

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 l/h (max. 3000 l/h) 8000 kW / 100 ppl

Other versions available:

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

1600 kW / 416 ppl

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

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



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 lt 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.

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.

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

Weight : approx. 50 KG

AIC SYSTEMS AG
Ringstrasse 9,
CH - 4123 Allschwil
Switzerland
T +41 61 481 84 39
F +41 61 481 84 40
M +41 79 212 28 31
www.flowmeter-aic.com

AIC SYSTEMS AG
Switzerland

Automotive Information and Control Systems