

Filterregler | BGO



Abb. zeigt:
92100.CC00

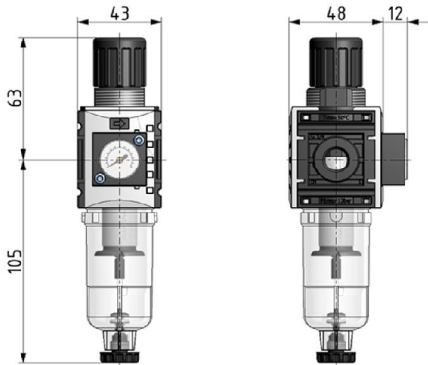
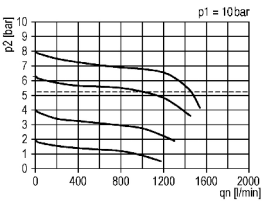
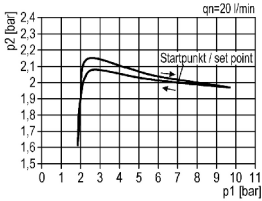


Abb. zeigt:
92100.CC00

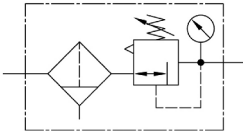
Durchflussdiagramm



Hysteresse



Symbole



Technische Daten

- **Bauart:** Sinterfilter Zentrifugal-Prinzip; Membran-Druckregler mit Sekundärentlüftung
- **Medium:** Druckluft, neutrale Gase
- **Eingangsdruck P1 min.:** 1,5 bar
- **Eingangsdruck P1 max.:** 12 bar
- **Temperaturbereich:** 0 - 50°C
- **Behälter:** PC
- **Ablass:** HA
- **Einbaulage:** senkrecht
- **Porenweite:** 5 µm

Zubehör



- **Befestigungswinkel:**
[KBW.0-1225](#)



- **Koppelpaket Wandmontage:**
[KKOP.0W](#)



- **Schalttafelbefestigung:**
[KBW.0-1227 + C.00-34](#)

- **Manometeradapter:**
[KKPS.0-54](#)

Artikel-Typ	Artikel-Nummer	Gerätebeschreibung
KFRG-014/8 G	92100.CC00	Filterregler G1/4 0,5-8 5µm mit PC-Behälter, halbautomatischem Ablass und integriertem Manometer
KFRG-014/8 AM G	92100.CC01	Filterregler G1/4 0,5-8 5µm mit PC-Behälter, vollautomatischem Ablass und integriertem Manometer
KFRG-014/8 M G	92100.CC50	Filterregler G1/4 0,5-8 5µm mit Metallbehälter, halbautomatischem Ablass und integriertem Manometer
KFRG-014/8 M AMG	92100.CC51	Filterregler G1/4 0,5-8 5µm mit Metallbehälter, vollautomatischem Ablass und integriertem Manometer

Wartungseinheit 3-teilig

Wartungseinheit 2-teilig

Filterregler

Filter

Druckregelventile

Öler

System-Erweiterungen

Zubehör

Sondergeräte

Filterregler | BG1



Abb. zeigt:
92101.CC00

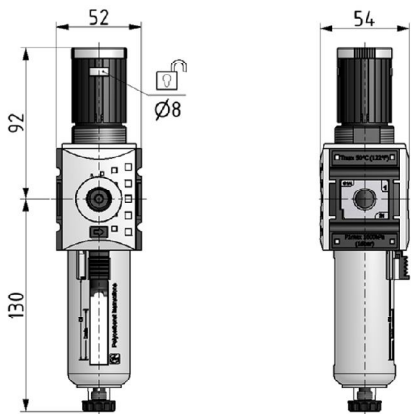
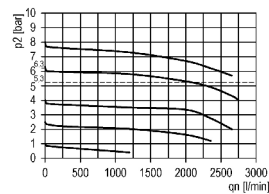
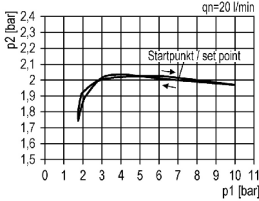


Abb. zeigt:
92101.CC00

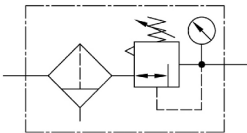
Durchflussdiagramm



Hysterese



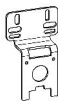
Symbole



Technische Daten

- **Bauart:** Sinterfilter Zentrifugal-Prinzip; Membran-Druckregler mit Sekundärentlüftung
- **Medium:** Druckluft, neutrale Gase
- **Eingangsdruck P1 min.:** 1,5 bar
- **Eingangsdruck P1 max.:** 16 bar
- **Temperaturbereich:** 0 - 50°C
- **Behälter:** PC mit Schutzkorb PA
- **Abläss:** HA
- **Sicherung:** abschließbares Handrad
- **Einbaulage:** senkrecht
- **Porenweite:** 5 µm

Zubehör



- **Befestigungswinkel:**
[KBW.1-1225](#)



- **Koppelpaket Wandmontage:**
[KKOP.1W](#)



- **Schalttafelbefestigung:**
[KBW.1-1227 + SM.1](#)

- **Steckschloss:** VH.31 ohne Schlüssel oder VH.32 mit Schlüssel

Wartungseinheit 3-teilig

Wartungseinheit 2-teilig

Filterregler

Filter

Druckregelventile

Öler

System-Erweiterungen

Zubehör

Sondergeräte

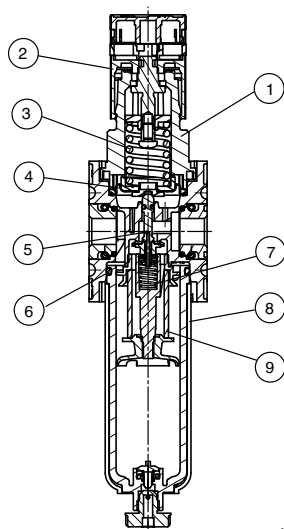
- Wartungseinheit 3-teilig
- Wartungseinheit 2-teilig
- Filterregler
- Filter
- Druckregelventile
- Öler
- System-Erweiterungen
- Zubehör
- Sondergeräte

Artikel-Typ	Artikel-Nummer	Gerätebeschreibung
KFRG-114/8	92101.CC00	Filterregler G1/4 0,5-8 5µm mit PC-Behälter, Schutzkorb und halbautomatischem Ablass
KFRG-114/8 AM	92101.CC01	Filterregler G1/4 0,5-8 5µm mit PC-Behälter, Schutzkorb und vollautomatischem Ablass
KFRG-114/8 H	92101.CC50	Filterregler G1/4 0,5-8 5µm mit Metallbehälter und halbautomatischem Ablass
KFRG-114/8 H AM	92101.CC51	Filterregler G1/4 0,5-8 5µm mit Metallbehälter und vollautomatischem Ablass
KFRG-138/8	92101.DD00	Filterregler G3/8 0,5-8 5µm mit PC-Behälter, Schutzkorb und halbautomatischem Ablass
KFRG-138/8 AM	92101.DD01	Filterregler G3/8 0,5-8 5µm mit PC-Behälter, Schutzkorb und vollautomatischem Ablass
KFRG-138/8 H	92101.DD50	Filterregler G3/8 0,5-8 5µm mit Metallbehälter und halbautomatischem Ablass
KFRG-138/8 H AM	92101.DD51	Filterregler G3/8 0,5-8 5µm mit Metallbehälter und vollautomatischem Ablass

item	type	KFRG-238/* G	KFRG-212/* G
port size		G 3/8	G 1/2
description		sinter filter centrifugal principle, Diaphragm-type pressure regulator with secondary air exhaust	
medium		compressed air, neutral gases	
mounting		vertical	
medium- and ambient temperature		max. 50 °C	
supply pressure		Pe max. 16 bar Pe min. 1,5 bar semi-automatic and fully automatic drain	
reduced pressure [3]		0,5-8 bar Standard 0,1-1 bar, 0,1-2 bar, 0,2-4 bar, 0,5-10 bar, 0,5-16 bar	
filter element		5 µm Standard	
bowl volume		filter: 49 cm ³	
drain model		semi-automatic	
fixing		control panel installation, mounting bracket, wall mounting	
weight		0,680 kg	



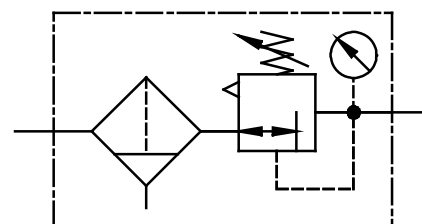
material: Grivory (PA66) / IXEF1022



parts

no.	designation		material	order-no.
1	spring cage	FH.2-600	POM	---
2	setting knob	FH.2-625	POM	---
3	spring	FED.2-703	galvanised steel	---
4	membrane	C.22-75	brass-NBR-PA6	ES
5	valve cone	VK.2-420	brass-NBR-POM	ES
6	o-ring 37,5x2,5	OR.0-5	NBR	ES
7	spring	FED.2-720	stainless steel	---
8	condensate bowl	BE.2 HA4	polycarbonate	90002.0200
9	filter element 5µm	C.22-26	cellpor	5.2122.26.000

(Service-Kit: KESA.2-1311)



series 2

ordering information

KFRG - * / * ***

type		[2] accessories
[1] port size		[3] reduced pressure

ordering example: KFRG-212/8 G

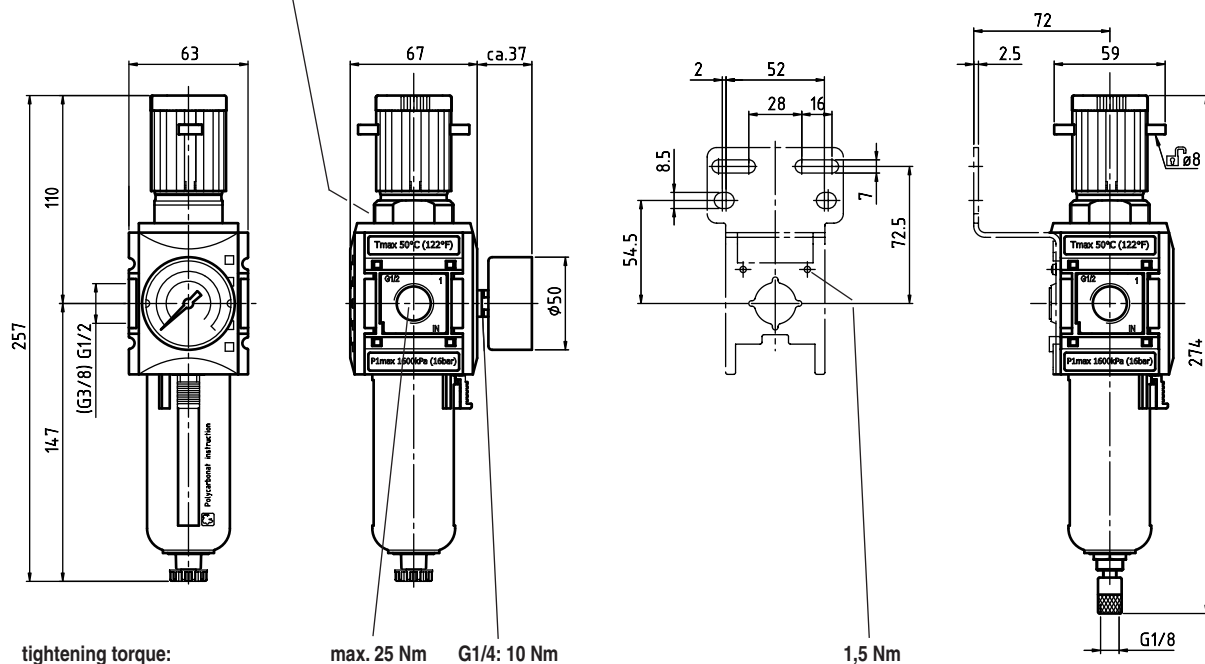
[1] port size	
238	G 3/8
212	G 1/2
238 NPT	3/8-18 NPT
212 NPT	1/2-14 NPT
[2] accessories (see reverse side)	
S	control panel nut
H	metal bowl with level indicator
AM	fully automatic drain pressureless open
AM NC	fully automatic drain pressureless closed
[3] reduced pressure (see item table)	
e.g. 8	0,5 - 8 bar

Handhabungs-Hinweis

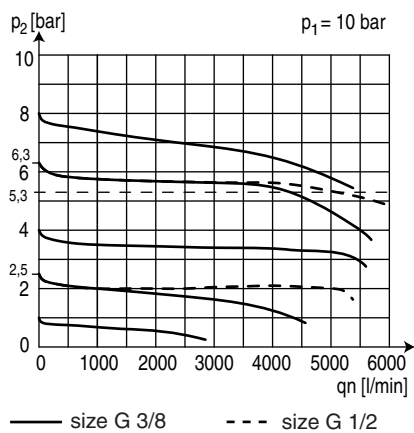
- Filter transmittance according to ISO 4003, glass bead test
- Setting knob can be locked by pressing downwards
- Regulator head lockable
- interlocking of several individual devices requires coupling kit(s) KKOP.2

dimensions (mm)

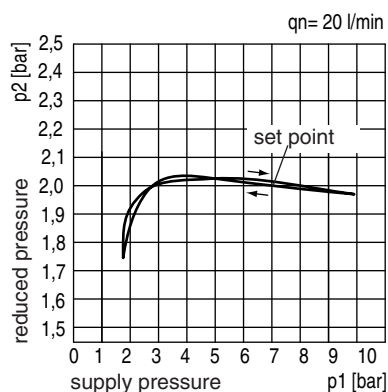
tightening torque for control panel nut: 9 Nm



flow characteristic



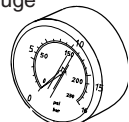
pressure characteristic



accessories

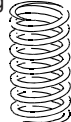
2

gauge



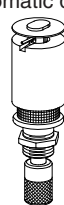
type: G 50.2,5 R
G 50.4 R
G 50.6 R
G 50.10 R
G 50.16 R
G 50.25 R

spring



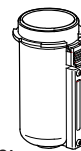
type:
0,1- 1: FED.2-700
0,1- 2: FED.2-701
0,2- 4: FED.2-702
0,5- 8: FED.2-703
0,5-10: FED.2-704
0,5-16: FED.2-705

automatic drain



type: AM 10
AM 10 NC

metal bowl with level indicator



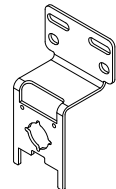
type:
BE.2 H HA
BE.2 H AM
BE.2 H AN BC

rotary lock



type:
VH.32 with key
VH.31 without key

mounting bracket with screws



type: KBW.2-1225

mounting bracket for panel mounting



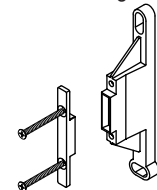
type: KBW.2-1227

control panel nut M 36 x 1,5



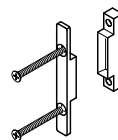
type: SM.2

coupling kit wall mounting



type: KKOP.2W

coupling kit

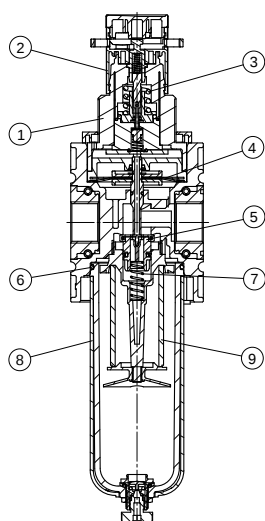


type: KKOP.2

item	type	KFRG-434/* G	KFRG-41/* G
port size		G 3/4	G 1
description		sinter filter centrifugal principle, Diaphragm-type pressure regulator with secondary air exhaust	
medium		compressed air, neutral gases	
mounting		vertical	
medium- and ambient temperature		max. 50 °C	
supply pressure		Pe max. 16 bar Pe min. 1,5 bar semi-automatic and fully automatic drain	
reduced pressure [3]		0,5-8 bar Standard 0,1-1 bar, 0,1-2 bar, 0,2-4 bar, 0,5-10 bar, 0,5-16 bar	
filter element		5 µm Standard	
bowl volume		filter: 87 cm³	
Local air consumption		max. 1,5 l/min	
drain model		semi-automatic	
fixing		control panel installation, mounting bracket, wall mounting	
weight		0,990 kg	



material: Grivory (PA66) / IXEF1022



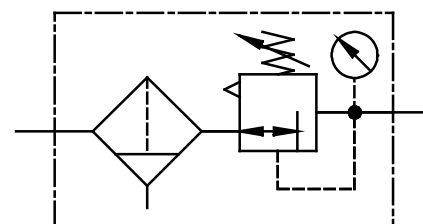
parts

(Service-Kit: KESA.4-1311)

no.	designation		material	order-no.
1	spring cage	BG4	POM	---
2	setting knob	FH.2-615	POM	---
3	spring	FED.4-703	galvanised steel	---
4	membrane	MEM.4	brass-NBR-PA6	
5	valve cone	VK.4-400	NBR-PA6	
6	o-ring 55x2,5	OR.0-9	NBR	
7	spring	FED.4-720	stainless steel	---
8	condensate bowl	BE.4 HA	polycarbonate	80004.0200
9	filter element 5µm	FE.4-560	cellpor	70004.0560

Handhabungs-Hinweis

- Filter transmittance according to ISO 4003, glas bead test
- Setting knob can be locked by pressing downwards
- Regulator head lockable
- interlocking of several individual devices requires coupling kit(s) KKOP.4



series 1

ordering information

KFRG - * / * ***

type

[1] port size

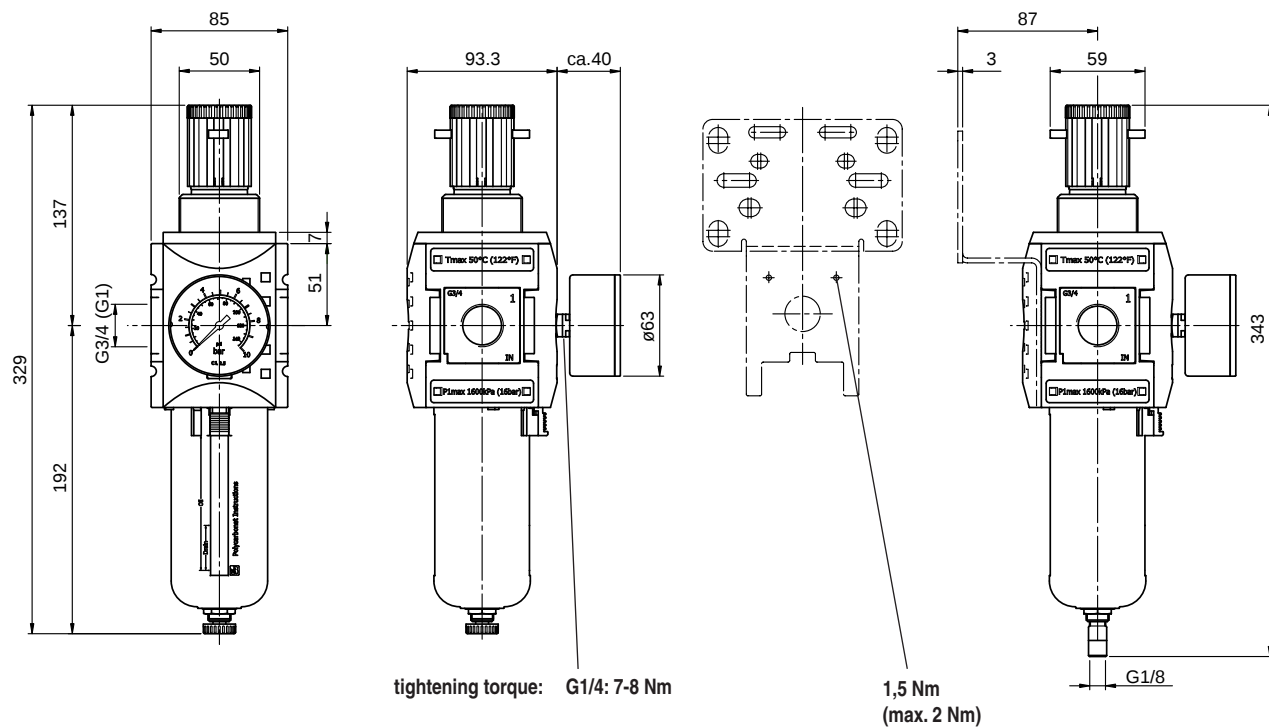
[2] accessories

[3] reduced pressure

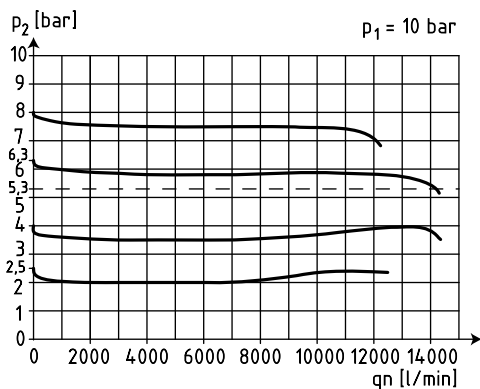
ordering example: KFRG-138/8 G

1	Raccordement	
	434	G 3/4
	41	G 1
	434 NPT	3/4 - 14 NPT
	41 NPT	1 - 1 1/2 NPT
2	Accessoires (voir au recto)	
	H	Cuve métallique avec voyant
	AM	Purge automatique, sans pression ouverte
	AM NC	Purge automatique, sans pression fermée
3	Pression de sortie (voir tableau des caractéristiques)	
	p.ex. 8	0,5 - 8 bar

dimensions (mm)

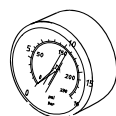


flow characteristic



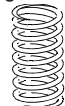
accessories 2

gauge



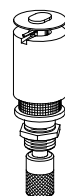
type: G 63.6 R
G 63.10 R
G 63.16 R
G 63.25 R

spring



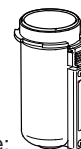
type:
0,1- 1: FED.4-700
0,1- 2: FED.4-701
0,2- 4: FED.4-702
0,5- 8: FED.4-703
0,5-10: FED.4-704
0,5-16: FED.4-705

automatic drain



type: AM 10
AM 10 NC

metal bowl with level indicator



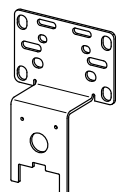
type:
BE.4 H
BE.4 H AM
BE.4 H AM NC

rotary lock



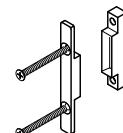
type:
VH.32 with key
VH.31 without key

mounting bracket with screws



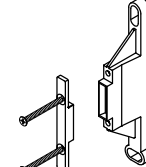
type: KBW.4-1225

coupling kit



type: KKOP.4

coupling kit wall mounting



type: KKOP.4W

pressure characteristic

