



GF100 TÖMEGÁRAM SZABÁLYZÓ

Széria GF80, GF81, GF100, GF101, GF120,
GF120XSL, GF120XSD, GF121, GF125, GF126,
GF135

GF81

- Minden típusú gázhoz 34 bar-ig max. 50 ° C-ig
- 0,003–36 000 l / perc tartomány
- Teljes körű áramlási területek 300 sl / percig (ref. N2)
- 0-10V, 4-20 mA kimenet
- Nagy pontosság, stabilitás és válaszidő



TERMÉKLEÍRÁS

A Brooks GF-100-120-125 termikus tömegáramlás-szabályozó/tömegárammérő a legtöbb alkalmazásra felhasználható, amikor bármilyen típusú gázok mérésére és szabályozására van szükség.

Megrendelésével és bővebb felvilágosításért forduljon Bjarne Österberghez a bjarne.osterberg@oemautomatic.se e-mail címen vagy a +46 075 242 4251-es telefonszámon.

Model Code			
Code Description	Code Option	Option Description	
I. Base Model Code	GF40	Elastomer / Range Flow (0-50 slpm)	
	GF80	Metal / Range Flow (0-50 slpm)	
II. Configurability	C	Multiflo Capable. Standard Bins or specific gas range may be selected.	
	X	Not Multiflo Capable. Specific gasrange required.	
III. Special Application	XX	Standard	
IV. Valve Configuration	C	Normally Closed Valve	
	O	Normally Open Valve (GF40 only)	
	M	Meter (No Valve)	
V. Multiflo Bin & Range or Gas & Range (Standard)	XXXX XXXX	Specific Gas Code & Range, example: "0004" = Argon and "010L" = 10 slpm	
	SA40 010C	Standard Configuration #40, 7-10 sccm N2 Eq. @ 0 deg C Ref Temp.	
	SA41 030C	Standard Configuration #41, 11-30 sccm N2 Eq. @ 0 deg C Ref Temp.	
	SA42 092C	Standard Configuration #42, 31-92 sccm N2 Eq. @ 0 deg C Ref Temp.	
	SA43 280C	Standard Configuration #43, 93-280 sccm N2 Eq. @ 0 deg C Ref Temp.	
	SA44 860C	Standard Configuration #44, 281-860 sccm N2 Eq. @ 0 deg C Ref Temp.	
	SA45 2-4L	Standard Configuration #45, 861-2600 sccm N2 Eq. @ 0 deg C Ref Temp.	
	SA46 7-2L	Standard Configuration #46, 2601-7200 sccm N2 Eq. @ 0 deg C Ref Temp.	
	SA47 015L	Standard Configuration #47, 7201-15000 sccm N2 Eq. @ 0 deg C Ref Temp.	
	SA48 010L	Standard Configuration #48, 15001-10000 sccm N2 Eq. @ 0 deg C Ref Temp.	
	SA50 050L	Standard Configuration #50, 30001-50000 sccm N2 Eq. @ 0 deg C Ref Temp.	
VI. Fitting	XX	9/16" - 18 UNF (GF40 Only)	
	CX	1-1/8" C Seal 9/2mm (GF80 Only)	
	T1	1/8" tube compression (GF40 Only)	
	T2	1/4" tube compression (GF40 Only)	
	T3	3/8" tube compression (GF40 Only)	
	T4	1/2" tube compression (GF40 Only)	
	T6	6 mm tube compression (GF40 Only)	
	T0	10 mm tube compression (GF40 Only)	
	B2	1 1/4" BC (GF40 Only)	
	VX	1/4" VCR (GF40, GF80)	
	O2	1/4" VCO (GF40 Only)	
	N2	1/8" NPT (GF40 Only)	
VII. Downstream Condition	A	Atmosphere	
	V	Vacuum	
	P	Positive Pressure	
VIII. External Seals, Valve Seat	B	Seal Buna / Seat Buna (GF40 Only)	
	F	Seal EPDM / Seat EPDM (GF40 Only)	
	K	Seal Kalrez / Seat Kalrez (GF40 Only)	
	N	Seal Neoprene / Seat Neoprene (GF40 Only)	
	V	Seal Viton / Seat Viton (GF40 Only)	
	M	Seal Metal / Seat PEEK (GF40 Only)	
	Z	Seal Nickel / Seat Kalrez (GF80 Only)	
IX. Communications / Connector	PS	Profibus / Analog (Input 0-5 V; Output 0-5 V); 5-Pin Female D conn. / 15-Pin Male D conn.	
	PD	Profibus / Analog (Input 0-20 mA; Output 0-20 mA); 9-Pin Female D conn. / 15-Pin Male D conn.	
	PA	Profibus / Analog (Input 4-20 mA; Output 4-20 mA); 9-Pin Female D conn. / 15-Pin Male D conn.	
	ES	EtherCAT™ (Output 0-5 V); 2x3ES signal 2-Pin power	
	D5	DeviceNet / Analog (Output 0-5 V); 5-Pin micro signal and power / 3-Pin analog signal	
	S5	RS485 (S-Protocol)/Analog (Input 0-5 V; Output 0-5 V); 15-Pin Male D (Pin alignment with Brooks SLA 50)	
	T1	RS485 (S-Protocol)/Analog (Input 0-10 V; Output 0-10 V); 15-Pin Male D (Pin alignment with Brooks SLA 50)	
	S0	RS485 (S-Protocol)/Analog (Input 0-20 mA; Output 0-20 mA); 15-Pin Male D (Pin alignment with Brooks SLA 50)	
	S4	RS485 (V-Protocol)/Analog (Input 4-20 mA; Output 4-20 mA); 15-Pin Male D (Pin alignment with Brooks SLA 50)	
	L5	RS485 (L-Protocol)/Analog (Input 0-5 V; Output 0-5 V); 15-Pin Male D (Pin alignment with Brooks SLA 50)	
	L1	RS485 (L-Protocol)/Analog (Input 0-10 V; Output 0-10 V); 15-Pin Male D (Pin alignment with Brooks SLA 50)	
	I0	RS485 (I-Protocol)/Analog (Input 0-20 mA; Output 0-20 mA); 15-Pin Male D (Pin alignment with Brooks SLA 50)	
	I4	RS485 (I-Protocol)/Analog (Input 4-20 mA; Output 4-20 mA); 15-Pin Male D (Pin alignment with Brooks SLA 50)	
	A5	RS485 (A-Protocol)/Analog (Input 0-5 V; Output 0-5 V); 15-Pin Male D (Pin alignment with Brooks SLA 50)	
	A3	RS485 (A-Protocol)/Analog (Input 0-10 V; Output 0-10 V); 15-Pin Male D (Pin alignment with Brooks SLA 50)	
	A0	RS485 (A-Protocol)/Analog (Input 0-20 mA; Output 0-20 mA); 15-Pin Male D (Pin alignment with Brooks SLA 50)	
	A4	RS485 (A-Protocol)/Analog (Input 4-20 mA; Output 4-20 mA); 15-Pin Male D (Pin alignment with Brooks SLA 50)	
X. Customer Special Request	XXXX	Customer Special Request Number	
XI. Auto Shut-Off (Included)	A	Auto Shut-Off (Included)	
	X	Auto Shut-Off (Not Included)	
XII. Auto Zero	A	Auto Zero (Included)	
	X	Auto Zero (Not Included)	
XIII. Reference Temperature	DDC	0°C Reference	
	15C	15°C Reference	
	20C	20°C Reference	
	70F	21.1°C Reference / 70°F Reference	

Example Model Code

I	II	III	IV		V		VI	VII	VIII	IX		X	XI	XII		XIII
GF40	C	XX	C	-	001300C	-	T2	A	V	PS	-	XXXX	X	A	-	20C

MŰSZAKI ADATOK

Felületkiképzés	0,6 μm Ra
Jóváhagyások	CE, EN61010-1, EN61326: 2006 (FCC Part 15 & Canada IC-subset of CE testing), RoHS
Külső szivárgás	1x10-10 cc/sek (He)
Közeghőmérséklet eddig:	50 °C
Max. differenciálynomás	6,2 bar
Max. szállítási távolság	51-300sl/m
Max. üzemi hőmérséklet	50 °C
Max. üzemi nyomás	5 bar
Min. differenciálynomás	2 bar
Min. üzemi hőmérséklet	5 °C
Nyomástartomány max. értéke	10 bar
Szabályozási tartomány	5-100%
Válaszidő	<1 s