

HP:  $0.85\text{CH}_4 + 0.1\text{C}_2\text{H}_6 + 0.05\text{CO}_2 + \frac{2.05}{\phi}(3.73\text{N}_2 + \text{O}_2 + 0.0447\text{Ar} + 0.00152\text{CO}_2)$

