



GF100 TÖMEGÁRAM SZABÁLYZÓ

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

GF101

- 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 "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)
		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); 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 SLA S8)
		T1	RS485 (S-Protocol)/Analog (Input 0-10 V; Output 0-10 V); 15-Pin Male D (Pin alignment with Brooks SLA S8)
		S0	RS485 (S-Protocol)/Analog (Input 0-20 mA; Output 0-20 mA); 15-Pin Male D (Pin alignment with Brooks SLA S8)
		S4	RS485 (S-Protocol)/Analog (Input 4-20 mA; Output 4-20 mA); 15-Pin Male D (Pin alignment with Brooks SLA S8)
		L5	RS485 (L-Protocol)/Analog (Input 0-5 V; Output 0-5 V); 15-Pin Male D (Pin alignment with Brooks SLA S8)
		L1	RS485 (L-Protocol)/Analog (Input 0-10 V; Output 0-10 V); 15-Pin Male D (Pin alignment with Brooks SLA S8)
		I0	RS485 (I-Protocol)/Analog (Input 0-20 mA; Output 0-20 mA); 15-Pin Male D (Pin alignment with Brooks SLA S8)
		I4	RS485 (I-Protocol)/Analog (Input 4-20 mA; Output 4-20 mA); 15-Pin Male D (Pin alignment with Brooks SLA S8)
		A5	RS485 (A-Protocol)/Analog (Input 0-5 V; Output 0-5 V); 15-Pin Male D (Pin alignment with Brooks SLA S8)
		A3	RS485 (A-Protocol)/Analog (Input 0-10 V; Output 0-10 V); 15-Pin Male D (Pin alignment with Brooks SLA S8)
		A0	RS485 (A-Protocol)/Analog (Input 0-20 mA; Output 0-20 mA); 15-Pin Male D (Pin alignment with Brooks SLA S8)
		A4	RS485 (A-Protocol)/Analog (Input 4-20 mA; Output 4-20 mA); 15-Pin Male D (Pin alignment with Brooks SLA S8)
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 X A - 20C

MŰSZAKI ADATOK

Data	RS485, DeviceNet
Diagnosztikai/szervizport	RS-485 via 2.5mm jack
Differenciálnyomás	30-90 psid
Felületkiképzés	10 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 ln/min
Max. üzemi hőmérséklet	50 °C
Max. üzemi nyomás	10 bar
Min. üzemi hőmérséklet	10 °C
Nyomástartomány max. értéke	55 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