

## Standard Enclosed Combustion Devices (ECD) For the Upstream Shale Basins

### GENERAL:

- Pre-engineered combustor systems to reduce cost and improve delivery
- Multiple flare sizes to suit the customer's application
- EPA OOOOa compliant
- Smokeless Combustion
- 98%+ VOC destruction efficiency
- Provides ground based, completely hidden combustion process

### SELECTION CRITERIA / ADVANTAGES

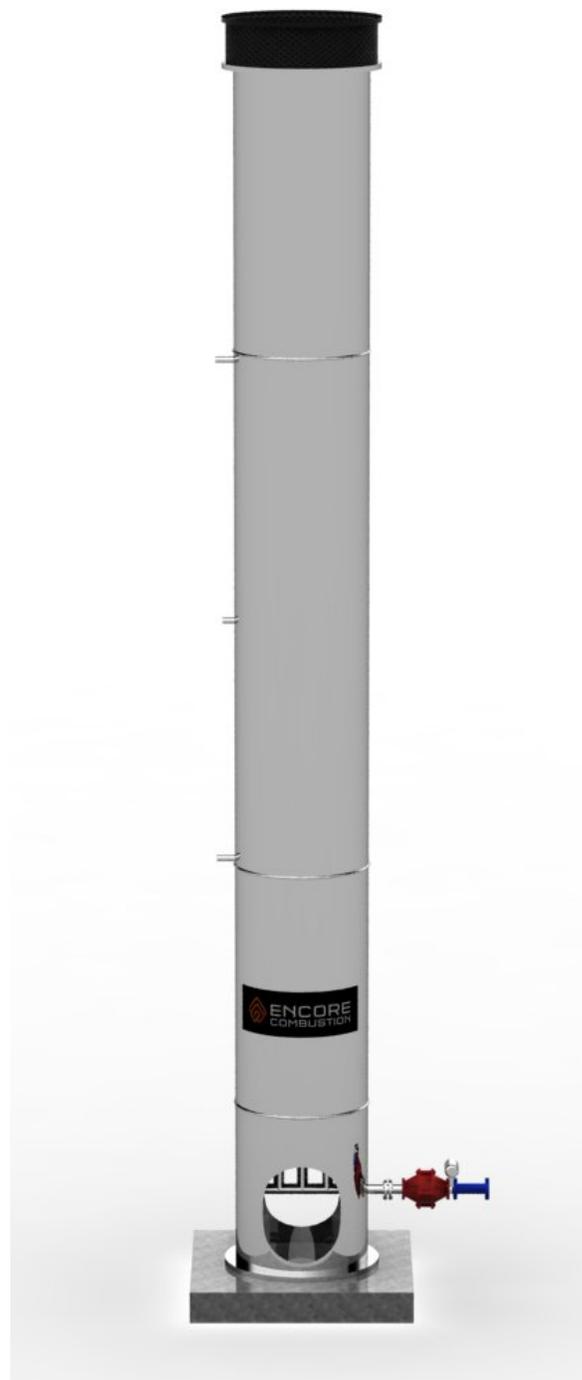
- No visible or open flame
- Smokeless flow rates of up to 100% of the total waste gas
- Smokeless combustion of a range of VOCs
- Minimal noise signature
- No radiant heat allows installation next to equipment and personnel
- Sampling ports allow for in situ emissions testing
- Stable and reliable combustion

### PRINCIPLE APPLICATIONS

- Upstream oil & gas production
- Well pads in shale basins

### DESIGN FEATURES

- Easy to install
- Fast delivery
- Smaller units include stainless steel combustion chambers
- Larger units include carbon steel combustion chamber with high temperature refractory lining
- Designed to accept a wide range of waste gas pressures
- Proprietary waste gas burner(s) provides efficient and reliable ignition
- Encore Energen pilot(s) provide reliable and instantaneous ignition
- Natural Draft (standard) or blower assist options



## SPECIFICATIONS

### STANDARD MATERIALS:

- Combustion chamber: stainless or refractory lined carbon steel
- Burners: 316SS
- Burner manifold: stainless steel

Model	Capacity (MSCDF)**	Diameter (inches)	Height (feet)	Inlet size (inches)
IVF-01	1	16	15	2
IVF-03	3	24	20	2
IVF-10	10	36	25	2
IVF-20	20	48	30	3
VCU-50	50	72	40	4
VCU-75	75	84	45	6
VCU-100	100	90	50	8
VCU-135	135	102	60	10

\*\* Capacity subject to gas composition / available pressure

