

HIGH TEMPERATURE SYSTEMS



## OXI Ram Degas Station

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### With a pneumatic or hydraulic lift mechanism

- Electric or air drive motor packages
- Various stroke and shaft lengths to suit your needs
- Optional gas mixing panel for single or multiple gas injection
- Innovative rotor design for ultra-fine gas disbursement
- Anti vortex sleeve

### Product Specifications

Requirements Electric Drive  
3 HP (=2.2kW) – 3 phase  
480 volt

Variable Speed Drive  
7.5 H.P  
½” Air Supply Line  
50 SCFM (=1.5 m<sup>3</sup>/min) @ 90 PSI (=6.12 Bar)

### Product Specifications

Requirements Air Drive  
7.5 H.P  
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Patent Applied





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One of the most successful features of the OXI-RAM systems is the inert gas conversion kit. This kit allows for the Argon (Ar) or Nitrogen (N) to drip into the protective chamber. These inert gases displace the air in the chamber. Argon is preferred because the specific gravity is heavier. By displacing the air we are removing the oxygen from the chamber and reducing the possibility of oxide build-up. The Argon drip enhances the life of the shaft and sleeve. **This is a distinct advantage over the competition!** Based upon the specific gravity of the inert gas used vs. air a seal is not required.

### Exclusive Features

- Protective anti vortex sleeve reduces wear on shaft
- Protective anti vortex sleeve reduces oxides, resulting in a cleaner melt
- Inert gas conversion kit allows for Argon or Nitrogen drip into sleeve chamber resulting in reduced oxides
- Because of the design of the rotor, the rotor can run at a lower RPM which reduces wear on the shaft

### Crucible Mount

- Electric or air drive motor packages
- Innovative rotor design for ultra-fine gas disbursement
- Various shaft lengths to suit your needs
- Anti vortex sleeve
- Suitable for batch processing

### Product Specifications

Requirements Electric Drive  
 3 HP (=2.2kW) –3 phase  
 1200 RPM

Variable Speed Drive  
 3 HP (=2.2kW) –3 phase  
 480 volt

### Product Specifications

Requirements Air Drive  
 7.5 H.P  
 ½" Air Supply Line  
 50 SCFM (=1.5 m<sup>3</sup>/min) @ 90 PSI (=6.12 Bar)

