



Service unit

2-pi

Size 1

825
G 1/4

827
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 \varnothing 20.5 mm Bracket on lubricator	
Medium temperature	-10 to 60 °C (other temperature	
Ambient temperature	-10 to 60 °C ranges on request)	
Filter rating	5 μ m	
Bowl capacity	Filter: Max. 35 cm ³ condensate Oil-mist lubricator: 40 cm ³	
Condensate drain	Manual, semi-automatic Fully-automatic on request	
Weight [g]	1150	

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 μ m	Polyethylene
Condensate bowl	Polycarbonate
Filter holder	PA
Oil bowl	Polycarbonate
Oil fill plug	Brass-NBR
Sight dome	PA
Sight dome - metal	Zinc-glass-NBR

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 \varnothing 50 mm included
- Filter rating acc. to ISO 4003, glass bead test
- Oil can be filled under pressure

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.

