

Compressed air conditioning



Characteristics

Type Port	FRL 11 G 1/4	FRL 12 G 3/8
	•	
Pressure gauge port	-	1/4
Type of construction	- Diaphragm pressure regulator with	
	self-relieving design	
	- Centrifugal filter	
	Sintered filterelement	
	- Proportional lubric	
Input pressure p ₁	Max. 16 bar with plastic bowl	
	Max. 20 bar with m	etal bowl
Input pressure p ₁	Min. 1.5 bar	
with fully-automatic drain	Max. 16 bar	
Control range p ₂	0.5 to 10 bar / 0.5 to 16 bar	
C	0.1 to 3 bar / 0.2 to	6 bar on request
Mounting position	Vertical, drain plug at bottom	
Mounting type	Bracket on regulator, hole Ø30.5	
	Bracket and two thr	
Medium temperature	Max. 60 °C (other	-
Ambienttemperature	Max. 60 °C range	s on request)
Filter rating	5 µm	
Bowl capacity	Filter: Max. 25 cm ³ condensate	
	Oil-mist lubricato	r: 50 cm ³
Condensate drain	Semi-automatic	
	Fully-automatic on	request
Weight [g]	1190	

Materials

Part		Material
Head piece (body)		Z 410
Spring bonnet		POM-brass
Diaphragm	\rightarrow	NBR-brass
Pressure spring	,	Galvanised steel
Valve cone	\rightarrow	NBR-brass
Counter-pressure spring	,	Stainless steel
O-ring 30x2	\rightarrow	NBR
Filter element 5 µm	,	PF
Condensate bowl		Polycarbonate
Air deflector		POM
Baffle		PA
Oil bowl		Polycarbonate
Oil fill plug		POM-NBR
Joiner set		Z 410-steel-NBR
Sight dome		PA
Sight dome - metal		Zinc-glass-NBR

Ordering information



Port		
11	G 1/4	
12	G 3/8	
Options		
K-HA	Plastic bowl	
M-SR	Metal bowl with sight	
	glass	
S	Bowl guard	
Please use the suffix » A « to order		

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

Order example: FRL 11 K-HA

Description

- Simple block mounting with other devices
- Joiner sets (**KP 11**) required for block mounting - Pressure setting can be locked by pushing
- the knob down
- Flow direction indicated by arrows - Entry in direction of arrow
- Independent of inlet pressure
- Pressure gauge \emptyset 40 mmincluded
- Lockable adjusting knob (on request)
- Filter rating acc. to ISO4003
- Bowl guard can be retrofitted without tools
- Oil can be filled under pressure

Recommended oil

Special pneumatic oil 32

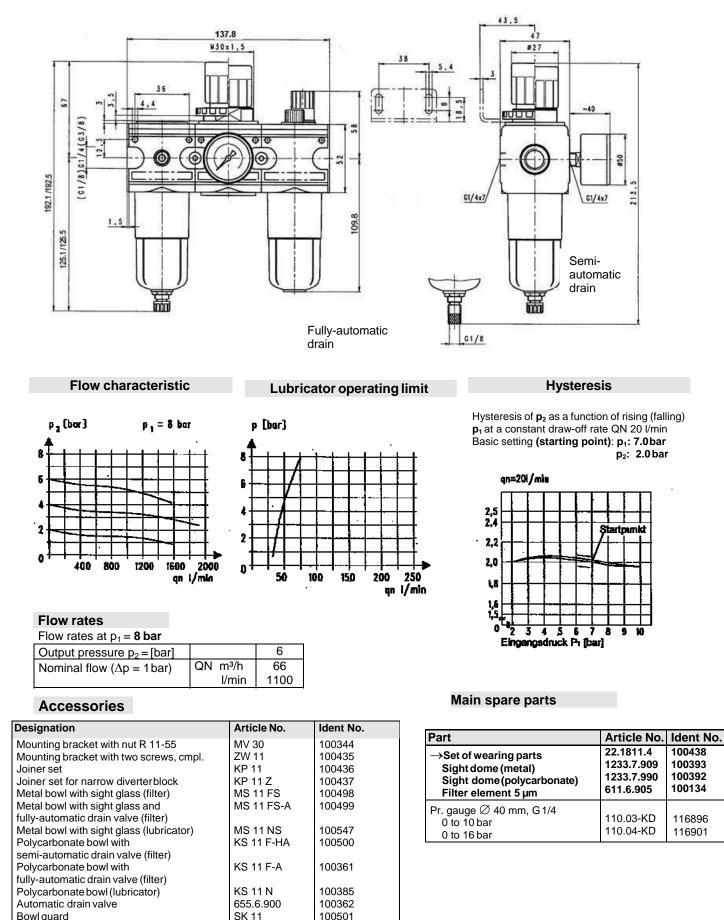
Viscosity at 40 °C: 32 cSt [mm²/s] Temperature range: -35 to +85 °C

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

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



Dimensions [mm]



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Article No.	Ident No.
FRL 11 K-HA	100581
FRL 12 K-HA	100582
FRL 11 S	100586
FRL 12 S	100587
FRL 11 M-SR	100591
FRL 12 M-SR	100592

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