Service unit 3-pie

Size 1

845 B	847 K
G 1/4	G 3/8

0.5 to 10 bar
0.5 to 16 bar

Characteristics

Type Port	845 B G 1/4	847 K G 3/8
Pressure gauge port	G 1/4	
Type of construction	- Centrifugal filter Sintered filter element - Diaphragm pressure regulator with self-relieving design - Proportional lubricator	
Input pressure p1	Max. 16 bar with plastic bowl Max. 20 bar with metal bowl	
Control range p2	0.5 to 10 bar, 0.5 to 16 bar Other control ranges on request	
Mounting position	Vertical, drain plug at bottom	
Mounting type	Bracket on regulator Bracket on filter / lubricator	
Medium temperature Ambient temperature	-10 to 60 °C (other temperature -10 to 60 °C ranges on request)	
Filter rating	5 µm	
Bowl capacity	Filter: Max. 35 cm³ condensate Oil-mist lubricator: 40 cm³	
Condensate drain	Manual, semi-automatic Fully-automatic on request	
Weight [g]	1260	

Ordering information

Type & port — Options

847 K / **X**

Port	
845 B	G 1/4
847 K	G 3/8
Options	
K	Plastic bowl
M	Metal bowl
S	Bowl guard

Order example:

845 B-HA or 845 B/M

Please use the suffix »**A**« to order fully-automatic drain

Description

- Standard design
- Independent of inlet pressure
- Pressure gauge ∅ 50 mm included
- Filter rating acc. to ISO 4003
- Oil can be filled under pressure

Materials

Part	Material
Head piece (body)	Zinc - Z 410
Spring bonnet	Z 410-brass
Diaphragm	NBR-brass
Pressure spring	Galvanised steel
Valve cone	NBR-brass
Counter-pressure spring	Stainless steel
O-ring 37 x 2	NBR
Filter element 5 µm	Polyethylene
Condensate bowl	Polycarbonate
Air deflector	PS
Baffle	PE
Oil bowl	Polycarbonate
Oil fill plug	Brass-NBR
Sight dome	PA
Sight dome – metal	Zinc-glass-NBR

Recommended oil

Special pneumatic oil 32

Viscosity at 40 °C: 32 cSt [mm²/s]
Temperature range: -35 to +85 °C

Oil bowls made of plastic (polycarbonate) are corroded by additives, anti-freeze agents and synthetic oils. We therefore recommend using mineral oils from approx. 22 to 32 cSt or up to 68 cSt in conjunction with impact tools.
Metal bowls and metal sight domes should be used for all other oil grades.

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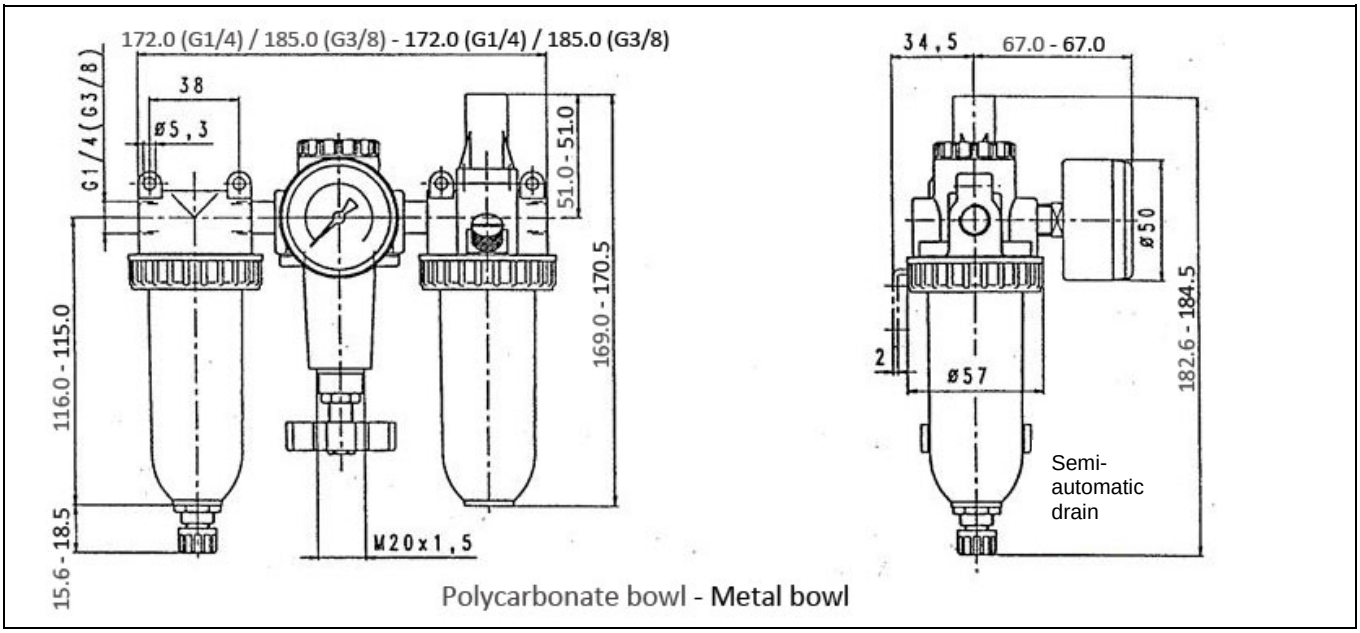
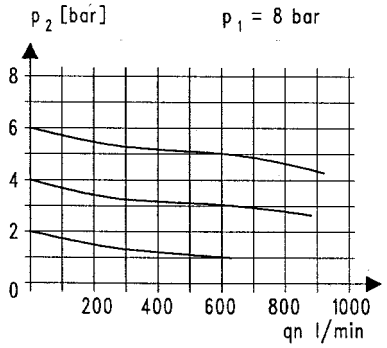
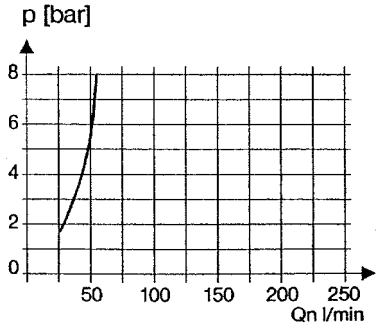
Dimensions [mm]



Flow characteristic

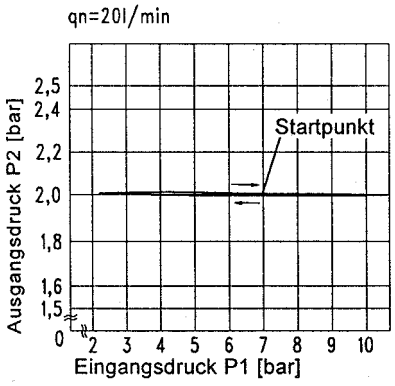


Lubricator operating limit



Hysteresis

Hysteresis of p_2 as a function of rising (falling) p_1 at a constant draw-off rate QN 20 l/min
Basic setting **(starting point)**: **p_1: 7.0 bar**
p_2: 2.0 bar



Flow rates

Flow rates at p_1 = **8 bar**

Output pressure p_2 = [bar]		6
Nominal flow (Δ_p = 1 bar)	QN m³/h QN l/min	36 600

Accessories

Designation	Order No.
Mounting bracket with nut and washer	75/2
Mounting bracket	H 800
Metal bowl (filter)	640/12
Metal bowl (lubricator)	740/12
Plastic bowl (filter)	640/2-HA
Plastic bowl (lubricator)	740/02
Bowl guard	SK 01
Fully-automatic drain (external)	65/0-N
Fully-automatic drain (internal)	655.6.900

Main spare parts

Part	Part No.
→ **Set of wearing parts** **Sight dome (polycarbonate)** **Sight dome (metal)** **Assembly adapter for metal sight dome** **Filter element 5 µm**	**22.620.4** **760.7.990** **760.7.992** **760.7.1135** **611.6.905**
Pr. gauge ∅ 50 mm, G1/4 0 to 10 bar 0 to 16 bar	 206-KD 207-KD

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