



Effective against liquid chlorine

CondiChlor - Pressure reducing valve with chlorine gas filter

Problem liquid chlorine

The dosing of chlorine gas places high requirements on the machinery and materials. If your chlorine gas dosing system does not fulfil these high requirements, malfunctions and system shutdowns are the result, even if a great deal of care has been invested in planning and construction.

Impurities and liquid chlorine have proven to be the most common causes of malfunctions of chlorinators. It either enters the system directly from the chlorine tank or develops in piping through condensation, which is unavoidable as a result of temperature and pressure differences. The liquid chlorine attacks the plastic parts of your equipment which are only resistant to gaseous chlorine. Malfunctions or leakages are the result.

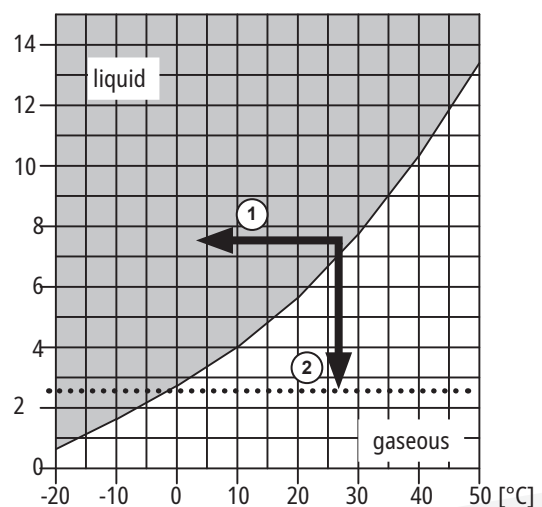
CondiChlor prevents malfunctions

The CondiChlor effectively prevents these problems. On the one hand, it has a catchpot with filter in which the liquid chlorine is separated, collected and re-evaporated. Vaporisation can be accelerated with the additionally available heating collar.

Secondly, the CondiChlor has a pressure reducing valve that can be used to actively prevent the formation of liquid chlorine in the connected equipment and pipe lines.

If, for example, an outlet pressure of 2.5 bar is set on the CondiChlor, as shown in the diagram below, the chlorine gas will only reliquefy below 0 °C.

[bar (g)]



Item	Alteration	Effect
1	Cooling	Gaseous chlorine condenses
2	Reducing the pressure	Chlorine remains gaseous

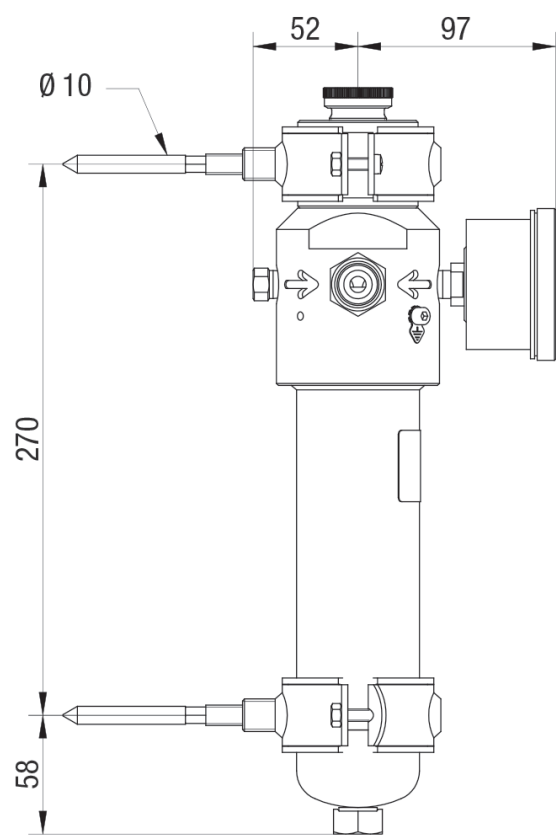
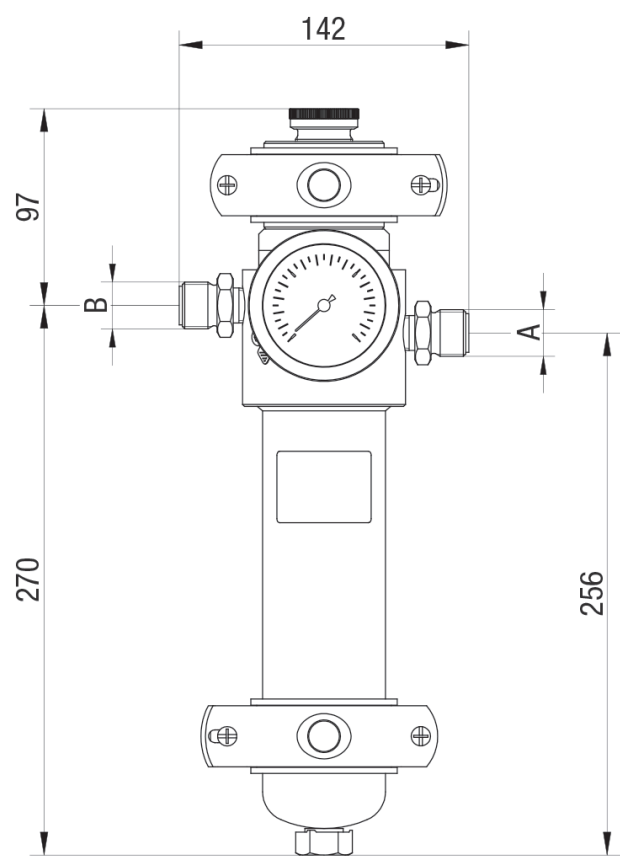
safety is our concern

Technical data

Specification and Unit			Value
Chlorine gas flow rate		kg/h	10/25/40
Nominal pressure			PN25
Required supply pressure		bar	3
Adjustment range output pressure		bar	1 – 3
Max. pressure loss		bar	0.5
Absolute filter fineness for particles		µm	> 2.5
Volume of the catchpot	10 kg/h chlorine gas	ml	125
	25 kg/h chlorine gas		250
	40 kg/h chlorine gas		500
Pressure gauge (optional)	Measuring range	bar	0 – 16
	Size	mm	Ø63
	Accuracy	%	±2.5 % of scale value
	Contact load rating		50 V / 0.5 A / 10 W
Material in contact with the media	Housing		Carbon steel, nickel-plated brass, monel
	Filter, ball		Ceramic
	Spring		Hastelloy
	Diaphragm		FPM
	Seals		FPM
Weight (with pressure gauge)	10 kg/h chlorine gas	kg	approx. 6
	25 kg/h chlorine gas		approx. 9
	40 kg/h chlorine gas		approx. 12
Max. ambient temperature		°C	+55
Air humidity		%	max. 95, non condensing

Technical data

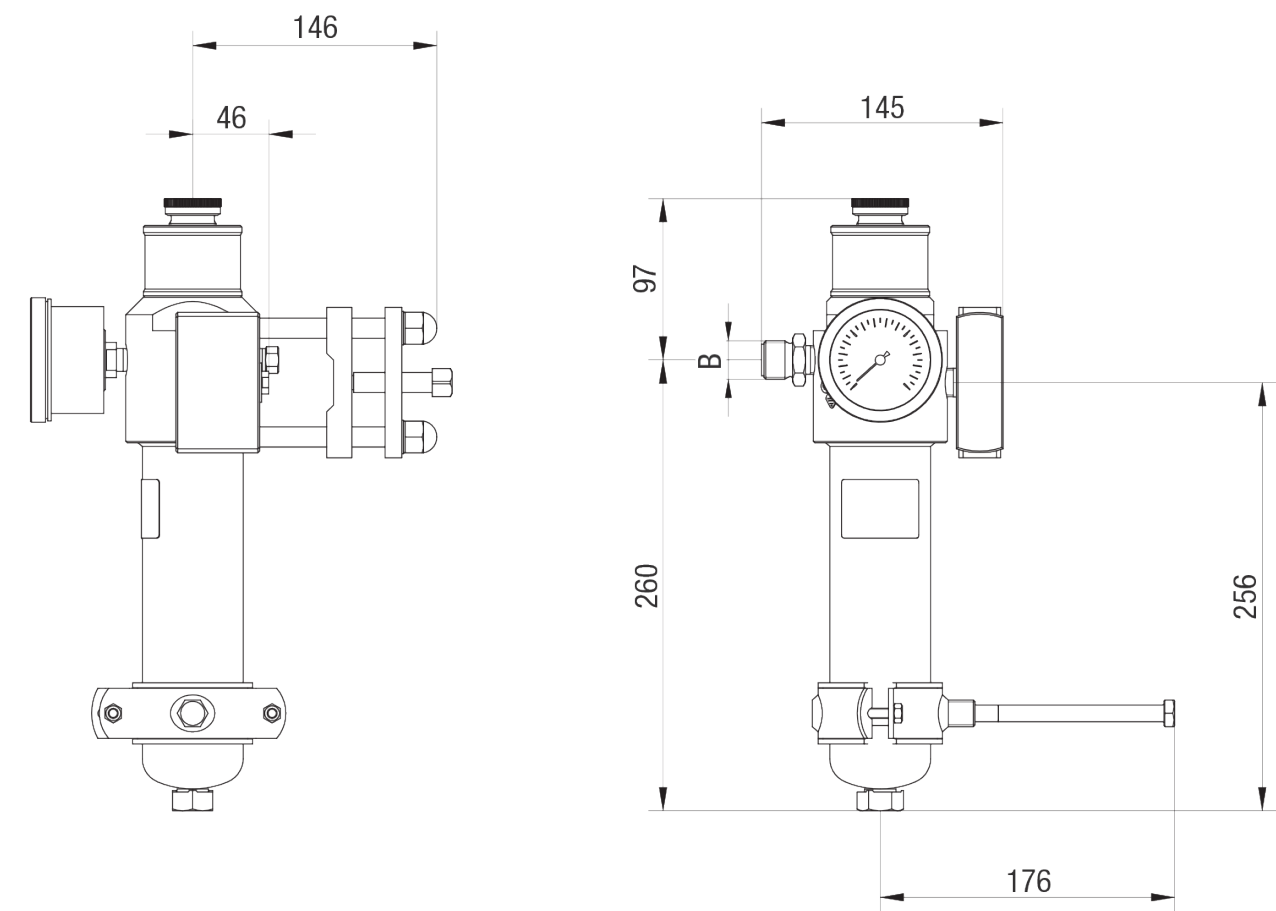
CondiChlor 10K for wall mounting



Input (A) / Output (B)	Standard
BSW 1"	DIN 477
G5/8	BS 341
G3/4	AS 2473
1.030"-14 NGO	CGA V-1 (660)

Technical data

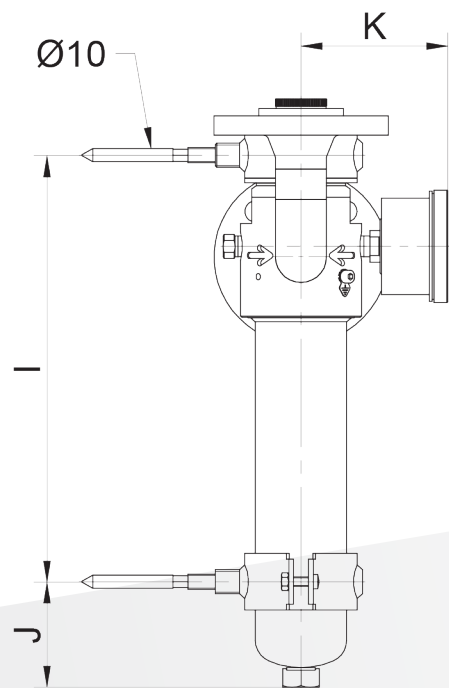
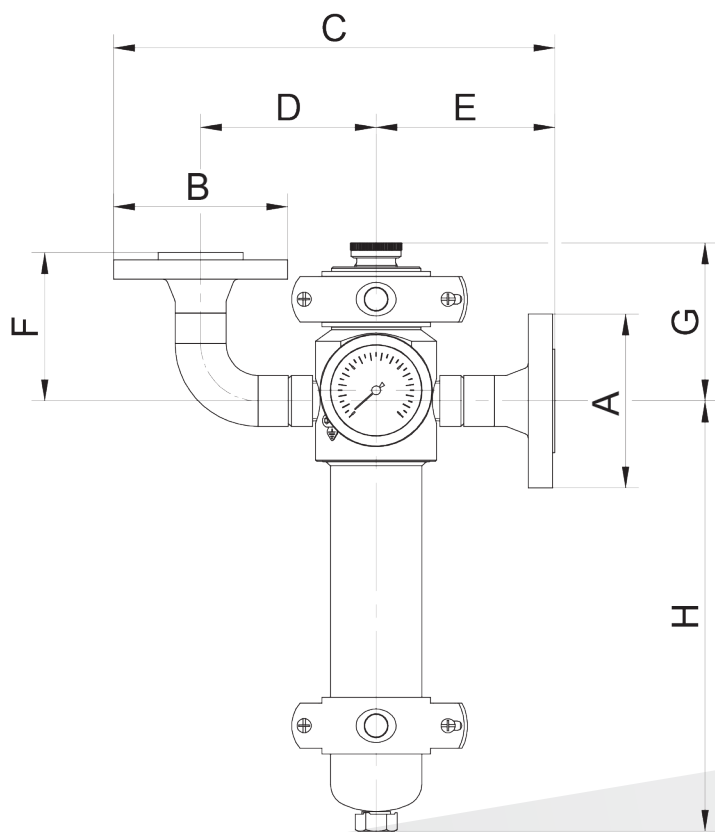
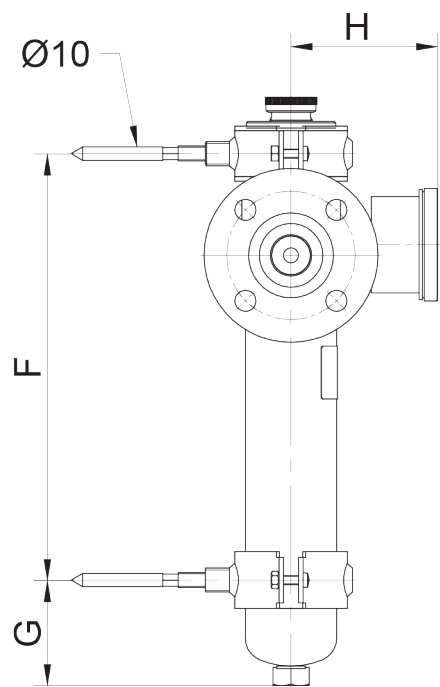
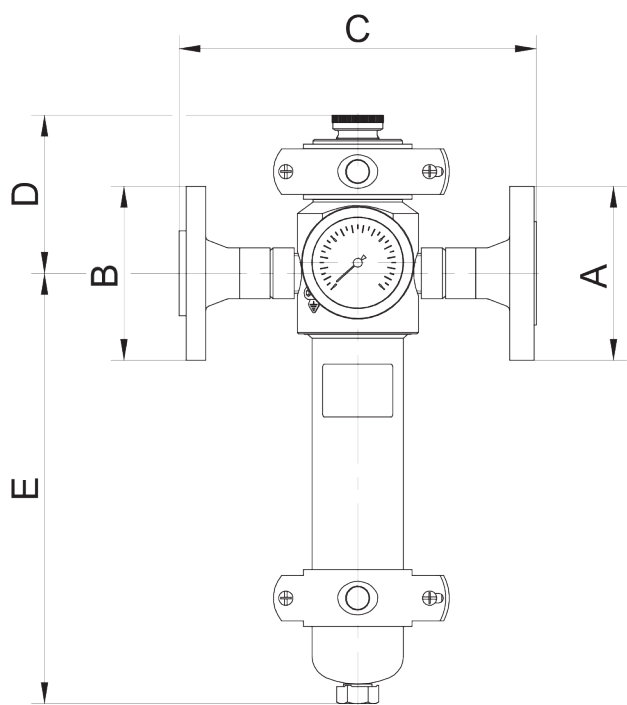
CondiChlor 10K for drum mounting



Input	Output (B)	Standard
Universal yoke	BSW 1"	DIN 477
	G5/8	BS 341
	G3/4	AS 2473
	1.030"-14 NGO	CGA V-1 (660)

Technical data

CondiChlor 25K / 40K



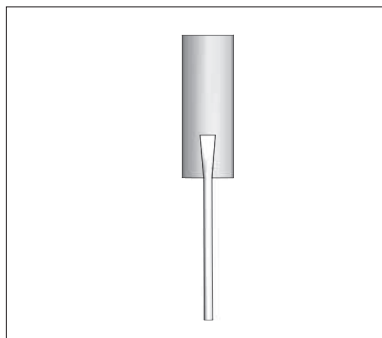
Technical data

Dimensions CondiChlor 25K / 40K

CondiChlor (input: right, output: left)		
Power output	25K	40K
Scale	Flange type	
A	Flange DN25/PN40 groove	
B	Flange DN25/PN40 with tongue	
	Values [mm]	
C	236	256
D	105	100
E	284	343
F	280	323
G	69	82
H	97	107

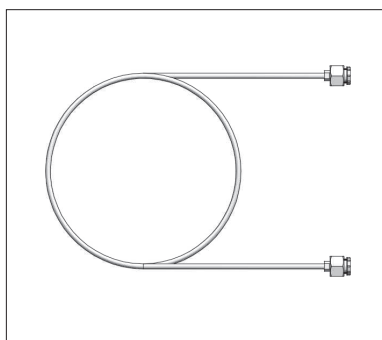
CondiChlor (input: right, output: left)		
Power output	25K	40K
Scale	Flange type	
A	Flange DN25/PN40 groove	
B	Flange DN25/PN40 with tongue	
	Values [mm]	
C	292	312
D	116	126
E	118	128
F	98	98
G	105	105
H	284	336
I	280	323
J	69	82
K	97	107

Standard accessories



Heating collar

incl. fastening material and 3 m cable, excl. plug
30 W, 240 V or 30 W, 120 V



Flexible connection line

on both sides with union nut G 5/8
Lengths 2, 4 or 6 m



Order no. PI-23120-02 | State of the art 04.2026
Subject to technical changes.

Follow us on:



Lutz-Jesco GmbH

Am Bostelberge 19 | D-30900 Wedemark | Telephone +49 5130 5802-0 | info@lutz-jesco.com | www.lutz-jesco.com