

MAGFLO Compact installation



MAG 6000 transmitter

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MAG 3100 sensor

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MAG 6000 compact mounted on a MAG 3100 sensor.

Example:

Sensor:	7ME6310-3TC11-1AA0, FI 01 catalogue p. 4/69
Pipe size:	DN 100
Liner:	Neoprene
Electrodes:	SS 316
Flanges:	EN1092-1, PN 16
Transmitter:	7ME6920-1AA10-0AA0, FI 01 catalogue p. 4/30
Accuracy:	0.25%
Supply:	230 V

Note: Transmitter and sensor are shipped in separate boxes.

In order to get a compact unit, it is necessary to order transmitter and sensor separately. These will be delivered individually packed and the final assembly takes place during installation at the customer's place.

MAGFLO Remote installation



Wall bracket

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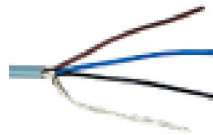
MAG 6000

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MAG 3100

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2 x Cable

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MAG 3100 remote installation

Example:

Sensor:	7ME6310-3TC11-1AA0, FI 01 catalogue p. 4/69
Pipe size:	DN 100
Liner:	Neoprene
Electrodes:	SS 316
Flanges:	EN1092-1, PN 16
Transmitter:	7ME6920-1AA10-0AA0, FI 01 catalogue p. 4/30
Accuracy:	0.25%
Supply:	230 V
Wall mounting kit:	FDK:085U1001, FI 01 catalogue p. 4/31
Cable, coils 10 m.:	FDK:083F0121, FI 01 catalogue p. 4/31
Cable, electrodes 10 m.:	FDK:083F0121, FI 01 catalogue p. 4/31

MAGFLO Remote empty pipe installation (Long cables)



Wall bracket

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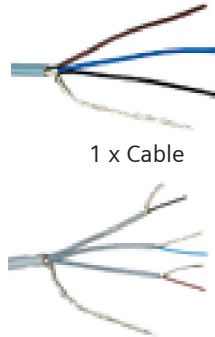
MAG 6000

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MAG 3100

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1 x Cable

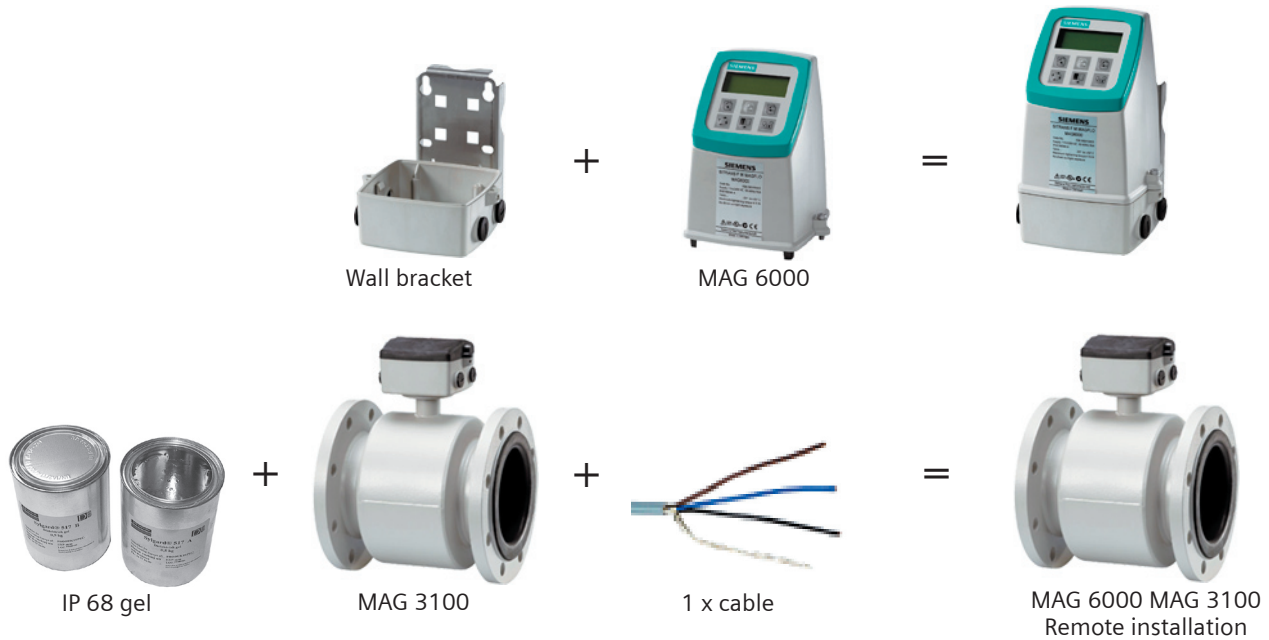
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Example:

Sensor:	7ME6310-3TC11-1AA0, FI 01 catalogue p. 4/69
Pipe size:	DN 100
Liner:	Neoprene
Electrodes:	SS 316
Flanges:	EN1092-1, PN 16
Transmitter:	7ME6920-1AA10-0AA0, FI 01 catalogue p. 4/30
Accuracy:	0,25%
Supply:	230 V
Wall mounting kit:	FDK:085U1001, FI 01 catalogue p. 4/31
Cable, coils 10 m.:	FDK:083F0121, FI 01 catalogue p. 4/31
Cable, electrodes 10 m.:	FDK:083F3020, FI 01 catalogue p. 4/31

MAGFLO Remote, IP 68 installation



Example:

Sensor:	7ME6310-3TC11-1AA0, FI 01 catalogue p. 4/69
Pipe size:	DN 100
Liner:	Neoprene
Electrodes:	SS 316
Flanges:	EN1092-1, PN 16
Transmitter:	7ME6920-1AA10-0AA0, FI 01 catalogue p. 4/30
Accuracy:	0,25%
Supply:	230 V
Wall mounting kit:	FDK:085U1001, FI 01 catalogue p. 4/31
Cable, coils 10 m.:	FDK:083F0121, FI 01 catalogue p. 4/31
Cable, electrodes 10 m.:	FDK:083F0121, FI 01 catalogue p. 4/31
IP 68 Submersible kit:	FDK:085U0220, FI 01 catalogue p. 4/31

MAGFLO Compact Ex d installation

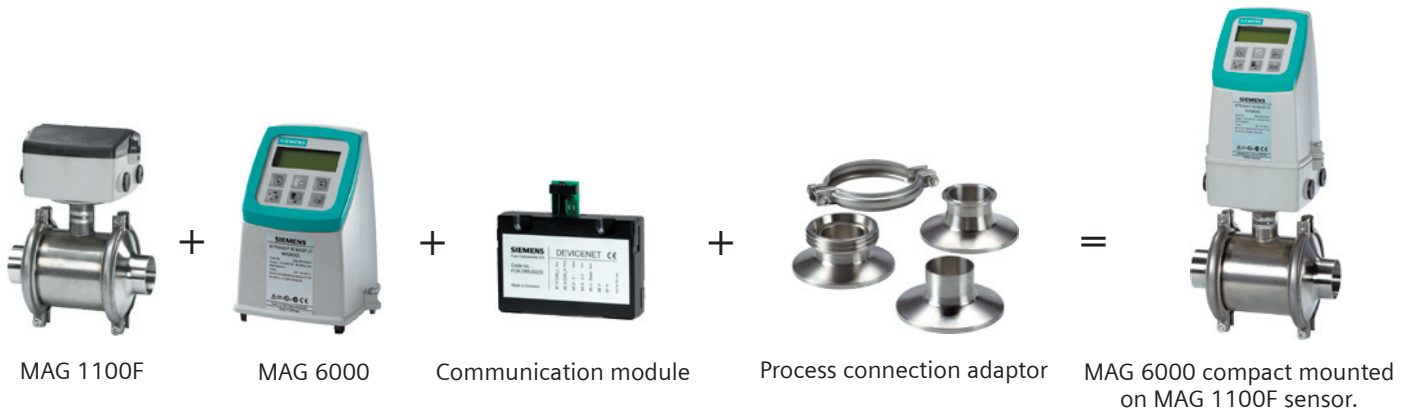


MAG 6000 I Ex d transmitter compact
mounted on MAG 3100 sensor.

Example:

Sensor:	
Pipe size:	DN 100
Liner:	PTFE
Electrodes:	Hastelloy C
Flanges:	EN1092-1, PN 16
Version:	Ex
Transmitter:	
Accuracy:	0,25%
Supply:	24 V DC
Version:	Ex d
Build up code:	7ME6330-3TC13-2DA0, FI 01 catalogue p. 4/71

MAGFLO Food application installation + communication module



Example:

Sensor:	7ME6140-2DA10-1AA0, FI 01 catalogue p. 4/49
Pipe size:	DN 25
Liner:	PFA
Electrodes:	Hastelloy C
Connection:	Sanitary, weld in adaptor
Transmitter:	7ME6920-1AA10-0AA0, FI 01 catalogue p. 4/30
Accuracy:	0,25%
Supply:	230 V
Weld in adaptor:	FDK:083G2119, FI 01 catalogue p. 4/50
Pipe norm.:	DIN 11850
Communication module:	FDK:085U0230, FI 01 catalogue p. 4/49
Version:	Profibus DP

Note: Transmitter and sensor are shipped in separate boxes.

In order to get a compact unit, it is necessary to order transmitter and sensor separately. These will be delivered individually packed and the final assembly takes place during installation at the customer's place.


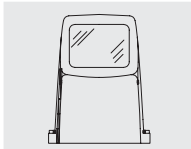
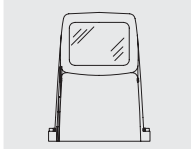

SITRANS F flowmeters

SITRANS F M


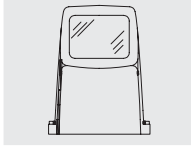
Transmitter MAGFLO MAG 5000/6000

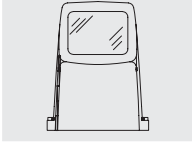
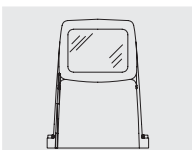

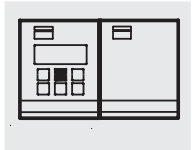

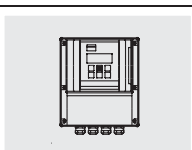
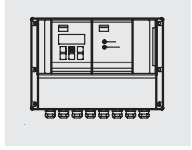
Selection and Ordering Data

Transmitter MAGFLO MAG 5000

Description	Order No.	Symbol
Transmitter MAG 5000 Blind for compact and wall mounting; IP67/NEMA 4X, fibre-glass reinforced polyamide <ul style="list-style-type: none"> • 11 ... 30 V DC / 11 ... 24 V AC • 115/230 V AC, 50/60 Hz 	7ME6910-1AA30-0AA0 7ME6910-1AA10-0AA0	
Transmitter MAG 5000 Display for compact and wall mounting; IP67/NEMA 4X, fibre-glass reinforced polyamide <ul style="list-style-type: none"> • 11 ... 30 V DC / 11 ... 24 V AC • 115/230 V AC, 50/60 Hz • 115/230 V AC, 50/60 Hz, with HART 	▶ 7ME6910-1AA30-1AA0 ▶ 7ME6910-1AA10-1AA0 7ME6910-1AA10-1BA0	
Transmitter MAG 5000 CT for compact and wall mounting, approved for custody transfer; IP67/NEMA 4X, fibre-glass reinforced polyamide <ul style="list-style-type: none"> • 11 ... 30 V DC / 11 ... 24 V AC • 115/230 V AC, 50/60 Hz 	7ME6910-1AA30-1AB0 7ME6910-1AA10-1AB0	
Transmitter MAG 5000 for 19" rack and wall mounting <ul style="list-style-type: none"> • 11 ... 30 V DC / 11 ... 24 V AC • 115/230 V AC, 50/60 Hz 	7ME6910-2CA30-1AA0 7ME6910-2CA10-1AA0	

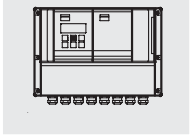
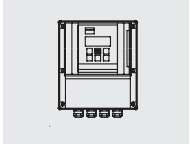
Transmitter MAGFLO MAG 6000

Description	Order No.	Symbol
Transmitter MAG 6000 Blind for compact and wall mounting; IP67/NEMA 4X, fibre-glass reinforced polyamide <ul style="list-style-type: none"> • 11 ... 30 V DC / 11 ... 24 V AC • 115/230 V AC, 50/60 Hz 	7ME6920-1AA30-0AA0 7ME6920-1AA10-0AA0	
Transmitter MAG 6000 for compact and wall mounting; IP67/NEMA 4X, fibre-glass reinforced polyamide <ul style="list-style-type: none"> • 11 ... 30 V DC / 11 ... 24 V AC • 115/230 V AC, 50/60 Hz 	▶ 7ME6920-1AA30-1AA0 ▶ 7ME6920-1AA10-1AA0	
IP67/NEMA 4X, AISI 316 stainless steel (incl. S/S terminal box) <ul style="list-style-type: none"> • 11 ... 30 V DC / 11 ... 24 V AC • 115/230 V AC, 50/60 Hz 	7ME6920-1KA30-1AA0 7ME6920-1KA10-1AA0	

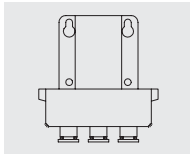
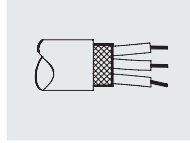
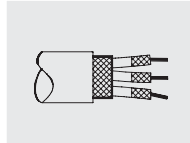
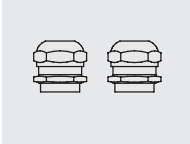
Description	Order No.	Symbol
Transmitter MAG 6000 CT for compact and wall mounting, approved for custody transfer; IP67/NEMA 4X, fibre-glass reinforced polyamide <ul style="list-style-type: none"> • 11 ... 30 V DC / 11 ... 24 V AC • 115/230 V AC, 50/60 Hz 	7ME6920-1AA30-1AB0 7ME6920-1AA10-1AB0	
Transmitter MAG 6000 SV for compact and wall mounting; special excitation 44 Hz settings for Batch application DN ≤ 25/1" IP67/NEMA 4X, fibre-glass reinforced polyamide <ul style="list-style-type: none"> • 11 ... 30 V DC / 11 ... 24 V AC • 115/230 V AC, 50/60 Hz 	7ME6920-1AB30-1AA0 7ME6920-1AB10-1AA0	
Transmitter MAG 6000 for 19" rack and wall mounting <ul style="list-style-type: none"> • 11 ... 30 V DC / 11 ... 24 V AC • 115/230 V AC, 50/60 Hz 	7ME6920-2CA30-1AA0 7ME6920-2CA10-1AA0	
Transmitter MAG 6000 19" (DN ≤ 300/12") Insert with safety barrier [EEx ia/ib] IIB ATEX <ul style="list-style-type: none"> • 11 ... 30 V DC / 11 ... 24 V AC • 115/230 V AC, 50/60 Hz 	7ME6920-2NA31-1AA0 7ME6920-2NA11-1AA0	
Transmitter MAG 6000 SV for 19" rack and wall mounting; special excitation 44 Hz settings, Batch application DN ≤ 25/1" <ul style="list-style-type: none"> • 11 ... 30 V DC / 11 ... 24 V AC • 115/230 V AC, 50/60 Hz 	7ME6920-2CB30-1AA0 7ME6920-2CB10-1AA0	
MAG 6000 with IP66/NEMA 4X enclosure; 115/230 V AC, 50/60 Hz	7ME6920-2EA10-1AA0	
MAG 6000 with electrode cleaning unit, complete mounted with IP66/NEMA 4X mounting enclosure <ul style="list-style-type: none"> • 11 ... 30 V DC / 11 ... 24 V AC • 115/230 V AC, 50/60 Hz 	7ME6920-2PA30-1AA0 7ME6920-2PA10-1AA0	

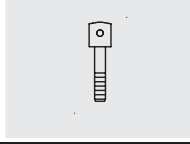


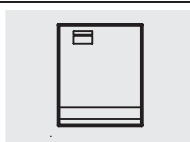
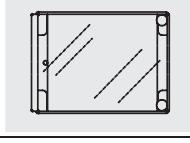
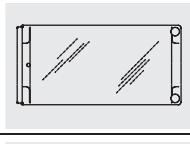
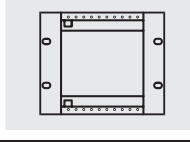
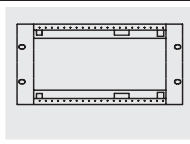
▶ Available ex stock

Transmitter MAGFLO MAG 5000/6000

Description	Order No.	Symbol
MAG 6000 with electrode safety barrier, complete mounted with IP66/NEMA 4X wall mounting enclosure, ATEX, 115/230 V AC, 50/60 Hz	7ME6920-2LA11-1AA0	
<ul style="list-style-type: none"> • DN ≤ 300/12", [EEx ia/ib] IIB • DN ≥ 350/14", [EEx e ia] IIC 	7ME6920-2MA11-1AA0	
MAG 6000 SV, 19" insert, in IP66/NEMA 4X, ABS plastic enclosure, excitation frequency 44 Hz, Batch application DN ≤ 25/1", 11 ... 30 V DC, 11 ... 24 V AC, 50/60 Hz	7ME6920-2EB30-1AA0	

Accessories for MAG 5000 and MAG 6000

Description	Order No.	Symbol
Wall mounting unit for IP67/NEMA 4X version, wall bracket	FDK:085U1001	
<ul style="list-style-type: none"> • 4 x Pg 13.5 cable glands ▶ • 4 x M20 cable glands ▶ 	FDK:085U1018	
Cable for standard electrode or coil, 3 x 1.5 mm ² / 18 gage with shield PVC		
<ul style="list-style-type: none"> • 10 m (33 ft) ▶ • 20 m (65 ft) ▶ • 40 m (130 ft) ▶ • 60 m (200 ft) ▶ • 100 m (330 ft) • 150 m (500 ft) • 200 m (650 ft) • 500 m (1650 ft) 	FDK:083F0121 FDK:083F0210 FDK:083F0211 FDK:083F0212 FDK:083F0213 FDK:083F3052 FDK:083F3053 FDK:083F3054	
Electrode cable for empty pipe or low conductivity, double shielded, 3 x 1.5 mm ² / 18 gage PVC		
<ul style="list-style-type: none"> • 10 m (33 ft) • 20 m (65 ft) ▶ • 40 m (130 ft) • 60 m (200 ft) • 100 m (330 ft) • 150 m (500 ft) • 200 m (650 ft) • 500 m (1650 ft) 	FDK:083F3020 FDK:083F3095 FDK:083F3094 FDK:083F3093 FDK:083F3092 FDK:083F3056 FDK:083F3057 FDK:083F3058	
Cable glands, for above cable, 2 pcs.		
<ul style="list-style-type: none"> • M20 • ½" NPT • PG 13.5 black polyamide (100 °C (212 °F)) • PG 13.5, nickel-plated brass 	On request On request FDK:083G0228 FDK:083G3140	

Description	Order No.	Symbol
Adapter for cable entries		
<ul style="list-style-type: none"> • M20 to PG 13.5 • M20 to ½" NPT • PG 13.5 to ½" NPT, brass • PG 13.5 to ½" NPT, stainless steel • PG 13.5 to ½" NPT, polyamide 	On request On request FDK:083N4394 FDK:083N4395 FDK:083N4396	
Sealing screws for sensor/transmitter, 2 pcs	FDK:085U0221	
Terminal box, in polyamide, inclusive lid		
<ul style="list-style-type: none"> • PG 13.5 • M20 • ½" NPT 	FDK:085U1002 FDK:085U1050 FDK:085U1052	
Potting kit for terminal box of MAGFLO sensors for IP68/NEMA 6P	FDK:085U0220	
19" cleaning unit for electrode cleaning (21TE) incl. back plate		
<ul style="list-style-type: none"> • 11 ... 30 V DC / 11 ... 24 V AC • 115 ... 230 V AC, 50/60 Hz 	FDK:083F5039 FDK:083F5036	
19" safety barrier [EEx e ia] IIC for MAG 3100 Ex, DN 350 ... 2000 (14" ... 78") (21TE), incl. back plate	FDK:083F5034	
Panel mounting enclosure for 19" insert (21TE); IP65/NEMA 4 enclosure in ABS plastic for front panel mounting	FDK:083F5030	
Panel mounting enclosure for 19" insert (42TE); IP65/NEMA 4 enclosure in ABS plastic for front panel mounting	FDK:083F5031	
Back of panel mounting enclosure for 19" insert (21TE); IP20/NEMA 2 enclosure in aluminium	FDK:083F5032	
Back of panel mounting enclosure for 19" insert (42TE); IP20/NEMA 2 enclosure in aluminium	FDK:083F5033	

▶ Available ex stock

Selection and Ordering data	Order No.
Sensor SITRANS F M MAGFLO MAG 1100 Food	7 ME 6 1 4 0 -
	■ A ■ 0 - ■ ■ ■ ■
Diameter	
DN 10 (3/8")	▶ 1 R
DN 15 (1/2")	▶ 1 V
DN 25 (1")	▶ 2 D
DN 40 (1 1/2")	▶ 2 R
DN 50 (2")	▶ 2 Y
DN 65 (2 1/2")	▶ 3 F
DN 80 (3")	▶ 3 M
DN 100 (4")	▶ 3 T
Liner material	
PFA	▶ 1
Ceramic	▶ 2
Electrode material	
Hastelloy C276 (only with PFA liner)	▶ 1
Platinum (only with ceramic liner)	▶ 2
Transmitter	
No transmitter	▶ A
MAG 6000 industry, 18 V ... 90 V DC; 115 ... 230 V AC, 50 ... 60 Hz	▶ C
Communication	
No communication, add-on possible	▶ A
HART	▶ B
PROFIBUS PA	▶ C
PROFIBUS DP	▶ D
MODBUS RTU/RS 485	▶ E
Cable gland entires	
PG 13.5	▶ 0
M20 (standard from January 2006)	▶ 1
1/2" NPT (available from January 2006)	▶ 2

▶ Available ex stock.

Note: Connection fittings must be ordered separately

Additional information	Order code
Please add "-Z" to Order No. and specify Order code(s) and plain text.	
Customer specific converter setup	Y20
Tag name plate, stainless steel fixed with SS wire (add plain text)	Y17
Tag name plate, plastic (self adhesive)	Y18
Factory certificate according to EN 10204-2.1	C15
Factory certificate according to EN 10204-2.2	C14
Sensor cables wired (specify cable order no.)	Y40
Junction box potted to IP68 with wired cable	Y41
Other postproduction requirements (add desired text)	Y99

Please use online Product selector to get latest updates.

Product selector link:

www.pia-selector.com/scripts/wgate/zstore!/?~LAN-GUAGE=en&~OkCode=EV_INIT_PROC-DF

Please also see www.siemens.com/SITRANSFordering for practical examples of ordering

SITRANS F flowmeters

SITRANS F M

MAGFLO MAG 1100 Food

Accessories

Order No.

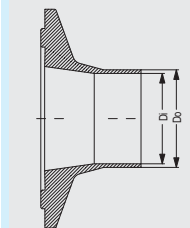
Weld in connection fittings for MAGFLO MAG 1100 Food

Each of the following accessory order nos. comprises:

- 2 pcs. fittings
- 2 pcs. clamps (to join flow sensor and fitting)
- 2 pcs. EPDM gaskets

DIN 11850

Adapter		Sensor	
DN (mm)	D _o (mm)	D _i (mm)	DN (mm)



10	13	10	10	▶	FDK:083G2116
15	19	16	15	▶	FDK:083G2117
20	23	20	15	▶	FDK:083G2118
25	29	26	25	▶	FDK:083G2119
32	35	32	25	▶	FDK:083G2120
40	41	38	40	▶	FDK:083G2121
50	53	50	50	▶	FDK:083G2122
65	70	66	65	▶	FDK:083G2123
80	85	81	80	▶	FDK:083G2124
100	104	100	100	▶	FDK:083G2125

DS/ISO 2037

Adapter		Sensor	
DN (mm)	D _o (mm)	D _i (mm)	DN (mm)

10	13	10	10	▶	FDK:083G2116
15	19	16	15	▶	FDK:083G2117
20	23	20	15	▶	FDK:083G2118
25	25.6	22.6	25	▶	FDK:083G2109
28	28.6	25.6	25	▶	FDK:083G2100
33.7	34.3	31.3	25	▶	FDK:083G2110
38	38.6	35.6	40	▶	FDK:083G2111
40	40.6	37.6	40	▶	FDK:083G2101
51	51.6	48.6	50	▶	FDK:083G2112
63.5	64.1	60.3	65	▶	FDK:083G2113
70	70.6	66.8	65	▶	FDK:083G2103
76.1	76.7	72.9	80	▶	FDK:083G2114
88.9	88.9	84.9	80	▶	FDK:083G2104
101.6	102.5	97.6	100	▶	FDK:083G2115
114.3	115.6	110.3	100	▶	FDK:083G2105

SMS 3008

Adapter		Sensor	
DN (mm)	D _o (mm)	D _i (mm)	DN (mm)

10	13	10	10	▶	FDK:083G2116
15	19	16	15	▶	FDK:083G2117
20	23	20	15	▶	FDK:083G2118
25	25.6	22.6	25	▶	FDK:083G2109
32	32	29.6	25	▶	FDK:083G2102
33.7	34.3	31.3	25	▶	FDK:083G2110
38	38.6	35.6	40	▶	FDK:083G2111
51	51.6	48.6	50	▶	FDK:083G2112
63.5	64.1	60.3	65	▶	FDK:083G2113
76	76	72	65	▶	FDK:083G2106
76.1	76.7	72.9	80	▶	FDK:083G2114
88.9	88.9	84.9	80	▶	FDK:083G2104
101.6	102.5	97.6	100	▶	FDK:083G2115

Accessories

Order No.

Weld in connection fittings for MAGFLO MAG 1100 Food

Each of the following accessory order nos. comprises:

- 2 pcs. fittings
- 2 pcs. clamps (to join flow sensor and fitting)
- 2 pcs. EPDM gaskets

114.3 115.6 110.3 100 ▶ **FDK:083G2105**

BS 4825-1

Adapter		Sensor	
DN (mm)	D _o (mm)	D _i (mm)	DN (mm)

10	13	10	10	▶	FDK:083G2116
15	19	16	15	▶	FDK:083G2117
20	23	20	15	▶	FDK:083G2118
25	25.6	22.6	25	▶	FDK:083G2109
38	38.6	35.6	40	▶	FDK:083G2111
51	51.6	48.6	50	▶	FDK:083G2112
63.5	64.1	60.3	65	▶	FDK:083G2113
76.1	76.7	72.9	80	▶	FDK:083G2114
101.6	102.5	97.6	100	▶	FDK:083G2115
114.3	115.6	110.3	100	▶	FDK:083G2105

Tri-Clover®

Adapter		Sensor	
DN (mm)	D _o (mm)	D _i (mm)	DN (mm)

10	12.7	9.4	10	▶	FDK:083G2276
15.9	19.05	15.75	15	▶	FDK:083G2277
25	25.4	22.1	25	▶	FDK:083G2279
38	38.1	34.8	40	▶	FDK:083G2281
51	50.8	47.5	50	▶	FDK:083G2282
63.5	63.5	60.2	65	▶	FDK:083G2283
76.1	76.2	72.9	80	▶	FDK:083G2284
102	101.6	97.38	100	▶	FDK:083G2285

Tri-Clover® is a registered trademark of Ladish Co.

- ▶ Available ex stock.
- D_o: outer diameter
- D_i: inner diameter

Selection and Ordering data	Order No.
Sensor SITRANS F M	
MAGFLO MAG 3100	7ME6310-
Diameter	
DN 15 (1/2") (PTFE liner only)	▶ 1 V
DN 25 (1")	▶ 2 D
DN 40 (1 1/2")	▶ 2 R
DN 50 (2")	▶ 2 Y
DN 65 (2 1/2")	▶ 3 F
DN 80 (3")	▶ 3 M
DN 100 (4")	▶ 3 T
DN 125 (5")	▶ 4 B
DN 150 (6")	▶ 4 H
DN 200 (8")	▶ 4 P
DN 250 (10")	▶ 4 V
DN 300 (12")	5 D
DN 350 (14")	5 K
DN 400 (16")	5 R
DN 450 (18")	5 Y
DN 500 (20")	6 F
DN 600 (24")	6 P
DN 700 (28")	6 Y
DN 750 (30")	7 D
DN 800 (32")	7 H
DN 900 (36")	7 M
DN 1000 (40")	7 R
DN 1050 (42")	7 U
DN 1100 (44")	7 V
DN 1200 (48")	8 B
DN 1400 (54")	8 F
DN 1500 (60")	8 K
DN 1600 (66")	8 P
DN 1800 (72")	8 T
DN 2000 (78")	8 Y
Flange norm and pressure rating	
to EN 1092-1	
PN 6 (DN 65 ... 2000 (2 1/2" ... 78"))	▶ A
PN 10 (DN 200 ... 2000 (8" ... 78"))	▶ B
PN 16 (DN 65 ... 2000 (2 1/2" ... 78"))	▶ C
PN 16, non PED (DN 700 ... 2000 (28" ... 78"))	D
PN 25 (DN 200 ... 600 (8" ... 24"))	E
PN 40 (DN 15 ... 600 (1/2" ... 24"))	F
PN 63 (DN 50 ... 400 (2" ... 16")), not PTFE	G
PN 100 (DN 25 ... 350 (1" ... 12")), not PTFE	H
to ANSI B16.5	
Class 150 (1/2" ... 24")	J
Class 300 (1/2" ... 24")	K
to AWWA C207	
Class D (28" ... 78")	L
to AS	
2129, table E	M
4087, PN 16 (DN 50 ... 1200 (2" ... 48"))	N
4087, PN 21 (DN 50 ... 600 (2" ... 24"))	P
4087, PN 35 (DN 50 ... 600 (2" ... 24"))	Q
Flange material	
Carbon steel flanges ASTM A 105	▶ 1
Stainless steel flanges, AISI 304	2
Stainless steel flanges and sensor body, AISI 316L, polished	3

Please also see www.siemens.com/SITRANSOrdering for practical examples of ordering

Selection and Ordering data	Order No.
Sensor SITRANS F M	
MAGFLO MAG 3100	7ME6310-
Liner material	
Neoprene	1
EPDM	2
PTFE (DN ≤ 300, PN ≤ 50 bar / ≤ 12", PN ≤ 725 psi)	▶ 3
PTFE (350 ≤ DN ≤ 600, PN ≤ 40 bar / 14" ≤ DN ≤ 24", PN ≤ 580 psi)	
Ebonite	4
Linatex (PN ≤ 40 bar (580 psi)) DN ≤ 600/24"	5
Electrode material (grounding electrodes not for PTFE liner)	
AISI 316 TI	1
Hastelloy C276	▶ 2
Platinum (no PE electrodes)	3
Titanium	4
Tantalum (no PE electrodes)	5
Transmitter	
No transmitter	▶ A
MAG 6000 Industry, 18 ... 90 V DC, 115 ... 230 V AC, 50 ... 60 Hz, standard	C
Communication	
No communication, add-on possible	A
HART	B
PROFIBUS PA	C
PROFIBUS DP	D
MODBUS RTU/RS 485	E
Cable gland entires	
PG 13.5	0
M20 (standard from January 2006), not for ANSI flanges	▶ 1
1/2" NPT (available from January 2006), only available for ANSI flanges	▶ 2
▶ Available ex stock.	

Additional information	Order code
Please add "-Z" to Order No. and specify Order code(s) and plain text.	
Customer specific converter setup	Y20
Tag name plate, stainless steel fixed with SS wire (add plain text)	Y17
Tag name plate, plastic (self adhesive)	Y18
Factory certificate according to EN 10204-2.1	C15
Factory certificate according to EN 10204-2.2	C14
Sensor cables wired (specify cable order no.)	Y40
Junction box potted to IP68 with wired cable	Y41
Other postproduction requirements (add desired text)	Y99

Description	Order No.	Symbol
Potting kit for terminal box of MAGFLO sensors for IP68/NEMA 6P	FDK:085U0220	

Please use online Product selector to get latest updates.

Product selector link:
www.pia-selector.com/scripts/wgate/zstore/!~LAN-GUAGE=en&~OkCode=EV_INIT_PROC-DF

Selection and Ordering data	Order No.
Sensor SITRANS F M	
MAGFLO MAG 3100 Ex, ATEX	7 ME 6 3 3 0 -
Diameter	
DN 15 (1/2") (PTFE liner only)	1 V
DN 25 (1")	2 D
DN 40 (1 1/2")	2 R
DN 50 (2")	2 Y
DN 65 (2 1/2")	3 F
DN 80 (3")	3 M
DN 100 (4")	3 T
DN 125 (5")	4 B
DN 150 (6")	4 H
DN 200 (8")	4 P
DN 250 (10")	4 V
DN 300 (12")	5 D
DN 350 (14")	5 K
DN 400 (16")	5 R
DN 450 (18")	5 Y
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DN 600 (24")	6 P
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DN 1050 (42")	7 U
DN 1100 (44")	7 V
DN 1200 (48")	8 B
DN 1400 (54")	8 F
DN 1500 (60")	8 K
DN 1600 (66")	8 P
DN 1800 (72")	8 T
DN 2000 (78")	8 Y
Flange norm and pressure rating	
<u>to EN 1092-1</u>	
PN 6 (DN 65 ... 2000 (2 1/2" ... 78"))	A
PN 10 (DN 200 ... 2000 (8" ... 78"))	B
PN 16 (DN 65 ... 2000 (2 1/2" ... 78"))	C
PN 16, non PED (DN 700 ... 2000 (28" ... 78"))	D
PN 25 (DN 200 ... 600 (8" ... 24"))	E
PN 40 (DN 15 ... 600 (1/2" ... 24"))	F
PN 63 (DN 50 ... 400 (2" ... 16")), not PTFE	G
PN 100 (DN 25 ... 350 (1" ... 12")), not PTFE	H
<u>to ANSI B16.5</u>	
Class 150 (1/2" ... 24")	J
Class 300 (1/2" ... 24")	K
<u>to AWWA C207</u>	
Class D (28" ... 78")	L
<u>to AS</u>	
2129, table E	M
4087, PN 16 (DN 50 ... 1200 (2" ... 48"))	N
4087, PN 21 (DN 50 ... 600 (2" ... 24"))	P
4087, PN 35 (DN 50 ... 600 (2" ... 24"))	Q

Selection and Ordering data	Order No.
Sensor SITRANS F M	
MAGFLO MAG 3100 Ex, ATEX	7 ME 6 3 3 0 -
Flange material	
Carbon steel flanges ASTM A 105	1
Stainless steel flanges, AISI 304	2
Stainless steel flanges and sensor body, AISI 316L, polished	3
Liner material	
Neoprene	1
EPDM	2
PTFE (DN ≤ 300, PN ≤ 50 bar / ≤ 12", PN ≤ 725 psi),	3
PTFE (350 ≤ DN ≤ 600, PN ≤ 40 bar / 14" ≤ DN ≤ 24", PN ≤ 580 psi)	
Ebonite	4
Linatex (PN ≤ 40 bar (580 psi)) DN ≤ 600/24"	5
Electrode material (grounding electrodes not for PTFE liner)	
AISI 316 TI	1
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Platinum (no PE electrodes)	3
Titanium	4
Tantalum (no PE electrodes)	5
Transmitter	
No transmitter	A
MAG 6000 Industry, 18 V ... 30 V DC, ATEX	D
MAG 6000 Industry, 115 V ... 230 V, ATEX	E
Communication	
No communication	A
HART	B
PROFIBUS PA	C
Cable gland entires	
PG 13.5	0
M20 (standard from January 2006), not for ANSI flanges	1
1/2" NPT (available from January 2006), only available for ANSI flanges	2

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Please add "-Z" to Order No. and specify Order code(s) and plain text.	
Customer specific converter setup	Y20
Tag name plate, stainless steel fixed with SS wire (add plain text)	Y17
Tag name plate, plastic (self adhesive)	Y18
Factory certificate according to EN 10204-2.1	C15
Factory certificate according to EN 10204-2.2	C14
Power cable wired, specify cable order no.	Y40
Junction box IP68 with wired cable	Y41
Customer specific test	Y90
Other postproduction requirements (add desired text)	Y99

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