



CALGAS 1100

ROTARY DEGASSING SYSTEM

CALGAS 1100 is a rotary degassing system suspended by an overhead hoist or a fork lift, or mounted on a furnace.

The system injects a metered amount of inert gas into molten aluminium through a rotating graphite shaft and rotor assembly. The rotor shears the inert gas into tiny bubbles and disperses them evenly throughout the melt. Unwanted hydrogen gas and nonmetallic inclusions attach themselves to the bubbles and rise to the surface.

BENEFITS

- Improves casting quality by reducing oxides and hydrogen
- Reduces aluminium loss in the dross removal process
- Reduces oxide buildup on furnace walls
- Nitrogen or argon inert gas
- Operator safety features
- Manual/automatic operation mode. Treatment time can be adjusted up to 99 hours, 99 minutes

APPLICATIONS

- Crucibles
- Crucible furnaces
- Dip wells
- Bull ladles



PHYSICAL PROPERTIES

Property	Value
Weight–kg (lb)	200 (441)
Electric Requirements	220 VAC±10%; 50/60 Hz single phase
Variable Rotor Speed–rpm	0–600
Inert Gas Flow–m ³ /hr (ft ³ /hr)	0.28–2.80 (9.89–98.88)
Process Gas Requirements	
Gas	Nitrogen or argon (argon recommended)
Purity	≥99.996%
Temperature	20°C (68°F)
Factory Gas Pressure–MPa (psi)	0.30–0.60 (43.51–87.02)
Working Pressure–MPa (psi)	0.10–0.14 (14.50–20.31)
Process Gas Flow–m ³ /hr (ft ³ /hr)	0.50–1.80 (17.66–63.57)
Idle Gas Flow–m ³ /hr (ft ³ /hr)	0.10–0.20 (3.53–7.06)
Moisture–ppm	<3 (dew and freezing free)
Oxygen–ppm	<5





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