AKVAPUR

Akvapur
Sample Cooler for Water and Steam

Process Water

Akvapurs unique sample cooler is the markets most demanded sampler of hot water and steam. The sample cooler is very suited for sampling hot fluids which otherwise are not able to be handled.

Your Benefits

- Approved up to 575 °C and 250 bar
  - Sample side
- Approved up to 100 °C and 16 bar
  - Cooling Water side
- Low consumption of cooling water
- Easy to install and maintenance due to the quick coupling device
- Solid design in stainless steel

VEOLIA WATER
Solutions & Technologies

Akvapur

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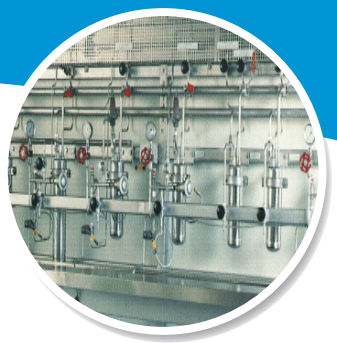


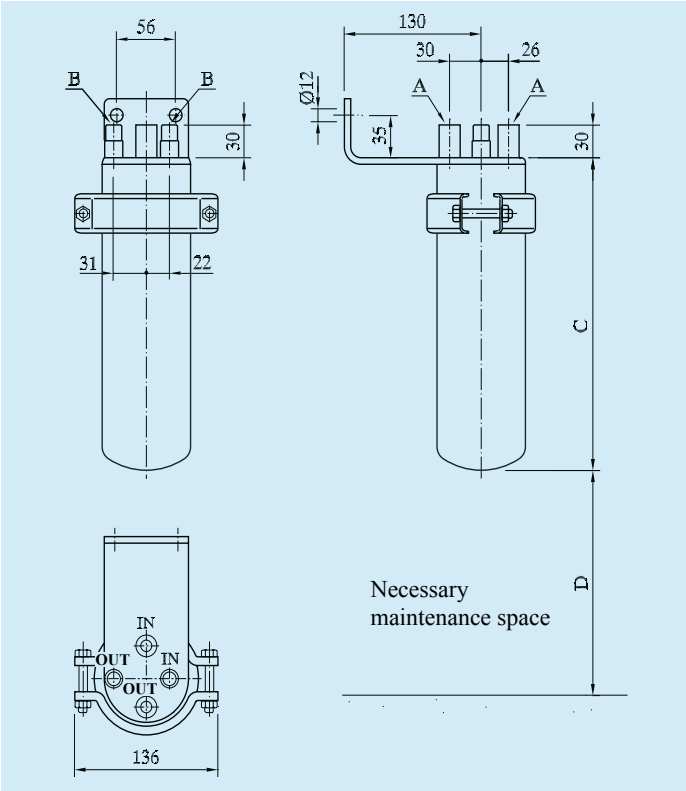
Example of using areas:

- Hot water and steam from steam boilers
- Loops at power plants
- Sampling of saturated and super heated steam

Guidelines choosing the right size of cooler:

- **V100** – Hot water sample. Assumed that a good supply of cooling water is available
- **V150** – Hot water samples and saturated steam.
- **V200** – For super heated steam.

Here follows some examples by the sample coolers performance. The sample is water and saturated steam by 40 bar/250 °C								
Model	V100		V150			V200		
Flow l/min	0,5	1,0	0,5	1,0	0,5	1,0	0,5	1,0
Temperature out, °C	35	38	25	28	26	23	23	24
Cooling water temp. in, °C	20	20	20	20	20	20	20	20
Cooling water flow, l/min	10	15	6	8	15	7	7	13
Condition	Water	Water	Water	Water	Steam	Water	Steam	Steam



Dimensions and weights			
Model	C,mm	D, mm	Weight, kg
V 100	280	210	4,2
V 150	430	370	5,5
V 200	530	450	6,7

Material	EN 1.4404
Cooling loop, Dy	6, 1 mm
Loop length	6/9/12 m
Calculated pressure, cooling side	16 bar at 100°C
Calculated pressure, sample side	250 bar at 575°C
Connection sample side (A)	welding for pipe Dy 10 mm
Connection cooling side (B)	R 3/8”

If you have other needs of material, pressure and temperature, please contact us and we will help you.

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