

Version with metal bowl

Service unit
3-pi

Size 4

850 F

G 1¼ (red.)

850 H

G 1½

0.5 to 10 bar

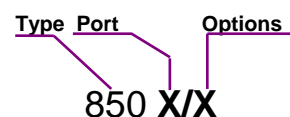
0.5 to 16 bar


Characteristics

Order No.	850 F	850 H
Port	G 1¼ (red.)	G 1½
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 ₁	Max. 16 bar with plastic bowl Max. 20 bar with metal bowl	
Input pressure p ₁ with vollautomatic drain	Max. 16 bar Min. 1.5 bar	
Control range p ₂	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	-10 to 60 °C (other temperature	
Ambient temperature	-10 to 60 °C ranges on request)	
Filter rating	40 µm	
Bowl capacity	Filter: Max. 300 cm ³ condensate Oil-mist lubricator: 550 cm ³	
Condensate drain	Manual, semi-automatic Fully-automatic on request	
Weight [g]	9800	

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

Ordering information


Port	
F	G 1¼ (red.)
H	G 1½
Options	
F or H	Plastic bowl
M	Metal bowl
S	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

Recommended oil
Special pneumatic oil 32

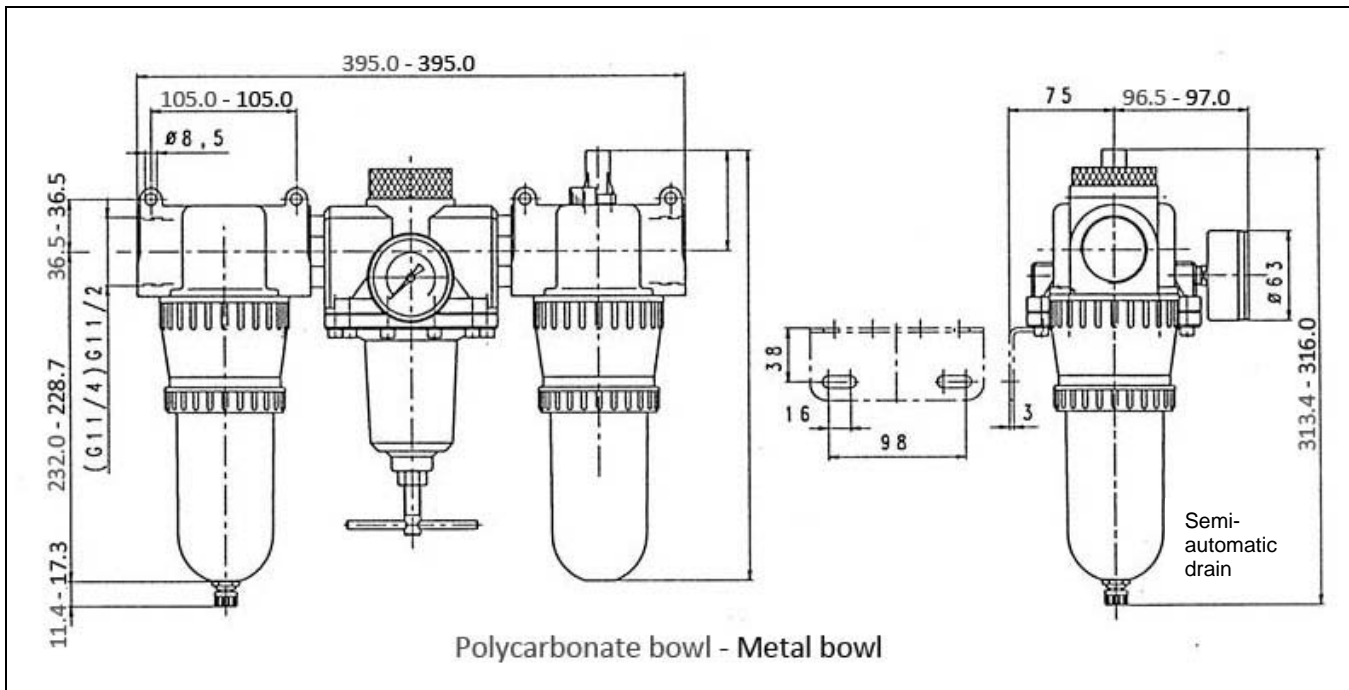
 Viscosity at 40 °C: 32 cSt [mm²/s]

Temperature range: -35 to +85 °C

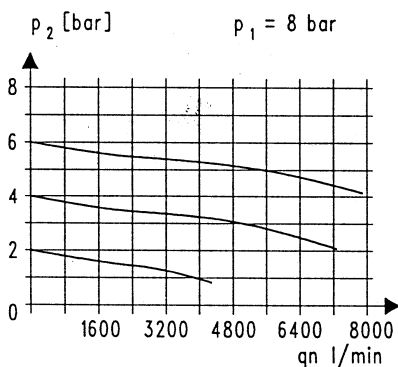
Oil bowls made of plastic (polycarbonate) are corroded by additives, anti-freeze agents and synthetic oils. We therefore recommend using mineral oils from approx. 22 to 32 cSt or up to 68 cSt in conjunction with impact tools.

Metal bowls and metal sight domes should be used for all other oil grades.

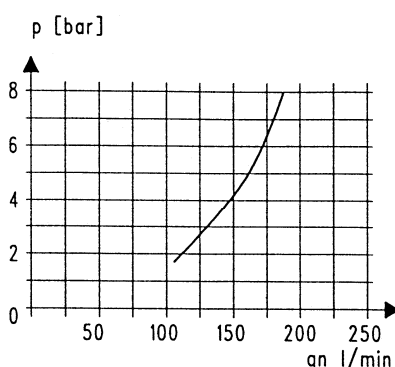
Dimensions [mm]



Flow characteristic

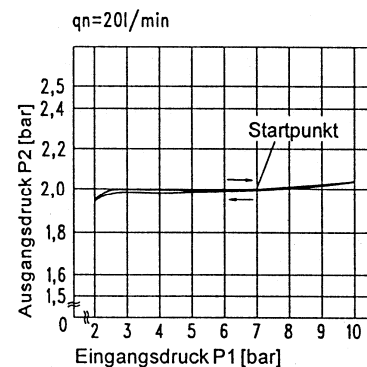


Lubricator operating limit



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 μ m	655.6.940
Filter element 8 μ 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