

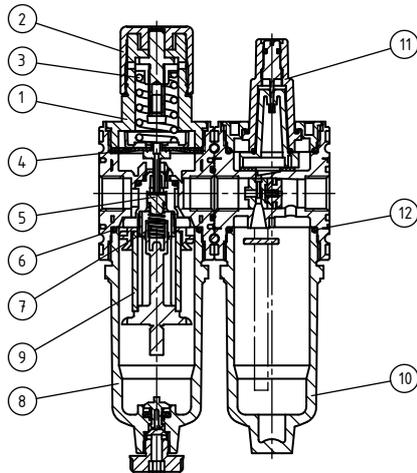
item	type	KS2U-014/* G
port size		G 1/4
description		sinter filter centrifugal principle diaphragm-type pressure regulator with secondary air exhaust micro mist lubricator
medium		compressed air, neutral gases
mounting		vertical
medium- and ambient temperature		max. 60 °C
supply pressure		Pe max. 12 bar Pe min. 1,5 bar semi-automatic and fully automatic drain
filter element		5 µm standard
bowl volume		filter-regulator: 16 cm <sup>3</sup> , lubricator: 35 cm <sup>3</sup>
drain model		semi-automatic
reduced pressure [3]		0,5 - 8 bar, 0,2-4 bar, 0,5-10 bar
oil metering qv=1000l/min		10 - 20 drops / min
oil type		CL 32 nach DIN 51517 - ISO VG 32
fixing		control panel installation, mounting bracket, wall mounting
weight		0,319 kg

Available from  
January 2010!



material: Grivory (PA66) / IXEF1022

Technical modifications keep on reserve!



### parts

( Service-Kit: ESA.1-xxx )

no.	designation		material	order-no.
1	spring cage	C.00-72	POM	---
2	setting knob	R.00-31	POM	---
3	spring	C.11-86	galvanised steel	---
4	membrane	RE.00-14	brass-NBR-PA6	
5	valve cone	RE.00-15	brass-NBR	
6	o-ring 30 x 2	DF.00-2	NBR	
7	spring	FED.0-720	stainless steel	---
8	condensate bowl	C.00 HA4	plycarbonate	9.9900.038
9	filter element 5µm	C.00-26	cellpor	5.2100.26.000
10	bowl	L.00-24	plycarbonate	7.2500.24.00B
11	dome assembly		plycarbonate	
12	o-ring 30 x 2	DF.00-2	NBR	1.1100.02.000

### application information

- Filter transmittance according to ISO 4003, glass bead test
- Setting knob can be locked by pressing downwards
- **Cannot be filled with oil during operation**



### series 0

### ordering information

KS2U - \*\*\* / \* \*

type

[1] port size

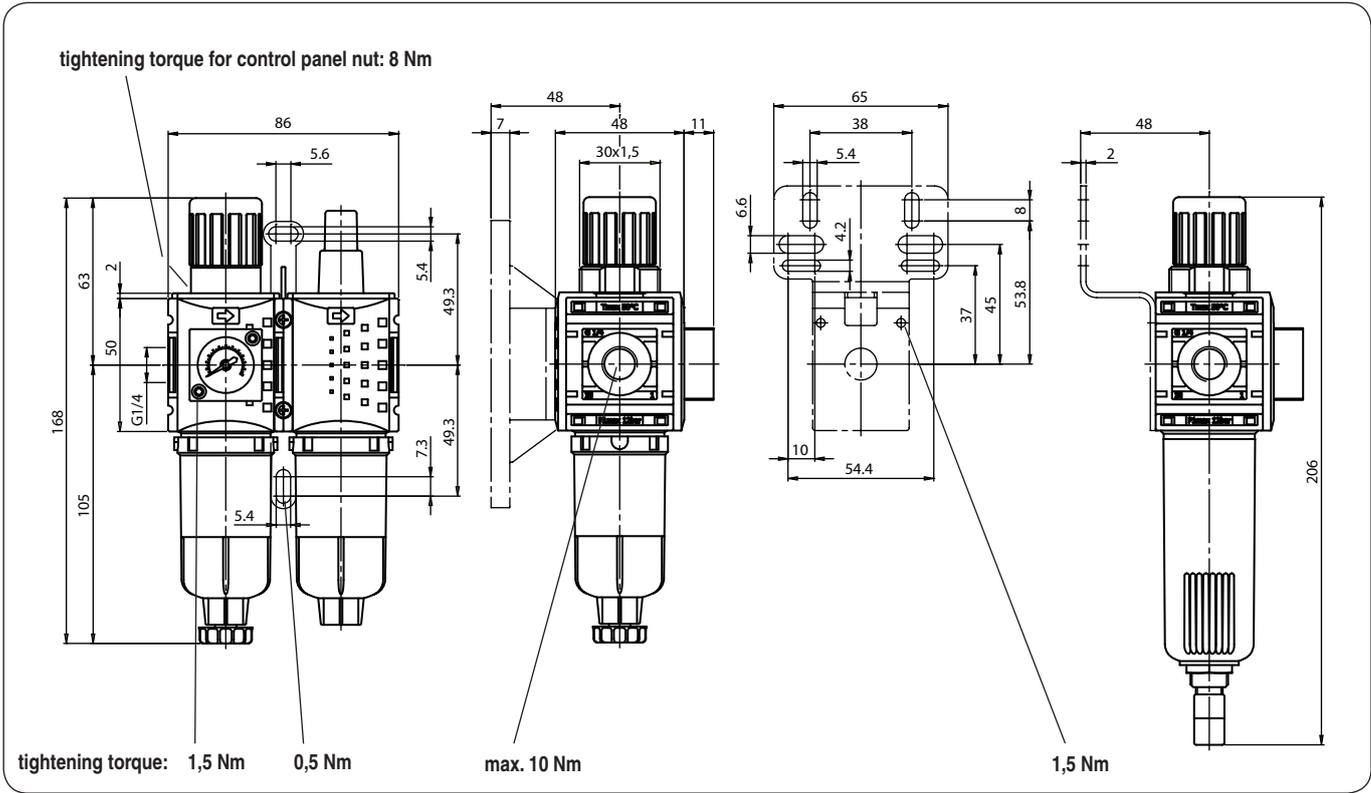
[2] accessories

[3] reduced pressure

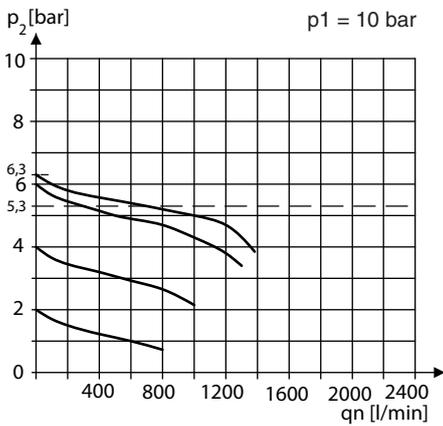
ordering example: KS2U-014/8 AM G

[1]	<b>port size</b>	
	014	G 1/4
	014 NPT	1/4-18 NPT
[2]	<b>accessories (see reverse side)</b>	
	S	control panel nut
	M	metal bowl
	AM	fully automatic drain pressureless opend
	AM NC	fully automatic drain pressureless closed
[3]	<b>reduced pressure (see item table)</b>	
	e.g. 8	0,5 - 8 bar

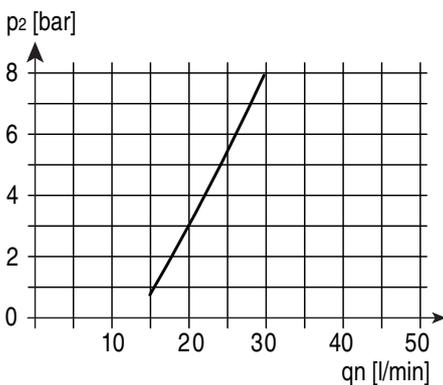
## dimensions (mm)



## flow characteristic



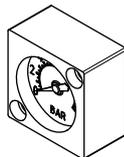
## lubricator operating limit



## accessories

2

gauge



Type: GC 27.6  
GC 27.12

spring



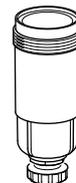
Type:  
0,2- 4: C.11-78  
0,5- 8: C.11-86

automatic drain



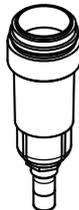
type: AM 10  
AM 10 NC

metal bowl



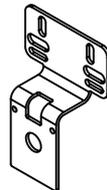
type: C.00 M HA3

metal bowl



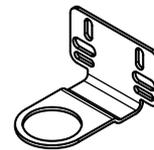
type: C.00 M AM10

mounting bracket with screws



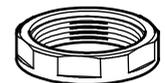
type: KBW.0-1225

mounting bracket for panel mounting



type: KBW.0-1227

control panel nut M 30 x 1,5



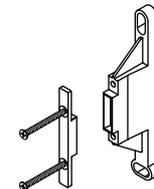
type: C.00-34

adapter for pressure gauge



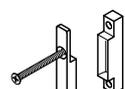
type: KKPS.0-54

coupling kit wall mounting



type: KKOP.0W

coupling kit



type: KKOP.0

# Wartungseinheit 2-teilig | BG1



Abb. zeigt:  
92801.CC00

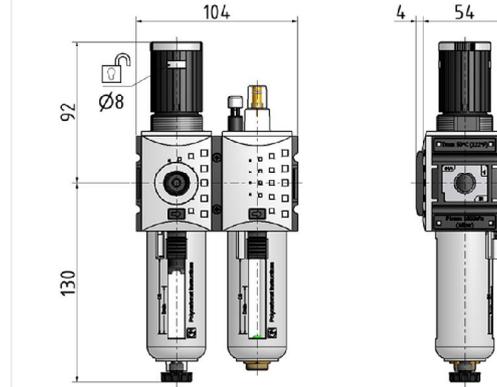


Abb. zeigt:  
92801.CC00

Wartungseinheit 3-teilig

Wartungseinheit 2-teilig

Filterregler

Filter

Druckregelventile

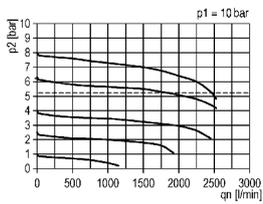
Öler

System-Erweiterungen

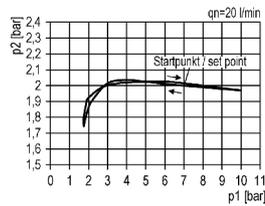
Zubehör

Sondergeräte

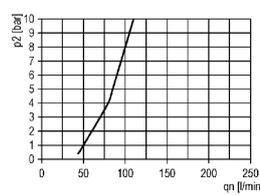
### Durchflussdiagramm



### Hysterese



### Öleransprechgrenze



### Symbole



### Technische Daten

- **Bauart:** Sinterfilter Zentrifugal-Prinzip; Membran-Druckregler mit Sekundärentlüftung; Normal-Nebelöler mit Nachsaugereinrichtung unter Druck
- **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
- **Behältervolumen Öler:** 40 cm<sup>3</sup>
- **Öldosierung bei qv=1.000/min:** 1 - 2 Tropfen/min (Richtwert)
- **Ölsorte:** CL 32 nach DIN 51517 - ISO VG 32

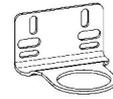
### Zubehör



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



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



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

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

Artikel-Typ	Artikel-Nummer	Gerätebeschreibung
KS2U-114/8	92801.CC00	Wartungseinheit G1/4 0,5-8 5µm mit PC-Behälter, Schutzkorb und halbautomatischem Ablass
KS2U-114/8 AM	92801.CC01	Wartungseinheit G1/4 0,5-8 5µm mit PC-Behälter, Schutzkorb und vollautomatischem Ablass
KS2U-114/8 H	92801.CC50	Wartungseinheit G1/4 0,5-8 5µm mit Metallbehälter und halbautomatischem Ablass
KS2U-114/8 H AM	92801.CC51	Wartungseinheit G1/4 0,5-8 5µm mit Metallbehälter und vollautomatischem Ablass
KS2U-138/8	92801.DD00	Wartungseinheit G3/8 0,5-8 5µm mit PC-Behälter, Schutzkorb und halbautomatischem Ablass
KS2U-138/8 AM	92801.DD01	Wartungseinheit G3/8 0,5-8 5µm mit PC-Behälter, Schutzkorb und vollautomatischem Ablass
KS2U-138/8 H	92801.DD50	Wartungseinheit G3/8 0,5-8 5µm mit Metallbehälter und halbautomatischem Ablass
KS2U-138/8 H AM	92801.DD51	Wartungseinheit G3/8 0,5-8 5µm mit Metallbehälter und vollautomatischem Ablass

Wartungseinheit 3-teilig

Wartungseinheit 2-teilig

Filterregler

Filter

Druckregelventile

Öler

System-Erweiterungen

Zubehör

Sondergeräte

item	type	KS2U-238/* G	KS2U-212/* G
port size		G 3/8	G 1/2
description		sinter filter centrifugal principle diaphragm-type pressure regulator with secondary air exhaust lubricator with automatic oil filling	
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	
filter element		5 µm standard	
bowl volume		filter-regulator: 49 cm <sup>3</sup> , lubricator: 80 cm <sup>3</sup>	
drain model		semi-automatic	
reduced pressure [3]		0,5 - 8 bar, 0,1-1 bar, 0,1-2 bar, 0,2-4 bar, 0,5-10 bar, 0,5-16 bar	
oil metering qv=1000l/min		1 - 2 drops / min	
oil type		CL 32 nach DIN 51517 - ISO VG 32	
fixing		control panel installation, mounting bracket, wall mounting	
weight		1,010 kg	



Technical modifications keep on reserve!

**parts** (Service-Kit: ESA.2-1311)

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	
5	valve cone	VK.2-420	brass-NBR	
6	o-ring 37,5 x 2,5	OR.0-5	NBR	
7	spring	FED.2-720	stainless steel	---
8	condensate bowl	BE.2 HA4	plycarbonate	90002.0200
9	filter element 5µm	C.22-26	cellpor	5.2122.26.000
10	bowl	BE.2 LUB	plycarbonate	90002.0202
11	dome assembly	ESA-1-1312	plycarbonate	99901.1312
12	o-ring 37,5 x 2,5	OR.0-1	NBR	



## series 2

### ordering information

**KS2U - \*\*\* / \* \***

type

[1] port size

[2] accessories

[3] reduced pressure

ordering example: KS2U-212/8 AM G

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

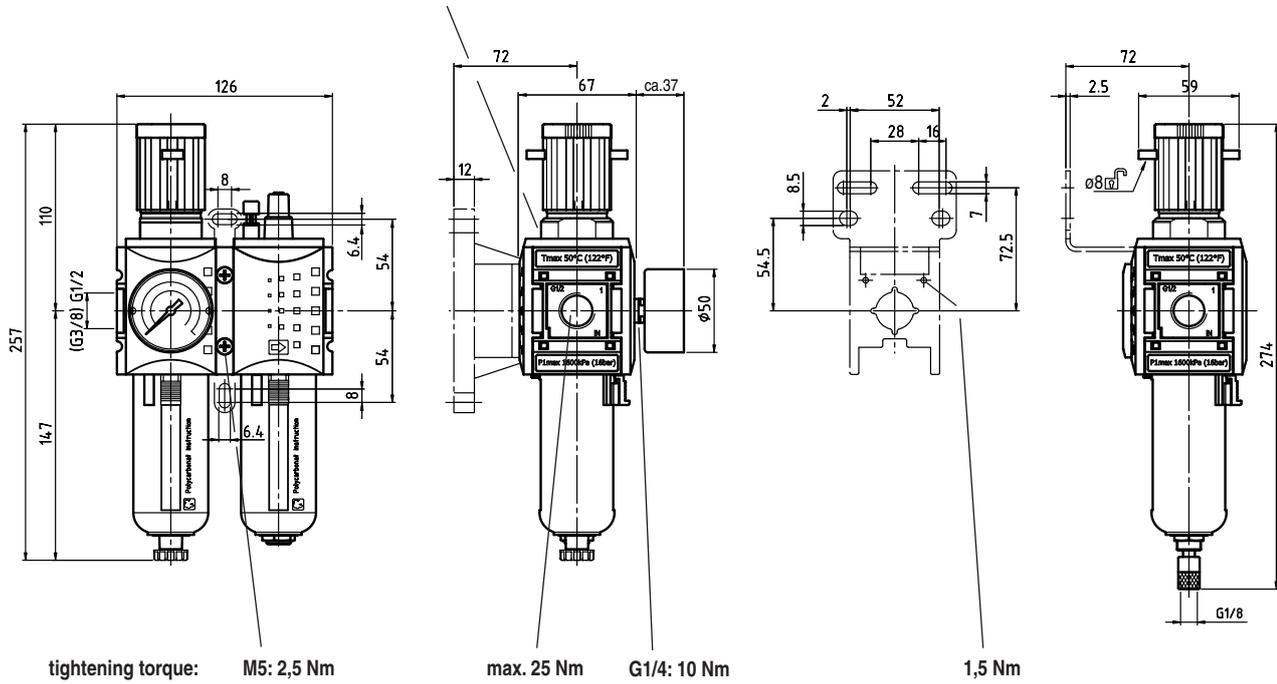
page: KS2U-2 (01/09)

### application information

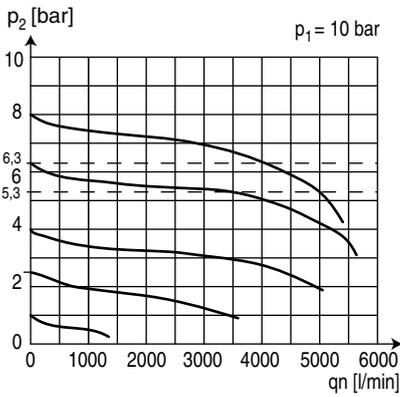
- Filter transmittance according to ISO 4003, glass bead test
- Setting knob can be locked by pressing downwards
- Regulator head lockable
- Can be filled with oil during operation

## dimensions (mm)

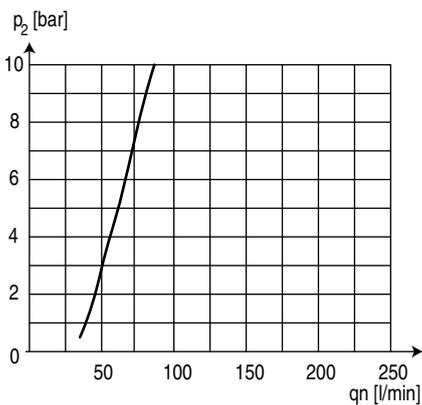
tightening torque for control panel nut: 9 Nm



## flow characteristic

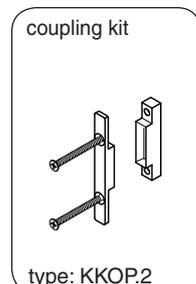
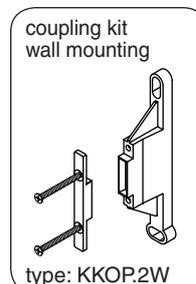
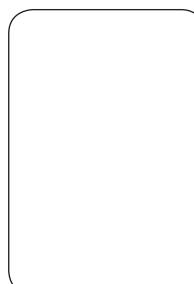
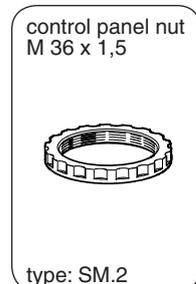
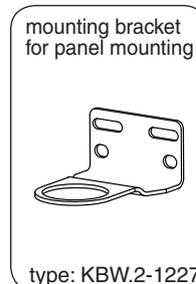
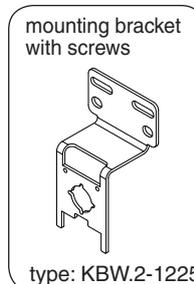
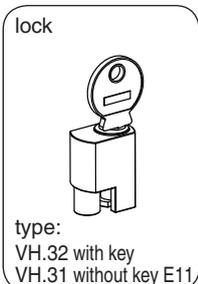
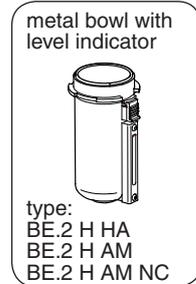
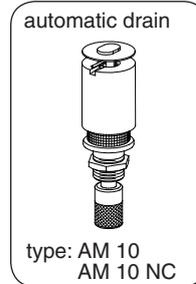
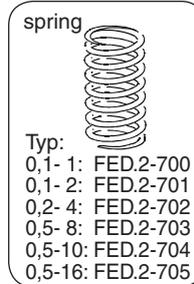
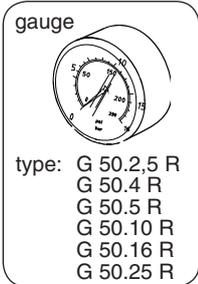


## lubricator operating limit



## accessories

2



# Service unit 2 part assemblies

# FUTURA-SERIES

item	type	KS2U-434/* G	KS2U-41/* G
port size		G 3/4	G 1
description		sinter filter centrifugal principle diaphragm-type pressure regulator with secondary air exhaust lubricator with automatic oil filling	
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	
filter element		5 µm standard	
bowl volume		filter-regulator: 87 cm <sup>3</sup> , lubricator: 181 cm <sup>3</sup>	
drain model		semi-automatic	
reduced pressure <sup>3</sup>		0,5 - 8 bar, 0,1-1 bar, 0,1-2 bar, 0,2-4 bar, 0,5-10 bar, 0,5-16 bar	
Local air consumption		max. 1,5 l/min	
oil metering qv=1000l/min		1 - 2 drops / min	
oil type		CL 32 nach DIN 51517 - ISO VG 32	
fixing		control panel installation, mounting bracket, wall mounting	
weight		1,827 kg	



material: Grivory (PA66) / IXEF1022



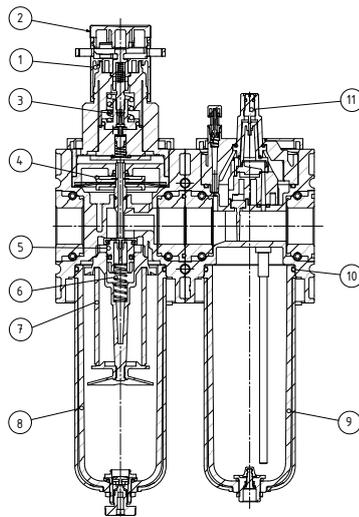
## series 1

## ordering information

**KS2U - \*\*\* / \* \***

type			<sup>2</sup> accessories
<sup>1</sup> port size			<sup>3</sup> reduced pressure

ordering example: KS2U-434/8 AM G



## parts

( Service-Kit: ESA )

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	brass-NBR	
6	spring	FED.4-720	stainless steel	---
7	filter element 5µm	FE.4-560	Cellpor	70004.0560
8	condensate bowl	BE.4 HA	polycarbonate	80004.0200
9	bowl	BE.4 LUB	polycarbonate	80004.0202
10	o-ring 32x2,5	OR.0-9	NBR	10020.0009
11	dome assembly	ESA-1-1312	polycarbonate	99901.1312

## application information

- Filter transmittance according to ISO 4003, glass bead test
- Setting knob can be locked by pressing downwards
- Regulator head lockable
- Can be filled with oil during operation

<sup>1</sup>	<b>port size</b>	
	434	G 3/4
	41	G 1
	434 NPT	3/4 - 14 NPT
<sup>2</sup>	<b>accessories (see reverse side)</b>	
	H	metal bowl with level indicator
	AM	fully automatic drain pressureless open
<sup>3</sup>	<b>reduced pressure (see item table)</b>	
	e.g. 8	0,5 - 8 bar

