Samples water-cooler

For steam boilers

Mod. 560 DRM-1

Operation

Efficient monitoring of the purging of salts, dirt and sludge in a steam boiler requires regular analysis of the water in order to verify that its parameters are within the ideal levels af salinity and alkalinity demanded by law.

All the Continuous desalting valve (Mod. 560 and 560-A) are provided with taps for obtaining samples. As the water is extracted continuously 30 ÷ 50 mm. below the minimum level, the collection level is ideal and does not interfere with the control and level regulation devices.

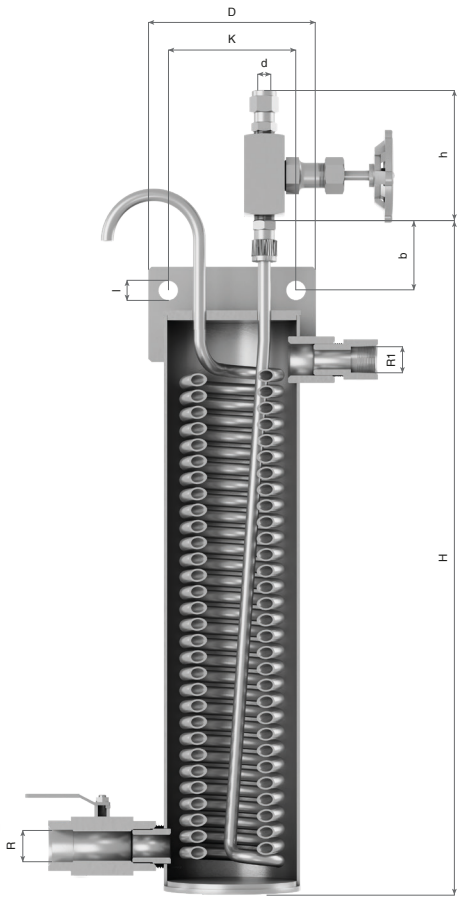
Direct sampling is incorrect:

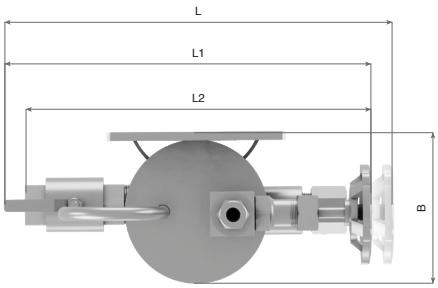
- Losses by expansion increase the density of the water and falsify results.
- There is an obvious physical risk involved.

The basic premise for conducting analyses correctly is to bring the samples from the tap of the Continuous desalting valve to the Samples water-cooled DRM-1, and bring them down to between 24 ÷ 26°C.

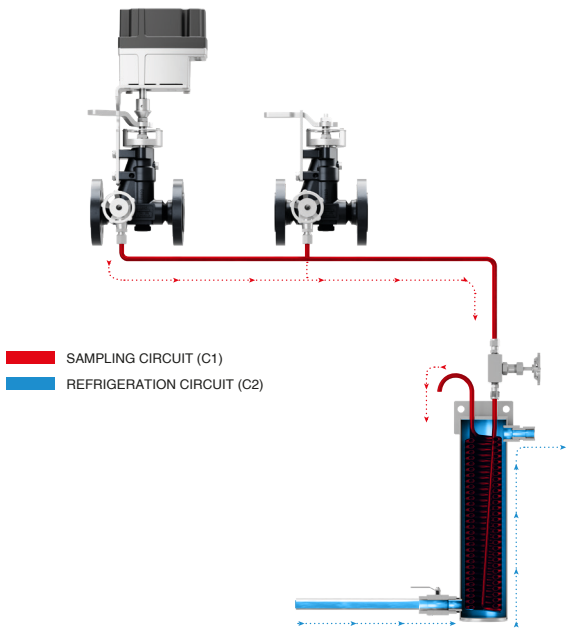
Specifications

- The Samples water-cooled DRM-1 consists of:
  - Needle valve Mod. 147 of 1/4", with a simple box joint for connecting to the 6/8 mm Ø tube from the sample-taking faucet.
  - One piece coil with collection nozzle, with no welding, and cold-bent.
  - Ball valve Mod. 999 of 1/2", for entry of coolant water to the device.
  - Wrapper cylinder with cooling water inlet and outlet.
- Entirely Stainless steel (EN-1.4401).
- Finished: Glass-ball blast.
- Simplicity of construction.
- Easy to connect.
- Each of the components is numbered, registered, and checked. If prior request is made a certificates of materials, batch and tests will be supplied.





MODEL	DRM-1		
R	1/2"		
R1	1/2"		
CONNECTIONS	Whitworth gas-tight cylindrical female thread ISO 228/1 (DIN-259)		
	NPT thread ANSI-B2.1 via adapter. 1/2" M-GAS to 1/2" F-NPT		
H	413		
h	80		
L	224		
L1	218		
L2	204		
d	Connection pipe Ø 6/8		
B	89		
D	105		
K	80		
l	12		
b	40		
DRILLS N°.	2		
WEIGHT [kg]	3,87		
CODE	2102-560.0022		
OPERATING CONDITION	SAMPLING CIRCUIT C1	MAX. PRESSURE [bar]	140
		MAX. TEMPERATURE [°C]	340
		VOLUME [l]	0,16
	REFRIGERATION CIRCUIT C2	MAX. PRESSURE [bar]	10
		MAX. TEMPERATURE [°C]	As required to bring the samples down to 24 ÷ 26°C
		VOLUME [l]	1,48



Operation

1- Open the coolant water entry valve.
2- Gradually open the sampling circuit interruption valve until a significant sample between 24 ÷ 26°C is obtained.
3- Close the sampling circuit interruption valve.
4- Close the coolant water entry valve.

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