

# \*On request

# **Characteristics**

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Туре	CL 54	CL 55
Port	G 3/4	G 1
Pressure gauge port	G 1/4	
Type of construction	- Diaphragm pressure regulator with	
	self-relieving design, pilot-controlled	
	- Centrifugal filter	
	Sintered filter element	
	- Proportional lubricator	
Input pressure p₁	Max. 16 bar with pl	
	Max. 20 bar with m	etal bowl
Input pressure p₁	Min. 1.5 bar	
with fully-automatic drain	Max. 16 bar	
Control range p <sub>2</sub>	0.5 to 10 bar / 0.5 to 16 bar	
	0.1 to 3 bar / 0.2 to	
Mounting position	Vertical, drain plug at bottom	
Mounting type	In-line or bracket and two through	
	holes	
Medium temperature	Max. 60 °C (other	
Ambient temperature	Max. 60 °C range:	s on request)
Filter rating	40 μm	
Bowl capacity	Filter: Max. 125 cm³ condensate	
	Oil-mist lubricator	r: 450 cm <sup>3</sup>
Condensate drain	Semi- automatic	
	Fully-automatic on	request
Weight [g]	3830	
Internal air consumption	Depending on seco	ondary pressure

#### **Materials**

Part	Material
Body	Al
O-ring 80 x 2.5	NBR
Diaphragm	NBR-brass-Al
Pressure spring	Galvanised steel
Valve cone	NBR-brass
Counter-pressure spring	Stainless steel
O-ring 50x2	NBR
Filter element 40 µm	PE
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		
54	G 3/4	
55	G 1	
Options		
K-HA	Plastic bowl	
M-SR	Metal bowl with sight glass	
S	Bowl guard	

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

# Order example: CL 55 K-HA

#### Description

- Simple block mounting with other devices
- Joiner sets (KP 55) required for block mounting
- Joiner sets (KP 55 Z) required for block mounting with K 55 ball valve and T 55 diverter block
- Pressure setting can be locked by pushing the knob down
- Independent of inlet pressure
- Pressure gauge Ø 63 mm included
- Filter rating acc. to ISO 4003, glass bead test
- 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 [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.

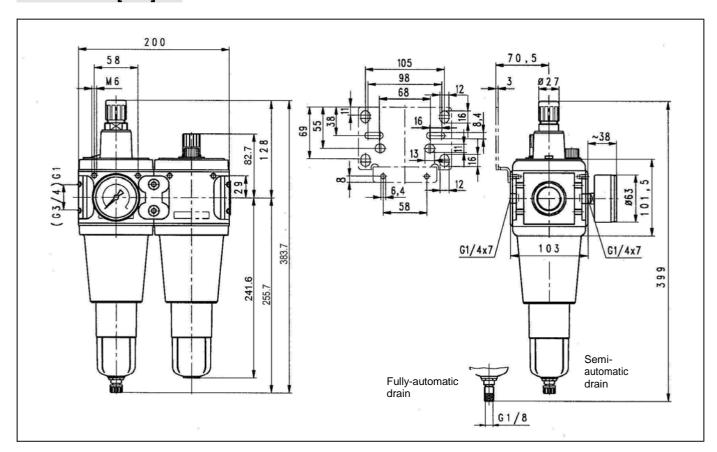
Metal bowls and metal sight domes should be used for all other oil grades.



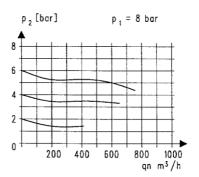
# Compressed air conditioning



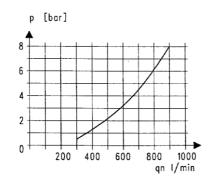
# **Dimensions [mm]**



# Flow characteristic



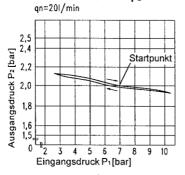
# Lubricator operating limit



# **Hysteresis**

Hysteresis of p₂ as a function of rising (falling) p₁ at a constant draw-off rate QN 20 l/min Basic setting (starting point): p₁: 7.0 bar

p<sub>2</sub>: 2.0 bar



# Flow rates

Flow rates at  $p_1 = 10$  bar

Output pressure $p_2 = [bar]$		6
Nominal flow ( $\Delta_p = 1$ bar)	QN m³/h l/min	630 13500

# Accessories

110000011100		
Designation	Article No.	Ident No.
Mounting bracket with two screws, cmpl.	ZW 55	100445
Joiner set	KP 55	100446
Joiner set(s) for K 54/55 and T 54/55	KP 55 Z	123922
Metal bowl with sight glass (filter)	MS 33 FS	100502
Metal bowl with sight glass and	MS 33 FS-A	100503
fully-automatic drain valve (filter)		
Metal bowl with sight glass (lubricator)	MS 33 NS	100549
Polycarbonate bowl with	KS 33 F-HA	100504
semi-automatic drain valve (filter)		
Polycarbonate bowl with	KS 33 F-A	100505
fully-automatic drain valve (filter)		
Polycarbonate bowl (lubricator)	KS 33 N	100548
Automatic drain	655.6.900	100362
Bowl guard	SK 33	100506

# Main spare parts

Part	Article No.	Ident No.
→ Set of wearing parts Filter element 8 µm Sight dome(polycarb.) Sight dome(metal)	22.355.4 655.6.908 1233.7.990 1233.7.909	100509 100510 100392 100393
Pr. gauge Ø 63 mm, G1/4 0 to 10 bar 0 to 16 bar	217-KD 218-KD	101244 101398

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Article No.	Ident No.
CL 55 K-HA	100570
CL 55 S	100575
CL 55 M-SR	100580