

Summary of Eddy Current Inspection

Inspection Report: 24.007351.716 | created on 16.12.2024 11:56 | grey = Customer Data

<u>Customer</u> Energy provider	PR-No: 24.0000.007 Place: Power station Test Position: Inlet Test Norm: DIN EN ISO 15549	Inspection Date: 16.12.2024 Object: Aircooler Bundle: Aircooler Supervisor: C.Salvo Operator: I.Becker
<u>Accredited laboratory*</u> ec-works GmbH Celler Str. 51 29308 Winsen/Aller Germany D-PL-21460-01/DIN EN ISO 17025	Tube Type: Straight Material: CuNi10Fe Length: 2.00 m ø Outside: 15.00 mm ø Inside: 13.00 mm Wall Thickness: 1.00 mm	Insp. method: Long Tube Device: ecw 004 Probe Type: D-B-ID Calib. Tube: F 012 Calib. Defect: 1,0 mm hole Frequency: 90.00 kHz

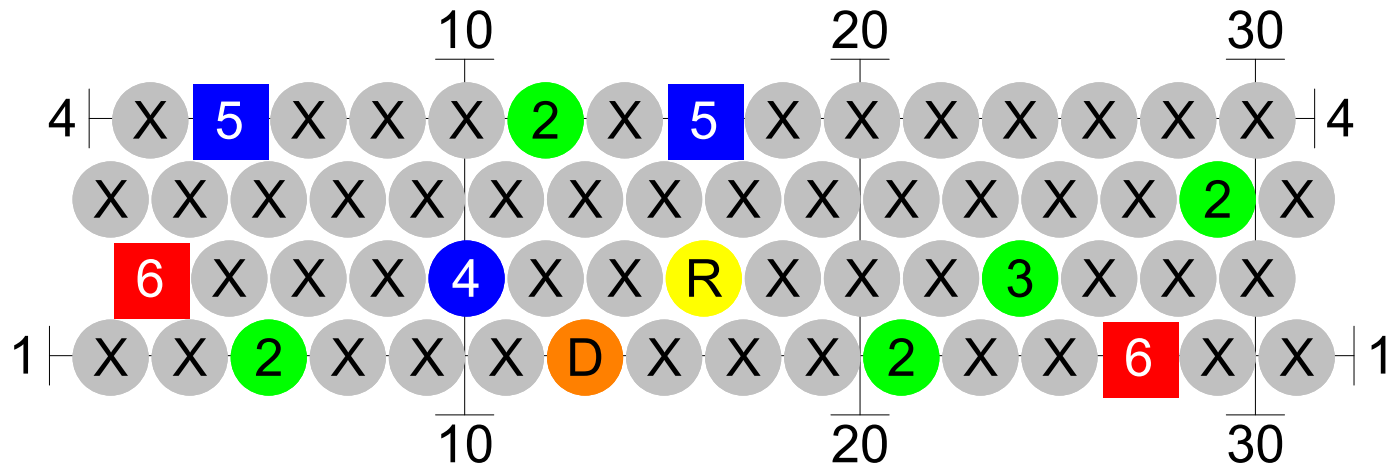
Remarks

This is an example of an eddy current inspection documentation

Defect Depth	Code	Qty inside	Code	Qty outside
20% - 29%	2	4 = 6.45%	2	0 = 0.00%
30% - 39%	3	1 = 1.61%	3	0 = 0.00%
40% - 49%	4	1 = 1.61%	4	0 = 0.00%
50% - 59%	5	0 = 0.00%	5	2 = 3.23%
60% - 69%	6	0 = 0.00%	6	2 = 3.23%
70% - 79%	7	0 = 0.00%	7	0 = 0.00%
80% - 89%	8	0 = 0.00%	8	0 = 0.00%
90% - 99%	9	0 = 0.00%	9	0 = 0.00%
Restricted	R	1 = 1.61%		
Dent	D	1 = 1.61%		
no indication > threshold	X	50 = 80.65%		
Tubes Count		62 = 100%		
Tubes Tested		62 = 100.00%		
Plugged	P	0 = 0.00%		
To Be Plugged		4 = 6.45%		
Final Number of Plugs		4 = 6.45%		
Available		58 = 93.55%		

Inspection results refer to the calibration of the inspection system and in comparison to the reference defects.
 * Test laboratory accredited by the DAkkS in accordance with DIN EN ISO 17025. The accreditation is only valid for the scope of accreditation listed in the certificate annex D-PL-21460-01.

Aircooler



ec-works

Test Result Plan

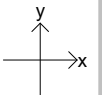
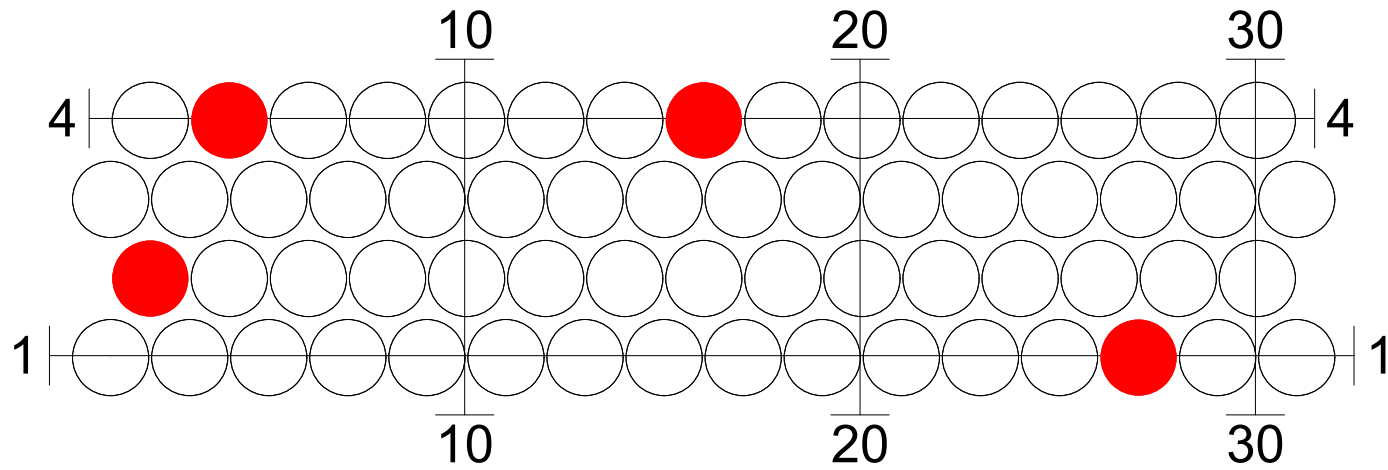
Customer: Energy provider
 Object: Aircooler
 Bundle: Aircooler



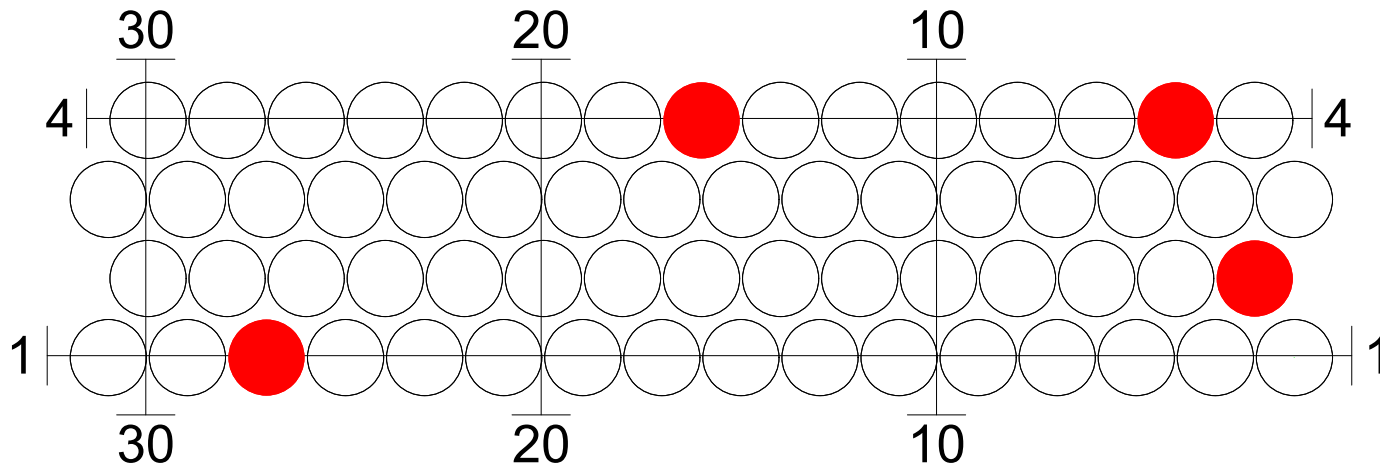
Pr-No: 24.0000.007
 Inspection Date: 16.12.2024
 View: Inlet

- X no indication > threshold
- D Dent
- R Restricted
- 2 - 9 Inside Defects
- 2 - 9 Outside Defects

Aircooler



Aircooler



ec-works

Plugging Plan

Customer: Energy provider

Pr-No: 24.0000.007

Object: Aircooler

Bundle: Aircooler

View: outlet

● To Be Plugged

● Plugged

Plugging Limit: \geq 5 \geq 7



[%] of tested Tube

