The Game Changer

SM Foodmag

Hygienic Flow Meter





SM Foodmag – The Game Changer

The idea behind the product

Offering a magnetic flow meter series which fulfills the requirements of **hygienic applications** in the Food & Beverage market

Offering a sensor for **different media** like beer, milk, soft drinks & mineral water, fruit & vegetable juice/smoothies

Offering a sensor which can **compete** against the market leader

Factory Certificate free of charge and always available via QR-Code or download from our webpage



Offering a sensor which **reduces commissioning & maintenance** (wiring + programming)

Offering a sensor to show transparency of the cleaning process in the complete plant by **conductivity indication**

Offering a sensor which helps the customer identify the **health indication** of the device like the MVQ, TCC & SU PureSonic

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The main benefits

IO-Link &
traditional in ONE

Ready for Retrofit

Easy Guided Setting
< 5 min

Wide Diameter Range
DN15 ••••• DN150
½" ••••• 6"



Only 1x
M12 connection

Continuous 150 °C

Temperature +
Conductivity indication

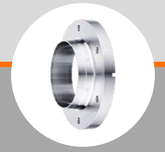
Easy Order handling

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Ordering / Configuration







BODY					Sealing			Process Connection					
Nominal diameter	**Standard SI + EU units Display**	**Alternative Standard + imperial units Display**	**Standard SI + EU + imperial units non Display**	**Measuring Range**	**EPDM**	**FKM**	**VQM** (silicone)	**CLAMP ISO 2852**	**CLAMP DIN 32676** (series A-DIN)	**Weld-in flange** (EN10357 series A-DIN)	**Milk pipe fitting DIN11851**	**SMS Thread Connection**	**DIN 11864-2 hygienic flange**
DN15	SMF120	SMF121	SMF150	0,06…6 m3/h	E40560	E40540	E40570	-*	E40490	E40470	E40500	-*	E40520
DN25	SMF220	SMF221	SMF250	0,16…18m3/h	E40561	E40541	E40571	E40481	E40491	E40471	E40501	E40511	E40521
DN40	SMF320	SMF321	SMF350	0,3…45 m3/h	E40562	E40542	E40572	E40482	E40492	E40472	E40502	E40512	E40522
DN50	SMF420	SMF421	SMF450	0,6…72 m3/h	E40563	E40543	E40573	E40483	E40493	E40473	E40503	E40513	E40523
DN65	SMF520	SMF521	SMF550	1,2…120 m3/h	E40564	E40544	E40574	E40484	E40494	E40474	E40504	E40514	E40524
DN80	SMF620	SMF621	SMF650	1,8…180 m3/h	E40565	E40545	E40575	E40485	E40495	E40475	E40505	E40515	E40525
DN100	SMF720	SMF721	SMF750	3,0…300 m3/h	E40566	E40546	E40576	E40486	E40496	E40476	E40506	E40516	E40526
DN125	SMF820	SMF821	SMF850	4,5…450 m3/h	E40567	E40547	E40577	E40487	E40497	E40477	E40507	-*	E40527
DN150	SMF920	SMF921	SMF950	6…600m3/h	E40568	E40548	E40578	E40488	E40498	E40478	E40508	-*	E40528

*No standard available with defined dimensions

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Ordering / Configuration







BODY					Sealing			Process Connection		
Nominal diameter	**Standard SI + EU units Display**	**Alternative Standard + imperial units Display**	**Standard SI + EU + imperial units non Display**	**Measuring Range**	**EPDM**	**FKM**	**VQM** (silicone)	**CLAMP DIN 32676** (series C – ASME BPE)	**Weld-in flange** (EN10357 series C – ASME BPE)	**Weld-in flange** (EN10357 series D – SMS)
DN15	SMF120	SMF121	SMF150	0,06…6 m3/h	E40560	E40540	E40570	E40610	E40620	-*
DN25	SMF220	SMF221	SMF250	0,16…18m3/h	E40561	E40541	E40571	E40611	E40621	E40631
DN40	SMF320	SMF321	SMF350	0,3…45 m3/h	E40562	E40542	E40572	E40612	E40622	E40632
DN50	SMF420	SMF421	SMF450	0,6…72 m3/h	E40563	E40543	E40573	E40613	E40623	E40633
DN65	SMF520	SMF521	SMF550	1,2…120 m3/h	E40564	E40544	E40574	E40614	E40624	
DN80	SMF620	SMF621	SMF650	1,8…180 m3/h	E40565	E40545	E40575	E40615	E40625	
DN100	SMF720	SMF721	SMF750	3,0…300 m3/h	E40566	E40546	E40576	E40616	E40626	E40636
DN125	SMF820	SMF821	SMF850	4,5…450 m3/h	E40567	E40547	E40577	-*	-*	-*
DN150	SMF920	SMF921	SMF950	6…600m3/h	E40568	E40548	E40578	E40618	E40628	-*

*No standard available with defined dimensions

Validate it for yourself.

ifm.com

