



GF100 TÖMEGÁRAM SZABÁLYZÓ

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

GF121

- 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 gas range 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 "0101" = 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 D15L	Standard Configuration #47, 7201-15000 sccm N2 Eq. @ 0 deg C Ref Temp.	
	SA48 D30L	Standard Configuration #48, 15001-30000 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)
CK		1-1/8" C Seal 92mm (GF80 Only)	
TL		1/8" tube compression (GF40 Only)	
Y2		1/8" tube compression (GF40 Only)	
Y3		3/8" tube compression (GF40 Only)	
Y4		1/2" tube compression (GF40 Only)	
Y6		6 mm tube compression (GF40 Only)	
Y8		10 mm tube compression (GF40 Only)	
82		1/4" RC (859) (GF40 Only)	
VK		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 Seal, Valve Seat	B	Seal Buna / Seat Buna (GF40 Only)	
	E	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 PFA (GF80 Only)	
	Z	Seal Nickel / Seat Kalrez (GF80 Only)	
	IX. Communications / Connector	PS	Profibus / Analog (Output 0-5 V, Output 0-5 V); 9-Pin Female D conn. / 15-Pin Male D conn.
PD		Profibus / Analog (Output 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), 2x8ES 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 SIA 50)	
51		RS485 (S-Protocol)/Analog (Input 0-10 V, Output 0-10 V); 15-Pin Male D (Pin alignment with Brooks SIA 50)	
50		RS485 (S-Protocol)/Analog (Input 0-20 mA, Output 0-20 mA); 15-Pin Male D (Pin alignment with Brooks SIA 50)	
54		RS485 (V-Protocol)/Analog (Input 4-20 mA, Output 4-20 mA); 15-Pin Male D (Pin alignment with Brooks SIA 50)	
L5		RS485 (L-Protocol)/Analog (Input 0-5 V, Output 0-5 V); 15-Pin Male D (Pin alignment with Brooks SIA 50)	
L1		RS485 (L-Protocol)/Analog (Input 0-10 V, Output 0-10 V); 15-Pin Male D (Pin alignment with Brooks SIA 50)	
I0		RS485 (I-Protocol)/Analog (Input 0-20 mA, Output 0-20 mA); 15-Pin Male D (Pin alignment with Brooks SIA 50)	
I4		RS485 (I-Protocol)/Analog (Input 4-20 mA, Output 4-20 mA); 15-Pin Male D (Pin alignment with Brooks SIA 50)	
A5		RS485 (A-Protocol)/Analog (Input 0-5 V, Output 0-5 V); 15-Pin Male D (Pin alignment with Brooks SIA 50)	
A1		RS485 (A-Protocol)/Analog (Input 0-10 V, Output 0-10 V); 15-Pin Male D (Pin alignment with Brooks SIA 50)	
A0		RS485 (A-Protocol)/Analog (Input 0-20 mA, Output 0-20 mA); 15-Pin Male D (Pin alignment with Brooks SIA 50)	
A4		RS485 (A-Protocol)/Analog (Input 4-20 mA, Output 4-20 mA); 15-Pin Male D (Pin alignment with Brooks SIA 50)	
X. Customer Special Request		XXXX	Customer Special Request Number
XI. Auto Shut-Off	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	-	0013300C	-	T2	A	V	PS	-	XXXX X A - 20C

MŰSZAKI ADATOK

Data	RS485, DeviceNet
Diagnosztikai/szervizport	RS-485 via 2.5mm jack
Differenciálynomás	30-90 psid
Felületkiképzés	5 µm Ra
Külső szivárgás	1x10-10 atm. cc/sec He
Közeghőmérséklet eddig:	50 °C
Közeghőmérséklet ettől:	10 °C
Lökésszerű nyomás	206 bar
Max. szállítási távolság	55 In/min
Max. üzemi hőmérséklet	50 °C
Max. üzemi nyomás	10 bar
Min. üzemi hőmérséklet	10 °C
Nyomástartomány max. értéke	48 bar
Rendszerint nyitott szelep bezár	N/A

Rendszerint zárt szelep bezár	< 2%F.S
Szabályozási tartomány	5-100% (Normally Closed Valve)
Szelep típusa	NC
Válaszidő	<1 s
Vízzel érintkező alkatrészek anyaga	Hastelloy, Rozsdamentes acél 304, Rozsdamentes acél 316