

**Service unit  
3-piece**

Size 4

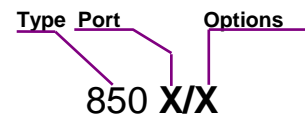
<b>850 F</b> G 1¼ (red.)	<b>850 H</b> G 1½
0.5 to 10 bar 0.5 to 16 bar	



**Characteristics**

Order No.	850 F	850 H
<b>Port</b>	<b>G 1¼ (red.)</b>	<b>G 1½</b>
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 p <sub>1</sub>	Max. 16 bar with plastic bowl Max. 20 bar with metal bowl	
Input pressure p <sub>1</sub> with vollautomatic drain	Max. 16 bar Min. 1.5 bar	
Control range p <sub>2</sub>	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 Two through holes	
Medium temperature	Max. 60°C (other temperature	
Ambient temperature	Max. 60°C ranges on request)	
Filter rating	40 µm	
Bowl capacity	Filter: Max. 300 cm <sup>3</sup> condensate Oil-mist lubricator: 550 cm <sup>3</sup>	
Condensate drain	Manual, semi-automatic Fully-automatic on request	
Weight [g]	9800	

**Ordering information**



Port	
<b>F</b>	<b>G 1¼ (red.)</b>
<b>H</b>	<b>G 1½</b>
Options	
<b>F or H</b>	Plastic bowl
<b>M</b>	Metal bowl
<b>S</b>	Bowl guard

**Order example: 850 H/M**

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

**Description**

- Standard design
- Pressure gauge Ø 63 mm included
- Filter rating acc. to ISO 4003
- Oil can be filled under pressure
- Combinations of individual devices can also be supplied as special versions

**Materials**

Part	Material
Head piece (body)	Al/brass
Spring bonnet	Brass
Diaphragm	NBR-brass
Pressure spring	Steel
Valve cone	NBR-brass
Counter-pressure spring	Stainless steel
O-ring 68x	NBR
Filter element 40 µm	Polyethylene
Condensate bowl	Polycarbonate
Air deflector	ABS
Baffle	PA
Oil bowl	Polycarbonate
Oil fill plug	POM-NBR
Sight dome	PA
Sight dome - metal	Zinc-glass-NBR

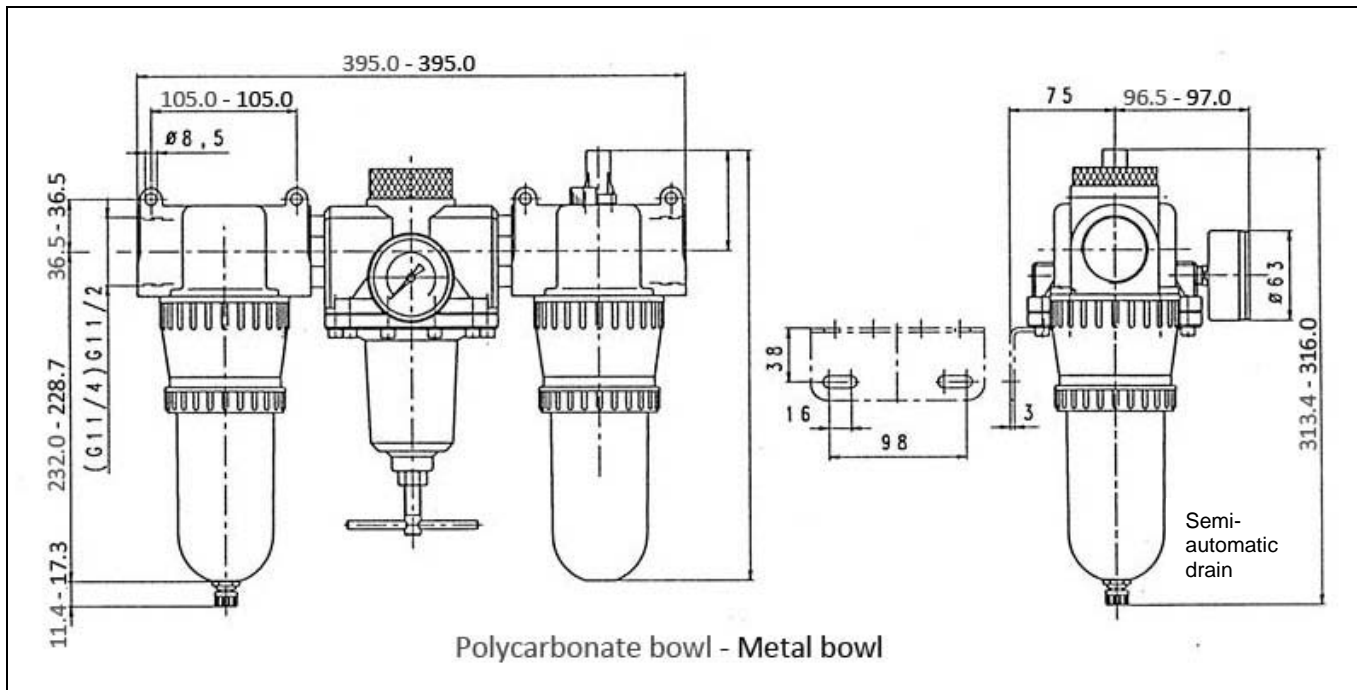
**Recommended oil**

**Special pneumatic oil 32**

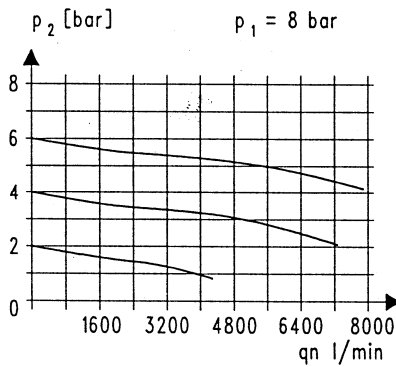
Viscosity at 40 °C: 32 cSt [mm<sup>2</sup>/s]  
Temperature range: -35 to +85 °C

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.

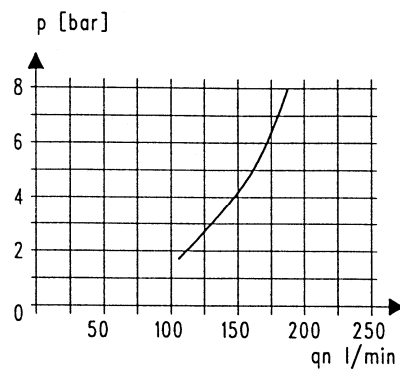
## Dimensions [mm]



## Flow characteristic

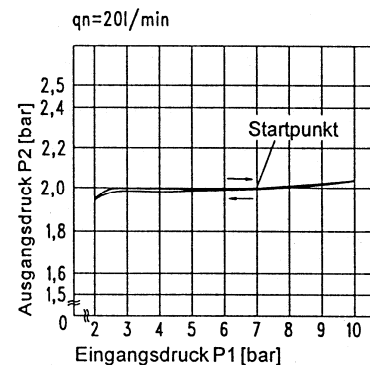


## Lubricator operating limit



## Hysteresis

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



## Accessories

Designation	Order No.
Mounting bracket with two screws, compl.	H 86
Plastic bowl (filter)	650/2-HA
Plastic bowl (lubricator)	740/04
Metal bowl (filter)	650/12
Metal bowl (lubricator)	740/14
Bowl guard, complete	SK 03
Fully-automatic drain (external)	65/0-N
Fully-automatic drain (internal)	655.6.900

## Main spare parts

Part	Part No.
Set of wearing parts	22.605.4
Filter element 40 $\mu$ m	655.6.940
Filter element 8 $\mu$ m	655.6.908
Sight dome (polycarbonate)	760.7.990
Sight dome (metal)	760.7.991
Pr. gauge G 1/4, $\varnothing$ 63 mm	
0 to 10 bar	217-KD
0 to 16 bar	218-KD