

SERIES:	FHKSC	FHK	FHKU	FF	FH	FM	EPI	
Applications:	Chemicals and water. Specially designed for coffee machines and drinking water applications.	Non-alcoholic beverage, alcoholic beverage, chemical, water, wine, and other low viscosity liquids.	Non-alcoholic beverage, alcoholic beverage, chemical, water, wine, and other low viscosity liquids.	Non-alcoholic beverage, alcoholic beverage, beer, water, and wine. German bar dispensing standard	Water, specifically used in espresso machines	Chemicals, water, beer German bar dispensing standard	Beer, chemicals, liquid soap, oil, syrup, ketchup/mayonnaise Specifically designed for highly viscose media (viscosity ~ 5-8000 centistokes)	
Flow range in L/min (standard pulses/L) (NOTE: flowrates are product specific and can be restricted by plumbing connections.)	0.05 - 0.40 (2386) 0.08 - 0.65 (1934) 0.10 - 1.00 (1300) 0.14 - 1.20 (1215)	0.03 - 0.60 (2223) 0.03 - 0.75 (1787) 0.10 - 2.30 (1013) 0.15 - 3.80 (754) 0.18 - 8.30 (256)	0.04 - 0.60 (2063) 0.05 - 0.80 (1700) 0.10 - 2.40 (988) 0.15 - 3.80 (760) 0.30 - 9.30 (236) 1.40 - 18.0 (165) 3.00 - 30.0 (65)	0.22 - 7.75 (343) 0.35 - 11.50 (247) 1.50 - 16.20 (180)	0.04 - 0.60 (2219) 0.05 - 0.80 (1830) 0.10 - 2.30 (990) 0.15 - 3.80 (736) 0.20 - 7.80 (228)	0.25 - 17.00 (147) 2.83 - 40.00 (528 max.)	viscosity dependant example: 0.065 - 6.00 for 24 centistokes cola syrup (462)	
Measuring accuracy:	Minimum of +/- 2.0% of reading						+/- 1.0% (viscosity dependant)	
Repeatability:	<+/- 0.25%							
Housing:	PBT (Arnite) or PVDF	PBT (Arnite), PPS (Ryton), PA (Grivory), or PVDF	PBT (Arnite), PPS (Ryton), PA (Grivory), or PVDF	PBT (Arnite) or PVDF	Lower: Lead-free brass Upper: Lead-free brass or PA6 (nylon)	PBT (Arnite) or PPS(Fortron)	PEEK or PBT (Arnite)	
Bearing pin:	PBT or PVDF	Inox 1.4305 (303SST), Inox 1.4571 (316SST), PCTFE, or Ceramic for continuous flow	Inox 1.4305 (303SST), Inox 1.4571 (316SST), PCTFE, or Ceramic for continuous flow	SST, Ruby, or PCTFE	SST	SST	SST or Ceramic	
O-ring:	Silicon for PBT housing Viton or EPDM for PVDF housing	Silicon, Viton, EPDM, or Kalrez	Silicon, Viton, EPDM, or Kalrez	Silcon, Viton, EPDM, or Kalrez	Silicon or Viton	Silicon or EPDM	Viton or EPDM	
Turbine:	PP (polypropylene) or PVDF	PVDF					PEEK	
Temperature range:	-10°C to +65°C (14°F to 149°F)	-10°C to +65°C (14°F to 149°F) (-10°C to +100°C with PVDF or Ryton)	-10°C to +65°C (14°F to 149°F) (-10°C to +100°C with PVDF or Ryton)	-10°C to +65°C (14°F to 149°F) (-10°C to +100°C with PVDF or Ryton)	-10°C to +100°C (14°F to 212°F)	-10°C to +65°C (14°F to 149°F)	-10°C to +65°C (14°F to 149°F)	
Pressure range:	-1 bar to 0.3 bar@20°C (-14.5psi to 4.35psi @ 68°F)	20 bar @20°C (290psi @ 68°F)	5.5 bar @20°C (79psi @ 68°F) 10 bar @20°C (145psi @ 68°F) [PVDF] 20 bar @20°C (290psi @ 68°F) [Ryton]	5.5 bar @20°C (79psi @ 68°F)	20 bar @20°C (290psi @ 68°F)	20 bar @20°C (290psi @ 68°F)	10 bar @20°C (290psi @ 68°F)	
Mounting position:	Horizontal recommended	Horizontal recommended	Horizontal recommended	Horizontal and vertical with proper bearing	Horizontal recommended	Horizontal recommended	Horizontal recommended	
Power supply:	3.8 – 20 VDC or 24VDC	4.5 – 24 VDC	4.5 – 24 VDC	4.5 – 24 VDC	4.5 – 24 VDC	4.5 – 24 VDC	4.5 – 24 VDC	
Connections:	PANCON MAS-CON 156 MLSS	3-pin AMP 2.8 x 0.8 mm	3-pin AMP 2.8 x 0.8 mm	3-pin AMP 2.8 x 0.8 mm 1-pin AMP 3.5 x 0.8 m (with 4 th pin option)	3-pin AMP 2.8 x 0.8 mm	3-pin AMP 2.8 x 0.5mm	3-pin AMP 2.8 x 0.8mm 1-pin AMP 3.5 x 0.8 m (with 4 th pin option)	
Standard connector	3 position IDC 0.156 connector Molex housing #09-50-3031 plus x3 terminals #08-50-0106	DIN 175301-803 (Formerly DIN 43650 #941-0002/3	DIN 175301-803 (Formerly DIN 43650 #941-0002/3	DIN 175301-803 (Formerly DIN 43650 #941-0002/3 #941-0002/4 (flow detection signal option)	DIN 175301-803 (Formerly DIN 43650 #941-0002/3	DIN 175301-803 (Formerly DIN 43650 #941-0002/3	DIN 175301-803 (Formerly DIN 43650 #941-0002/3 #941-0002/4 (4 th pin signal option)	
Signal:	NPN open collector frequency output (0VDC signal) frequency range: ~1-500Hz (flowmeter specific). Please contact us for specifics.							
Many options available:	multiple plumbing connections, multiple electrical connections, integral LCD display, remote LCD display, integral pullup resistors, PNP signals, integral cables, foam detection, empty detection, temperature measurement, flange mount, double pulse output, etc...							
Approvals / Standards: (See data sheet for details.)	CE NSF		CE NSF 		CE NSF		CE NSF 	