AIC-FS25-2000 "Big-Brother"

Technical information

Principle of measurement:
Direct Volumetric one-way burn-rate measuring with recirculation-pump and return flow-cooling by heat-exchanger.

Measuring-chamber:
Volumetric positive displacement AIC-cylindrical piston-flow-meter FS25 with electronic pulse emitter (Pat. AIC).

Min. Flow rate:	Q min:	75	lt/h	(19.8 US gal/h)
Nom. Flow rate:	Q nom:	2'000	lt/h	(528 US gal/h)
Max. Flow rate:	Q max:	3'000	lt/h	(792.5 US gal/h)

Pulse-rate: 100 pulse per 1 lt fuel-flow

Pulse-signal: PNP open-collector, Pulse-width 0.6 ms
Low-level: 0.3 V, High-level: Feed tension 1V
Frequency at 75 lt/h= 2.08 Hz, at 3'000 lt/h= 83.33 Hz

Accuracy: Between Q min. and Q max (75 ./. 3'000 lt/h) :
better than +/- 1 % of the instantaneous reading.

Circulating-pump: 0.55 kW, 1X220 to 240 VAC single phase
or 0.37 kW, Y 3x430 to 480 VAC // Δ 3x 230 VAC
Nominal flow-rate: 4'800 lt/h (1'268 US gal/h)

Heat-exchanger: Type: Multi-plate-heat-exchanger. (Chromed-steel)

Number of plates:		= 20
Number of channels:	Side 1	= 9
Number of channels:	Side 2	= 10
Power:		= 7.76 kW

3-way rotary valve: to vent the fuel-feed system.

Connectors for fuel lines: 4x JIC 37° 1 5/8—12 THD

Mounting-plate with front- and rear-panel:
Manufactured with 3 mm chromed steel sheet. With 2 wheels and handle for easy moving.

Dimensions: 680 x 326 x h 400 mm
Weight : approx. 50 KG

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