

# Product Data Sheet

## Condensate Drain CDF130..

Version: 1.8.0

Author: Manfred Loy

Date: 13.07.2018

### Field of application

The CDF130 condensate drain is designed for discharging small to medium amounts of liquid from pressurised housings with an integrated liquid collecting area up to 16 bar for non-aggressive condensate. The condensate drain is mounted in the pressurised housing from which the liquid is to be discharged (internal drain).

### Features

The CDF130 condensate drain is designed for fully automatic and level-controlled discharging of liquids from pressurised housings with an integrated liquid collecting area to the environment. The pressure-proof floating body rising with the liquid column operates a pilot air-controlled valve mechanism and activates opening of the valve and thus discharging of the liquid. In the same way the valve is closed with a falling liquid level before any compressed air may escape. In depressurised state (<1.5 bar) the valve is open (NO design) and used for pressure relief while discharging condensate residues. As an option the CDF130 is available as a depressurised closed version (NC design).

The dirt screen integrated in the condensate drain retains coarse contamination from the valve mechanism and thus increases the operating safety and service life. The protective cap provided on the condensate drain prevents condensate drops from entering the pilot valve area and, as a result, avoids malfunctions of the condensate drain caused by external effects from above.

Turning the outlet jacket allows for lifting the valve seat, thereby depressurising the housing (manual venting and draining).

The CDF130 is mounted using the M14x1 connection thread or a bore hole locked by means of a nut. The condensate drain is sealed using the integrated O-ring. In conjunction with the CAK-B15-M14 adapter the CDF130 provides a G 1/2 mounting connection. A G 1/8 fitting (e.g. hose nozzles or quick connectors) can be connected to the outlet jacket.



# Product Data Sheet

## Condensate Drain CDF130..

Specifications subject to change without notice

Date 13.07.2018

Latest version see [www.fstweb.de](http://www.fstweb.de)

### Basic data

Model	Nominal volume flow*1	Max. operating pressure	Min./Max. operating temperature
CDF130	800 m <sup>3</sup> /h	16 bar	+2°C - +60°C

\*1 - refers to 1 bar(a) and 20°C at 7 bar operating pressure, intake air 25°C at 60% relative humidity, 35°C compressed air temperature

### Maintenance rules

CDF130	Cleaning if required (depending on the contamination of the condensate), replacement after 1 year
--------	---

### Product-specific data

Specification	
Minimum operating pressure	NO design: 1.5 bar (valve open at operating pressures < 1.5 bar) NC design: ---
Backflow resistance, depressurised	NO design: --- NC design: 0.5 bar
Nominal condensate quantity	7.0 litres/h (7 bar) , 9.1 litres/h (16 bar)
Opening cross-section	14 mm <sup>2</sup> (annular gap)

### Materials

Component	
Basic body	Brass
Floating body	Nitrophyl
Pawl element, cap, forked bearing, etc.	POM (polyoxymethylene)
Pressure spring, sieve ring, sieve disc, lever	Stainless steel
Sealing materials	NBR

# Product Data Sheet

## Condensate Drain CDF130..

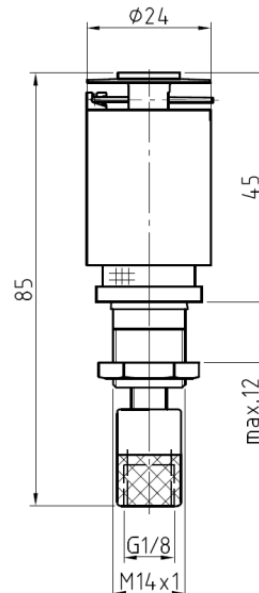
Specifications subject to change without notice

Date 13.07.2018

Latest version see [www.fstweb.de](http://www.fstweb.de)

### Connections, dimensions and weight

Model	Connection	Outlet	Height	Ø	Weight
CDF130	Ø 14 mm	G 1/8	85 mm	24 mm	0.05 kg



### Classification according to Pressure Equipment Directive 2014/68/EU for group 2 fluids

Model	Volume	Category	
CDF130	< 0.01 litres	---	---

### Other Directives

Model	
CDF130	---

# Product Data Sheet

## Condensate Drain CDF130..



Specifications subject to change without notice

Date 13.07.2018

Latest version see [www.fstweb.de](http://www.fstweb.de)