

FIM-G5 AND FIM-S5

FLUX AND REFINING AGENT INJECTION SYSTEMS

The FIM-G5 and FIM-S5 systems enhance flux injection by delivering a steady flow of flux below the molten metal line. Fluxing helps improve the quality of aluminium alloys while reducing operating costs.

PRODUCT SPECIFICATIONS

Measurement	Value
Flux Tank Capacity – L (gal)	38 (10) Optional: 50 (13)
Optional Flux Feeding Rate – kg/min (lb/min)	0.5, 1, 1.5, 2 (1.1, 2.2, 3.3, 4.4) or custom amount
Flux Injection Time	Maximum of 99 minutes, 99 seconds
Electric Requirements	220 VAC, single phase, 50/60 Hz
Weight – kg (lb)	300 (661)
Dimensions – mm (in)	760 x 1200 x 1570 (30 x 47 x 62)
Inert Gas Requirements (nitrogen or argon)	
Gas Supply Pressure – MPa	0.5–0.6
Flux Injection Pressure – MPa	≥ 0.45
Process Gas Flow Rate – L/min (gal/min)	≥ 260 (69)
Purity	99.996%



FIM-G5 without PLC Touch Screen Control



FIM-S5 with PLC Touch Screen Control

BENEFITS

- Accurately controls flux feeding rate
- Improves molten metal quality by reducing inclusions and hydrogen
- Reduces the amount of dross generated
- Reduces oxide buildup on furnace walls
- Submerged flux injection can reduce overall flux consumption
- Reduces operating costs, time and energy consumption
- Produces a cleaner furnace and work environment
- Easy to operate
- Sturdy four-wheel frame for easy transport
- Timer sets and displays the flux injection time
- Improved sealing capability helps to maintain flux integrity

APPLICATIONS

- Batch furnaces
- Transfer ladles
- Holding furnaces
- Melting furnaces

