

Company	Product	Qualiflow's product	Qualiflow's MFC advantages
Aera	PrimAera	AFC310MD, AFC410, AFC510MD	Better surface finish : 1µinch vs 5µinch
Aera	FC-900 series	AFC310MD, AFC410MD	Digital vs analog. 410: better accuracy
Aera	FC-D980 series	AFC310MD, AFC410MD	Up to 50°C vs 45°C
Aera	FC-790 series	AFC80MD (solenoid), AFC310MD, AFC410MD (UHP)	Digital. AFC80MD: better accuracy. 310, 410: piezo vs solenoid valve. 410: better accuracy
Aera	FC-7800 series	AFC80MD (-->30slm), AFC202& AFC202D(>30slm)	Better accuracy. 80&202D: digital vs analog. 202D: higher flow (400slm vs 150slm)
Aera	FC-7700 series	AFC50&AFC50D (--> 30slm), AFC202& AFC202D (>30slm)	Better accuracy. 202&202D: higher flow (400slm vs 150slm). 202D&50D: digital vs analog.
Aera	FC-7600 series	AFC260, AFC261	Economic design
Aera	FC-780CHT	AFC80MD (separated electronics: up to 80°C)	Digital vs analog, better accuracy. Rq: option (sep. elec.) on 5 QLF MFCs (AFC80MD, 50D, 202D, 202, 50).
Aera	FC-1000	AFC310MD (SR option 1 sccm: NO)	Digital vs analog, better response time (piezo vs thermal valve)
MKS	ALTA 1480A	AFC80MD	Higher flow: 30slm vs 20 slm
MKS	ALTA 1480A	AFC80MD (DeviceNet)	Higher flow: 30slm vs 20 slm
MKS	ALTA 1485A	AFC80MD	Higher flow: 30slm vs 20 slm
MKS	ALTA 1485A	AFC80MD (DeviceNet)	Higher flow: 30slm vs 20 slm
MKS	ALTA MC10A	AFC510MD	Higher flow (50slm vs 20slm), piezo vs solenoid valve
MKS	1479A	AFC80MD	Digital vs analog, better accuracy, higher flow: 30slm vs 20 slm
MKS	1559A	AFC202D	Digital vs analog, better accuracy, higher flow: 400slm vs 200slm
MKS	M100B	AFC50&AFC50D	Better accuracy, corrosive gas use, 50D: digital vs analog

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MKS	1179A	AFC50&AFC50D	Higher flow: 30slm vs 20 slm. AFC50D: better accuracy
STEC	SEC-Z10D series	AFC510MD	Better accuracy, higher flow (50slm)
STEC	SEC-F700	AFC310MD	Better surface finish
STEC	SEC-V100	AFC310MD	310: piezo vs solenoid valve
STEC	SEC-4001 series	AFC310MD	Digital vs analog
STEC	SEC-7300 series	AFC310MD, AFC410MD	Digital vs analog
STEC	SEC-E440J series	AFC80MD	Digital vs analog, better accuracy
STEC	SEC-2000series	AFC50, 50D (separated electronics: up to 80°C)	Better response time (solenoid vs thermal valve). 50D: digital vs analog. Rq: option (sep. elec.) on 5 QLF MFCs (AFC80MD, 50D, 202D, 202, 50).
STEC	SEC-E series	AFC202D	Digital vs analog, better accuracy
Tylan	FC-260	AFC260	Economic design
Tylan	FC-261	AFC261	Economic design
Tylan	FC-262	AFC202&202D	Better response time (solenoid valve), better accuracy, higher flow: 400slm vs 200slm. 202D: digital vs analog
Tylan	FC-2979M	AFC80MD (solenoid). AFC310MD (UHP)	Both: NC&NO vs NO valve. 80: better accuracy, higher flow (30slm vs 20slm). 310: piezo vs solenoid valve
Tylan	FC-2920	AFC202&AFC202D	Better accuracy, higher flow: 400slm vs 200slm, better response time.
Tylan	FC-2925	AFC202&AFC202D up to 400slm: higher flow --> no equivalent	Better accuracy, 202D: better response time, digital vs analog
Tylan	FC-2900	AFC50D	Better accuracy, digital vs analog
Tylan	FC-2900M	AFC80MD	Better accuracy

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Tylan	Intelliflow	AFC80MD, AFC310MD	AFC80MD: Up to 80°C with separated electronics option. AFC310MD: piezo vs solenoid valve
Unit	8100	AFC50, AFC50D	Corrosive gas use, AFC50D: better accuracy, digital vs analog
Unit	8101	AFC50D	Corrosive gas use, better accuracy
Unit	8105	AFC50D DeviceNet	Corrosive gas use
Unit	8561	AFC410MD	Piezo vs solenoid valve
Unit	8565	AFC510MD	Piezo vs solenoid valve
Unit	1660	AFC80MD	Digital vs analog, better accuracy
Unit	1661	AFC80MD	Better accuracy
Unit	1665	AFC80MD DeviceNet	Better surface finish : 8µinch vs 16µinch
Unit	8160	AFC80MD (solenoid), AFC310MD (UHP)	80: better accuracy, digital vs analog. 310: piezo vs solenoid valve
Unit	8161	AFC80MD (solenoid), AFC310MD (UHP)	80: better accuracy. 310: piezo vs solenoid valve
Unit	8165	AFC80MD DeviceNet (solenoid), AFC510MD (UHP)	80: Up to 80°C with separated electronics option. 510: piezo vs solenoid valve
Unit	3101	AFC202&AFC202D	Higher flow: 400slm vs 100slm, better accuracy. 202D: digital vs analog
Unit	3161	AFC202D	Higher flow: 400slm vs 100slm, better accuracy.
Unit	3165	AFC202D DeviceNet	Higher flow: 400slm vs 100slm, better accuracy.
Unit	8130	AFC50D "external readout"	Better accuracy, any gas type
Unit	1630	AFC80MD, AFC399MD "external readout"	Better accuracy, any gas type. 399: piezo vs solenoid valve