

# Product Data Sheet

## Condensate Drain CDF 140

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### Field of application

The CDF140 condensate drain is designed for discharging medium to large amounts of liquids up to 16 bar of non-aggressive condensate out of compressed air systems. The condensate drain is mounted outside the pressurised housing from which the liquid is to be discharged (external drain). The CDF140 must be directly connected (free passage) to the pressurised housing.

### Features

The CDF140 condensate drain is designed for fully automatic and level-controlled discharging of liquids to the environment. The CDF140 has its own pressure-proof housing and therefore an integrated liquid collecting vessel. The pressure-proof floaters rising with the liquid column operates a directly controlled valve 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 the valve is closed (NC design).



The drain is provided with a separate manual drain which serves to depressurise the connected pressure housing and the drain itself (manual venting and draining).

The CDF140 is mounted using the G 1/2 connection thread at the inlet. The outlet also has a G 1/2 connection thread for the mounting of fittings (e.g. hose nozzles or quick connectors). We recommend using a ball valve with screwed joints (optional CAKR mounting kit) between the CDF140 and the pressure housing from which the liquid is to be discharged. In this way the CDF140 can be removed and cleaned without the need for depressurising the connected pressure housing.

# Product Data Sheet

## Condensate Drain CDF140

Specifications subject to change without notice

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

### Basic Data

Model	Nominal volume flow*1	Max. operating pressure	Min./max. Operating temperature
CDF140	20,000 m <sup>3</sup> /h	16 bar	+2°C - +65°C

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

### Maintenance rules

CDF140	Cleaning if required (depending on the contamination of the condensate), replacement of wear parts after one year
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### Product-specific data

Specification	
Minimum operating pressure	1.5 bar
Backflow resistance (depressurised)	200 mbar (2m water column)
Nominal discharge quantity*1	175 litres/h (7 bar) , 230 litres/h (16 bar)
Valve cross section	1.8 mm

### Materials

Component	
Housing	Aluminium (VDS-Nr.: 226D), anodised
Floating body	Stainless steel
Mounting parts	Brass
Cap	PA6
Sealing materials	NBR

### Dimensions and weight

Model	Connection	Outlet	Height	Width	Depth	Weight
CDF140	G 1/2	G 1/2	130 mm	107 mm	132 mm	0.6 kg

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

Model	Volume	Category	
CDF140	0.4 litres	---	---

### Other Directives

Model	
CDF140	---