



GF100 TÖMEGÁRAM SZABÁLYZÓ

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

GF126

- 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	Option
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 "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 9/32mm (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)
	T8	10 mm tube compression (GF40 Only)
	B2	1/4" BC (BSF) (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 FPM / Seat FPM (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); 9-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); 2x825 signal 2-Pin power
	DS	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 SSI)
	T1	RS485 (S-Protocol)/Analog (Input 0-10 V; Output 0-10 V); 15-Pin Male D (Pin alignment with Brooks SLA SSI)
	S0	RS485 (S-Protocol)/Analog (Input 0-20 mA; Output 0-20 mA); 15-Pin Male D (Pin alignment with Brooks SLA SSI)
	S4	RS485 (S-Protocol)/Analog (Input 4-20 mA; Output 4-20 mA); 15-Pin Male D (Pin alignment with Brooks SLA SSI)
	L5	RS485 (L-Protocol)/Analog (Input 0-5 V; Output 0-5 V); 15-Pin Male D (Pin alignment with Brooks SLA SSI)
	L1	RS485 (L-Protocol)/Analog (Input 0-10 V; Output 0-10 V); 15-Pin Male D (Pin alignment with Brooks SLA SSI)
	I0	RS485 (I-Protocol)/Analog (Input 0-20 mA; Output 0-20 mA); 15-Pin Male D (Pin alignment with Brooks SLA SSI)
	I4	RS485 (I-Protocol)/Analog (Input 4-20 mA; Output 4-20 mA); 15-Pin Male D (Pin alignment with Brooks SLA SSI)
	A5	RS485 (A-Protocol)/Analog (Input 0-5 V; Output 0-5 V); 15-Pin Male D (Pin alignment with Brooks SLA SSI)
	A3	RS485 (A-Protocol)/Analog (Input 0-10 V; Output 0-10 V); 15-Pin Male D (Pin alignment with Brooks SLA SSI)
	A0	RS485 (A-Protocol)/Analog (Input 0-20 mA; Output 0-20 mA); 15-Pin Male D (Pin alignment with Brooks SLA SSI)
	A4	RS485 (A-Protocol)/Analog (Input 4-20 mA; Output 4-20 mA); 15-Pin Male D (Pin alignment with Brooks SLA SSI)
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
GF40	C	XX	C	-	001300C	-	T2	A	V	PS	-	XXXX

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	34 bar
Max. szállítási távolság	55 ln/min
Max. üzemi hőmérséklet	50 °C
Max. üzemi nyomás	10 bar
Min. üzemi hőmérséklet	10 °C
Nyomástartomány max. értéke	11 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