


Service unit
2-piece

Size 5

CL 54*

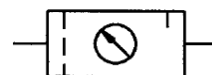
G 3/4

CL 55

G 1

0.5 to 10 bar

0.5 to 16 bar



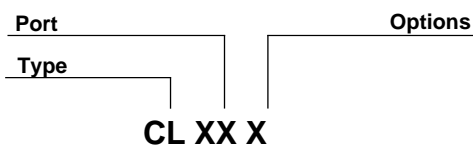
*On request

Characteristics

Type	CL 54 G 3/4	CL 55 G 1
Port	G 1/4	
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 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 two through holes	
Medium temperature	-10 to 60 °C (other temperature ranges on request)	
Ambient temperature	-10 to 60 °C (other temperature ranges on request)	
Filter rating	40 µm	
Bowl capacity	Filter: Max. 125 cm ³ condensate Oil-mist lubricator: 450 cm ³	
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 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

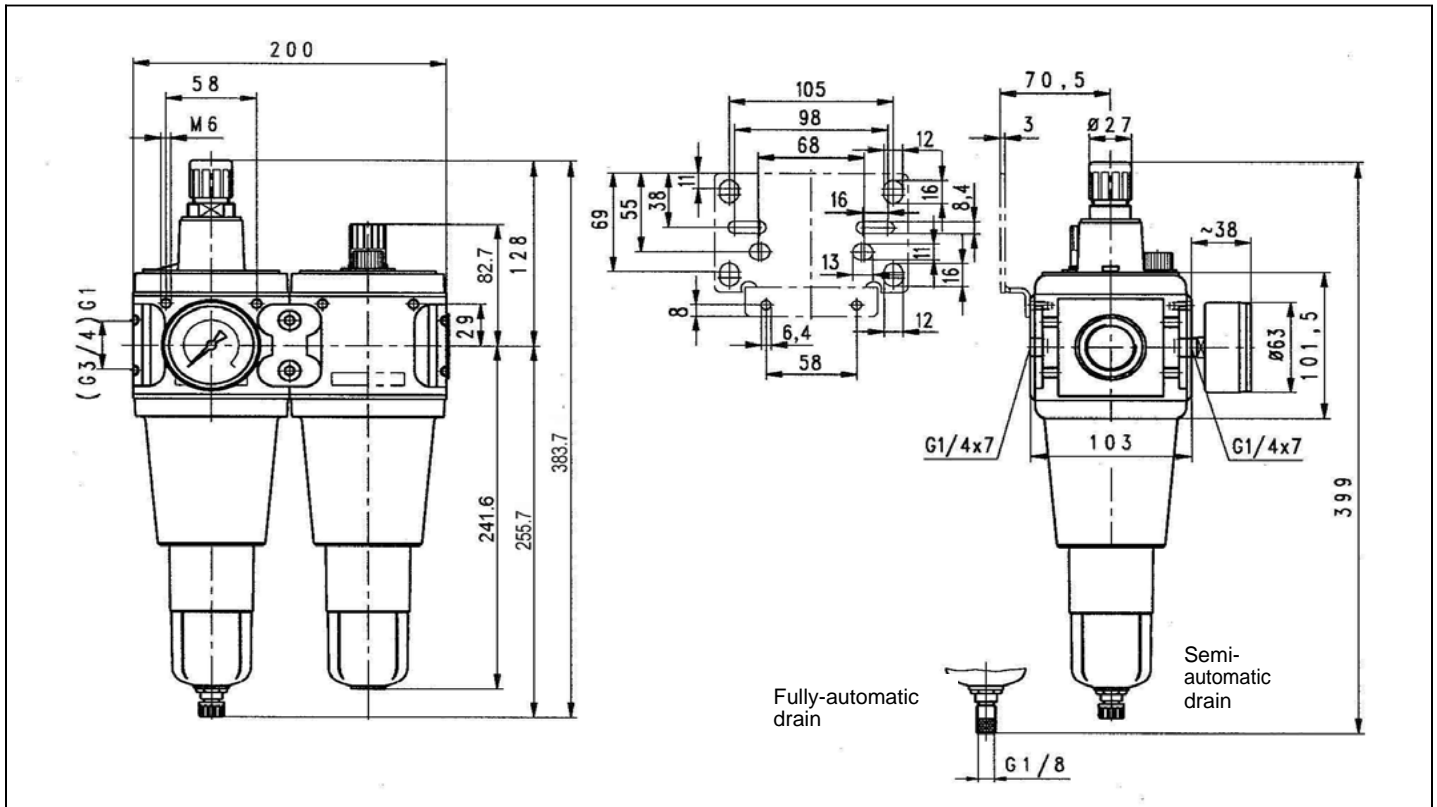
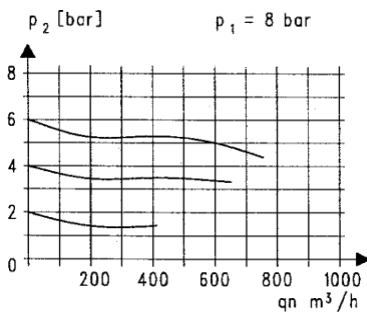
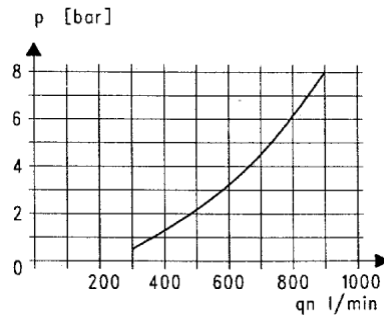
- Simple block mounting with other devices
- Joiner sets (KP 55) required for block mounting
- Joiner sets (KP 55 Z) required for block mounting with K 55 ball valve and T 55 diverter block
- Pressure setting can be locked by pushing the knob down
- Independent of inlet pressure
- Pressure gauge 63 mm 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

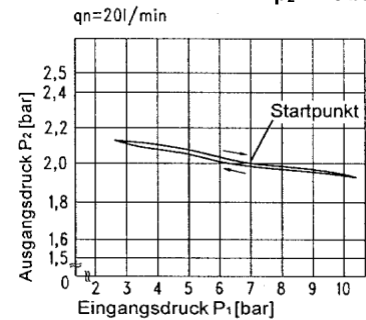
 Viscosity at 40 °C: 32 cSt [mm²/s]

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 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 $p_1 = 10$ bar

Output pressure $p_2 =$ [bar]		6
Nominal flow ($p = 1$ bar)	QN m^3/h	630
	l/min	13500

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) Automatic drain	KS 33 N	100548
	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 μm	655.6.908	100510
Sight dome (polycarb.)	1233.7.990	100392
Sight dome (metal)	1233.7.909	100393
Pr. gauge 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