Service unit
2-piece

Size 1

825	827
G 1/4	G 3/8

0.5 to 10 bar
0.5 to 16 bar

Characteristics

Type	825	827
Port	**G 1/4**	**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 p_1	Max. 16 bar with plastic bowl Max. 25 bar with metal bowl	
Input pressure p_1 with fully-automatic drain	Max. 16 bar Min. 1.5 bar	
Control range p_2	0.5 to 10 bar / 0.5 to 16 bar	
Mounting position	Vertical, drain valve at bottom	
Mounting type	Bracket on regulator, Hole ∅ 20.5 mm Bracket on lubricator	
Medium temperature Ambient temperature	Max. 60 °C (other temperature Max. 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]	1150	

Ordering information

Options	
K	**Plastic bowl**
S	**Bowl guard**
M	**Metal bowl**

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

Order example: 825 K

Description

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

Materials

Part	Material
Head piece (body)	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
Filter holder	PA
Oil bowl	Polycarbonate
Oil fill plug	Brass-NBR
Sight dome	PA
Sight dome - metal	Zinc-glass-NBR

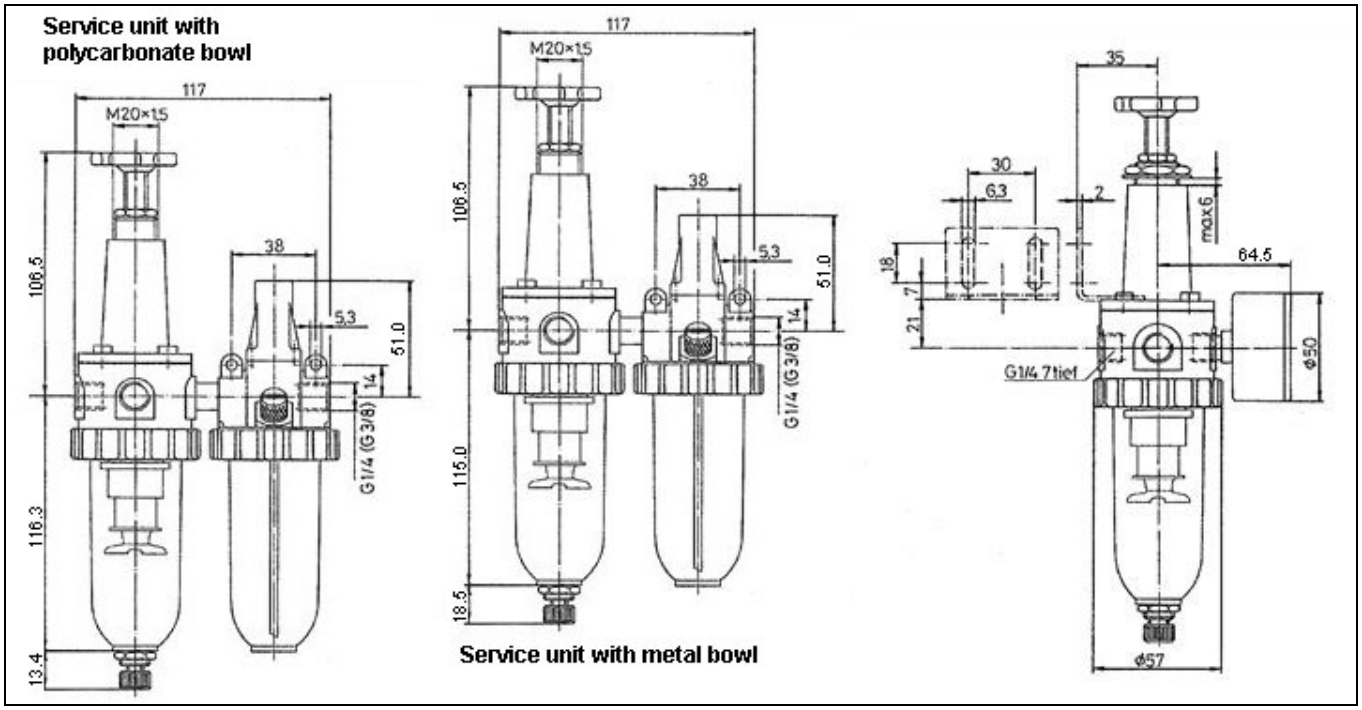
Recommended oil

Special pneumatic oil 32

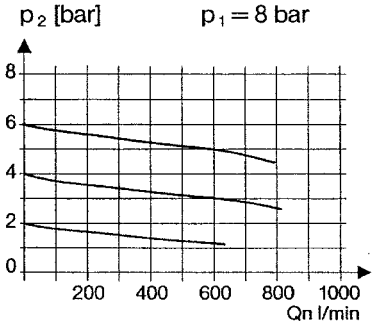
Viscosity at 40 °C: 32 cSt [mm²/s]
Temperature range: -35 to +85 °C

Oil bowls made of plastic (polycarbonate) are corroded by additives, anti-freeze agents and synthetic oil. 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.

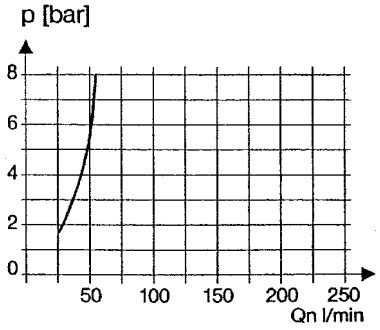
Dimensions [mm]



Flow characteristic

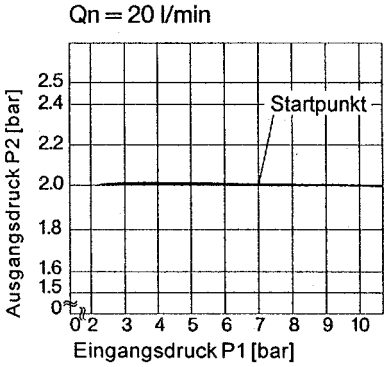


Lubricator operating limit



Hysteresis

Hysteresis of p_2 as a function of rising (falling) p_1 at a constant draw-off rate 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 l/min	36 600

Accessories

Designation	Order No.
Mounting bracket with nut and washer	75/1
Mounting bracket with two screws	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, incl. swivel nut	SK 01
Fully-automatic drain (external)	65/0-N
Fully-automatic drain (internal)	655.6.900