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)	50 (13.2) Optional: 20 (5.3), 40 (10.6)
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)
Flux Wand: Female Supplied by the Customer	1" NPT, 3/4 BSP
Dimensions – mm	1348x782x1557
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 Front without PLC Touch Screen Control

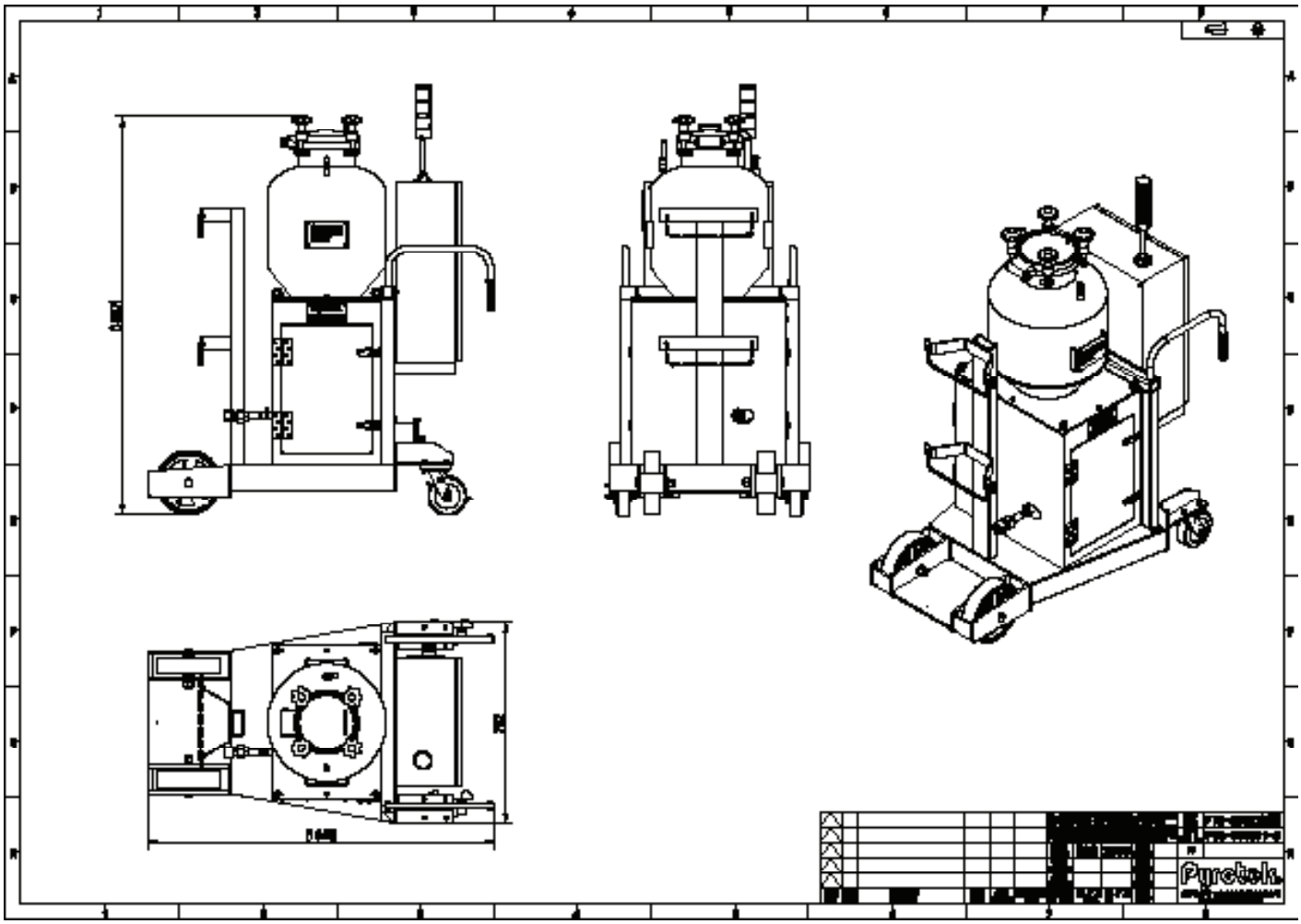
FIM-S5 with PLC Touch Screen Control Back

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



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