20-3,000 SCFM
Raw Feed Pressure	0-740 psig
Typical CH₄ Recovery Rate	~93%
Quantity of Vessels	4-12 based on performance requirement
Typical differential pressure	10 psig
Contaminants to be removed	N ₂ , H ₂ O, other inert gases
Material of Construction	Carbon or stainless steel
Hazardous Area Classification	Class I, Zone 2, Group B/ATEX Zone II
Code compliance	ASME, CRN, PED
Electrical Requirement	480V/60Hz/3ph

This solution represents a breakthrough for the natural gas industry.
Call +1 604 222 5539 to connect with our technical/sales staff.