

Choosing your VA flowmeter

Shortlist the right family in under a minute, then let McMenon size the final meter for your application.



A6

Glass - low flow



FGM1190

Glass - higher capacity



FAM3200

Metal - compact low flow



FAM540

Metal - demanding duties

SELECTION POINT	A6	FGM1190	FAM3200	FAM540
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	Small flows Opaque or aggressive 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 option	1/4 to 1 in NPT or G threads	DN15 to DN80 Flanged / female thread FAM544 hygienic
Maximum pressure*	Up to 18 bar	Up to 30 bar Reduces with size and gas service	40 bar horizontal connection 100 bar vertical connection 14 bar with DP regulator	FAM541: up to PN400 / Class 2500 FAM544: up to PN40
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 FAM544: up to 140°C
Calibrated accuracy / span	3 in scale: $\pm 4\%$ 5 in scale: $\pm 1.6\%$ Rangeability $<10:1$	1.6% 6% with BL-type float	6% $qG = 50\%$ Typically 10:1; lower for some gas ranges	1.6% $qG = 50\%$ Optional 1% of upper range 10:1 span
Output / options	Local; needle valve Differential-pressure regulator; alarms Zone 2 option	Local; alarms on 1/2 in and above Separate needle valve; Zone 2/22	Local; alarms; 4-20 mA Needle valve / DP regulator Zone 2 option	Local; alarms; 4-20 mA HART; Zone 1 and Zone 2

* Published maxima are configuration-dependent. Confirm size, materials, service, approvals and operating conditions.

Check applications and features



A filled dot is the usual starting point; an outlined dot means the option or fit depends on configuration.



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● Common fit ○ Available / configuration-dependent — Not typical

APPLICATIONS				
APPLICATION / FEATURE	A6	FGM 1190	FAM 3200	FAM 540
Low flow / laboratory / sampling	●	●	○	—
Purging / analyser lines	●	○	●	—
Clear liquids or gases	●	●	○	○
Water / light industrial	○	●	●	○
OEM / skid / compact retrofit	●	●	●	○
Opaque / cloudy / aggressive media	—	—	●	●
High pressure / high temperature	—	—	○	●
Steam	—	—	○	●
Hygienic process	—	○	—	●

FEATURES AND CONNECTIONS				
APPLICATION / FEATURE	A6	FGM 1190	FAM 3200	FAM 540
Direct local indication	●	●	●	●
Needle valve / flow control	○	○	○	—
Differential-pressure regulator	○	—	○	—
High / low alarm	○	○	○	○
4-20 mA output	—	—	○	○
HART communication	—	—	—	○
Hazardous-area options	○	○	○	○
Threaded connections	●	●	●	○
Flanged connections	—	○	—	●
Hygienic connections	—	○	—	●

Hazardous-area note: A6 Zone 2. FGM1190 Zone 2/22. FAM3200 Ex is FAM3220 Zone 2 only; 4-20 mA is not available with Ex. FAM540 Zones 1 and 2. Use this chart to shortlist a family. Final selection requires process data, materials review and application sizing.

Need help selecting the right meter?

Send us your medium, min/max flow, pressure, temperature and connection. We will size the application and recommend the right meter.

VA SELECTOR | 02

REQUEST APPLICATION SIZING

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