



## Service unit

### 2-piece

Size 5

**CL 54\***

G 3/4

**CL 55**

G 1

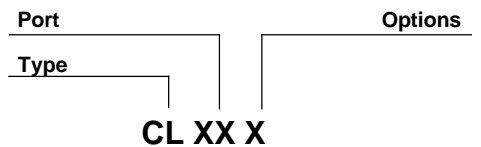
0.5 to 10 bar

0.5 to 16 bar



\*On request

## 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  $\varnothing$  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 impacttools.

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

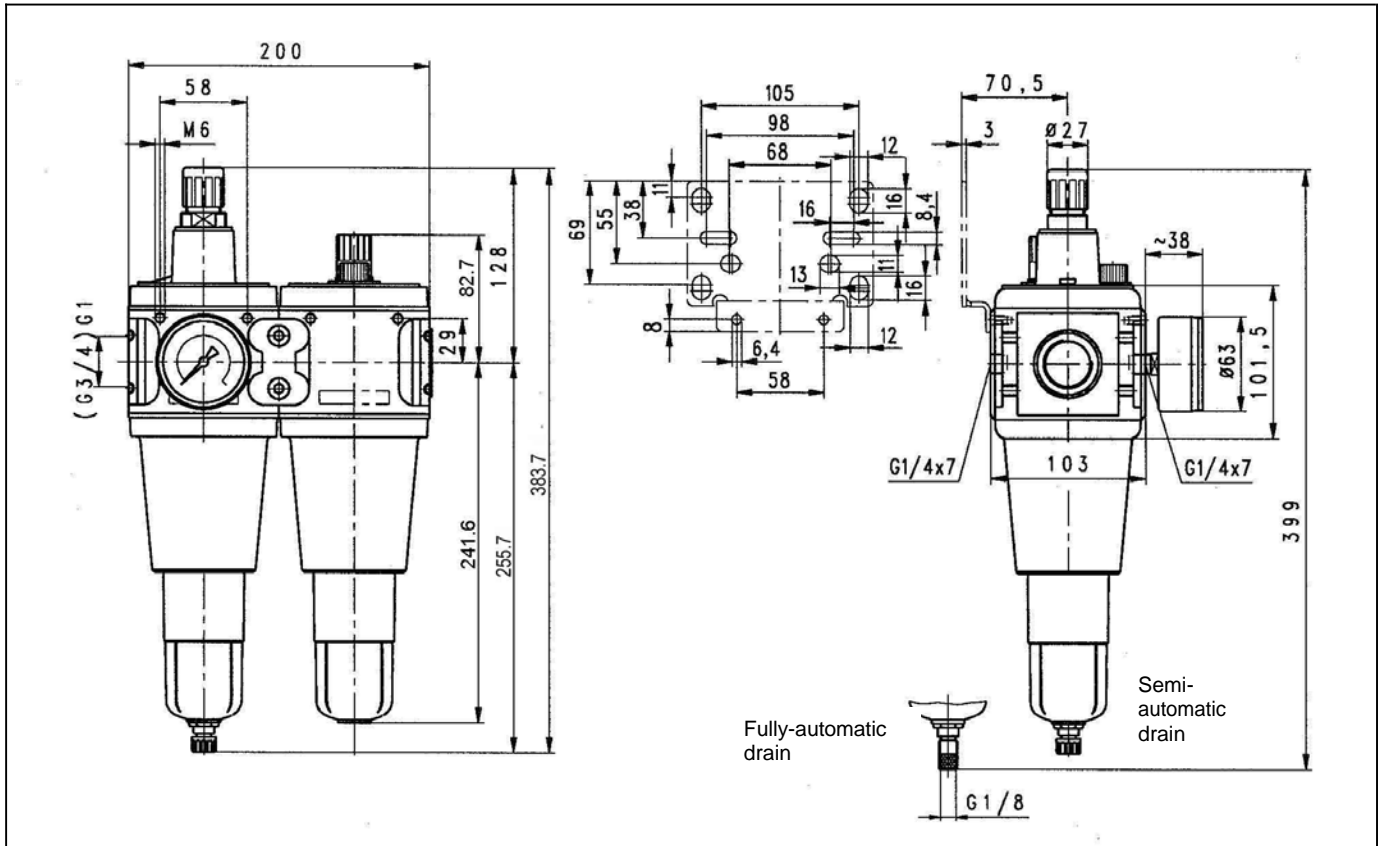
## Characteristics

Type	CL 54	CL 55
Port	G 3/4	G 1
Pressure gauge port	G 1/4	
Type of construction	<ul style="list-style-type: none"> <li>- Diaphragm pressure regulator with self-relieving design, pilot-controlled</li> <li>- Centrifugal filter</li> <li>- Sintered filter element</li> <li>- Proportional lubricator</li> </ul>	
Input pressure $p_1$	Max. 16 bar with plastic bowl Max. 20 bar with metal bowl	
Input pressure $p_1$ with fully-automatic drain	Min. 1.5 bar Max. 16 bar	
Control range $p_2$	0.5 to 10 bar / 0.5 to 16 bar 0.1 to 3 bar / 0.2 to 6 bar on request	
Mounting position	Vertical, drain plug at bottom	
Mounting type	In-line or bracket and twothrough holes	
Medium temperature	Max. 60 °C (other temperature	
Ambient temperature	Max. 60 °C ranges on request)	
Filter rating	40 $\mu$ m	
Bowl capacity	<b>Filter:</b> Max. 125 cm <sup>3</sup> condensate <b>Oil-mist lubricator:</b> 450 cm <sup>3</sup>	
Condensate drain	Semi-automatic Fully-automatic on request	
Weight [g]	3830	
Internal air consumption	Depending on secondary pressure	

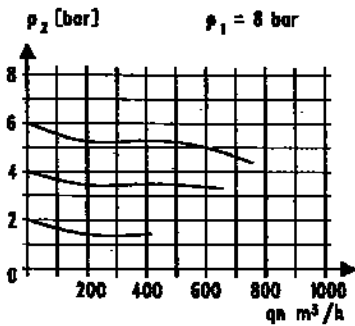
## Materials

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 $\mu$ m	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

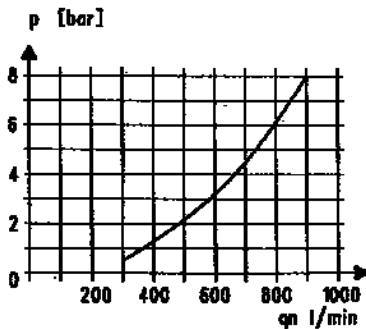
Dimensions [mm]



Flow characteristic

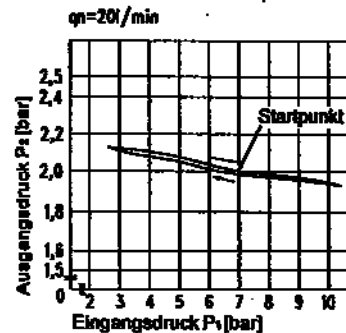


Lubricator operating limit



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



Flow rates

Flow rates at  $p_1 = 8$  bar

Output pressure $p_2 =$ [bar]		6
Nominal flow ( $\Delta p = 1$ bar)	QN m <sup>3</sup> /h	630
	l/min	10500

Accessories

Designation	Article No.	Ident No.
Mounting bracket with two screws, compl.	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 fully-automatic drain valve (filter)	MS 33 FS-A	100503
Metal bowl with sight glass (lubricator)	MS 33 NS	100549
Polycarbonate bowl with semi-automatic drain valve (filter)	KS 33 F-HA	100504
Polycarbonate bowl with fully-automatic drain valve (filter)	KS 33 F-A	100505
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	22.355.4	100509
Filter element 8 $\mu$ m	655.6.908	100510
Sight dome (polycarb.)	1233.7.990	100392
Sight dome (metal)	1233.7.909	100393
Pr. gauge $\varnothing$ 63 mm, G1/4		
0 to 10 bar	217-KD	101244
0 to 16 bar	218-KD	101398

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