VA flowmeter selection, simplified

Compare the McMenon range at a glance to find the best starting point for your process.

Measurement with confidence

A6
Glass - low flow

FGM1190
Glass - higher capacity

FAM3200
Metal - compact low flow

FAM540
Metal - demanding duties

SELECTION POINT	A6	FGM1190	FAM3200	FAM540 FAMILY
Construction	Glass tube Stainless-steel body	Glass tube Stainless-steel housing	Armoured metal Magnetic follower	Armoured metal Magnetic follower
Best-fit duty	Low-flow visual measurement Laboratory, purge and sampling	Clear liquids and gases Higher flow capacity	Compact small flows Opaque or cloudy media	Demanding process duty Liquids, gases and steam
Connections	1/4 in. NPT or G1/4	1/4 to 2 in. threaded DN10 to DN50 flanged Hygienic connection option	1/4 to 1 in. NPT or G threads	FAM541: DN 15 to DN 100 Flanged / selected female thread FAM544 hygienic; FAM545 flanged
Maximum pressure / rating*	Up to 18 bar	Up to 30 bar Reduces with size, gas service and temperature	Up to 100 bar without valve 40 bar with needle valve 14 bar standard with DP regulator	FAM541: up to PN 400 / ASME Class 2500
Maximum medium temperature*	Up to 120°C with stainless-steel fittings	Liquid: up to 150°C Gas: up to 100°C	-50 to 180°C Seal-dependent	FAM541: up to 400°C
Accuracy class / rangeability	Class 2.5 to 10 Tube, float and scale-dependent Rangeability ≥10:1	Class 1.6, qG = 50% Class 6 with BL-type float Rangeability ≥10:1	Class 6, qG = 50% Typically 10:1	Class 1.6, qG = 50% Optional ±1% of upper range 10:1 span
Outputs / options	Needle valve; DP regulator Limit switches; Zone 2 option	Limit switches on 1/2 in. and above Separate needle valve; Zone 2/22	Limit switches; 4-20 mA Needle valve; DP regulator Zone 2 configuration	Limit switches; 4-20 mA HART; Zone 1 and Zone 2 options

* Maximum ratings are configuration-dependent and may not be available simultaneously. Final limits depend on size, connection, materials, seals, fluid, ambient temperature and approval.

Accuracy classes are to VDE/VDI 3513-2. The applicable data sheet, approved quotation and model code take precedence.

Compare applications and configurations

Measurement with confidence

Explore application suitability and the configuration options available for each model.

APPLICATIONS ● Preferred fit ○ Verify configuration – Not normally recommended

FEATURES ● Standard / common ○ Selected configurations – Not offered

APPLICATIONS

APPLICATION	A6	FGM1190	FAM3200	FAM540
Low flow / laboratory / sampling	●	●	○	–
Purging / analyser lines	●	○	●	–
OEM / skid / compact retrofit	●	●	●	○
Light industrial services	○	●	●	○
Clear liquids or gases	●	●	○	○
Opaque or cloudy media	–	○	●	●
Corrosive / aggressive media	○	○	○	●
Steam	–	–	○	●
High-pressure service	–	○	●	●
High-temperature service	–	○	○	●
Hygienic process	–	○	–	●

FEATURES AND CONNECTIONS

FEATURE / CONNECTION	A6	FGM1190	FAM3200	FAM540
Local indication without external power	●	●	●	●
Integral or companion needle valve	○	○	○	–
Differential-pressure regulator	○	–	○	–
Min. / max. limit switches	○	○	○	○
4-20 mA transmitter	–	–	○	○
HART communication	–	–	–	○
Hazardous-area options	○	○	○	○
Threaded connections	●	○	●	○
Flanged connections	–	○	–	●
Hygienic connections	–	○	–	○

HAZARDOUS-AREA OPTIONS*	A6	FGM1190	FAM3200	FAM540
	Zone 2	Zone 2/22	Zone 2 for analogue or alarms with polycarbonate housing only	Zone 1 and Zone 2

* Availability is model-, output-, housing- and approval-dependent. Application fit is indicative; final selection requires sizing, materials, pressure-temperature and certification review.

Need help selecting - or a special configuration?

Send us your process data. Our team will confirm the correct meter, rating, materials and approvals for your duty.

TALK TO OUR TEAM

sales@mcmenon.com | +44 (0)1946 830611