FUEL FLOW MEASUREMENT

BIG BROTHER

FUEL-FLOW-METERS FOR ENGINES FROM 1600 UP TO 24000 KW

Principle of measurement:

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

For big engines: building machines, GENSET and marine engines *AIC-FS25:* 75 to 2000 I/h (max. 3000 I/h) 8000 kW / 100 ppl

 Other versions available:

 AIC-FS15:
 10
 to
 400 l/h (max. 600 l/h)

 AIC-FS20:
 30
 to
 1000 l/h (max. 1500 l/h)

1600 kW / 416 ppl 4000 kW / 138 ppl

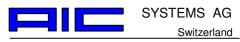


AIC-FS25-2000 "BIG BROTHER

With heat exchanger and circulation pump.

MOBILE fuel flow meter for big engines up to 8'000 kW. With rapid bleed-system of the fuel-feed-system





Automotive Information and Control Systems

AIC-BB25-100 "Big-Brother"

Technical information

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)	
Max. Flow rate:	Q max: 3'000 lt/h (792.5 US gal/h)	
Pulse-rate:	100 pulse per 1 It fuel-flow	
Pulse-signal:	PNP open-collector, Pulse-width 0.7 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.	
<u>Circulating-pump:</u>	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)	
<u>Heat-exchanger:</u>	Type: Multi-plate-heat-exchanger. (Chromed-steel)Number of plates:= 20Number of channels:Side 1 = 9Number of channels:Side 2 = 10Power:= 7.76 kW	
<u>3-way rotary valve:</u>	to vent the fuel-feed system.	
Fuel connections:	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
<u>Weight :</u>	approx. 50 KG

