



Sample cooler

IGEMA SC32-SC132

Application and function

IGEMA sample coolers are used for the manual taking of water samples for analysis purposes. They cool the sample water down to the ambient temperature.

The sample temperature is determined by the ratio of the volume of cooling water to that of the sample water volume.

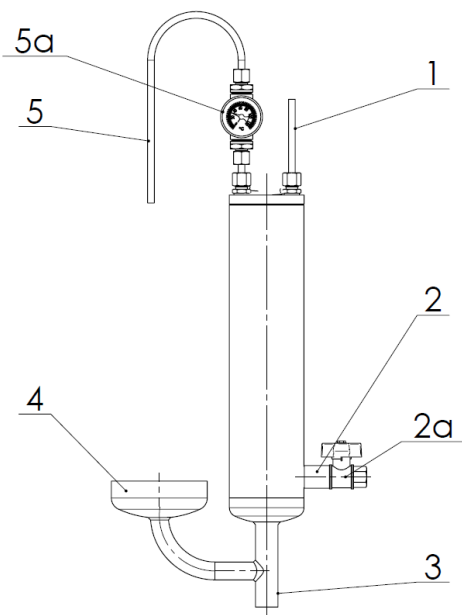
The sampling pipe (1) must be flushed for an appropriate period. To this end, first the cooling water valve (2a) is opened and then the sampling valve (1a) is slowly opened until the cooled medium flows out of the sample outlet (5).

After the sample taking process is completed, the sampling valve (customer side) must first be closed and then the cooling water valve (2a) closed.

Technical Basic Equipment

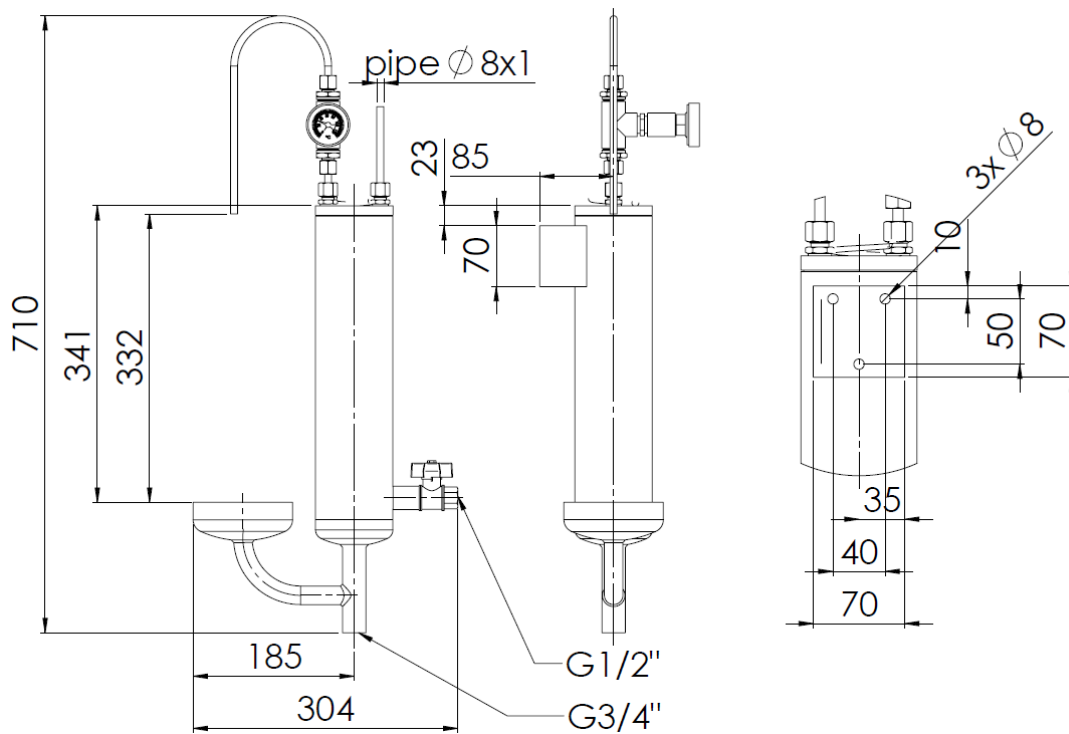
Housing with built-in cooling hose including support and funnel (4), with the following parts connected:

- Sample intake (1) sampling valve (supply by customer)
- Cooling water intake (2) with cooling water valve (2a)
- Drainage connection (3)
- Sample outlet (5) with thermometer unit (5a)
- Funnel to take a measuring jug (4)



Technical data

Type: SC32-SC132		Cooling hose	Housing
Nominal pressure	PN	63	16
Input pressure	PS [bar]	60 bar	6 bar
Temperature	TS [°C]	276	100
Material		1.4404	1.4301
Sample intake connection (1)	Cutting ring connection D8		
Cooling water intake connection (2)	DN10 / G 1/2 - I		
Sample water outlet connection (4)	Pipe $\varnothing 8 \times 1$ mm		
Drainage connection (3)	G 3/4 - A		
Complete sample cooler	Article-No. 10-18764		
Cooling water valve (2a)	Article-No. 40-11215		
Thermometer unit (4a)	Article-No. 15-06258		



Safety notice!

The device may become very hot as a result of the flow of the sample medium through it and it must be regularly checked for a good seal. There is a risk of being burnt or scalded. So appropriate protective clothing should be worn and relevant accident prevention regulations should be observed.

Digital Documentation

