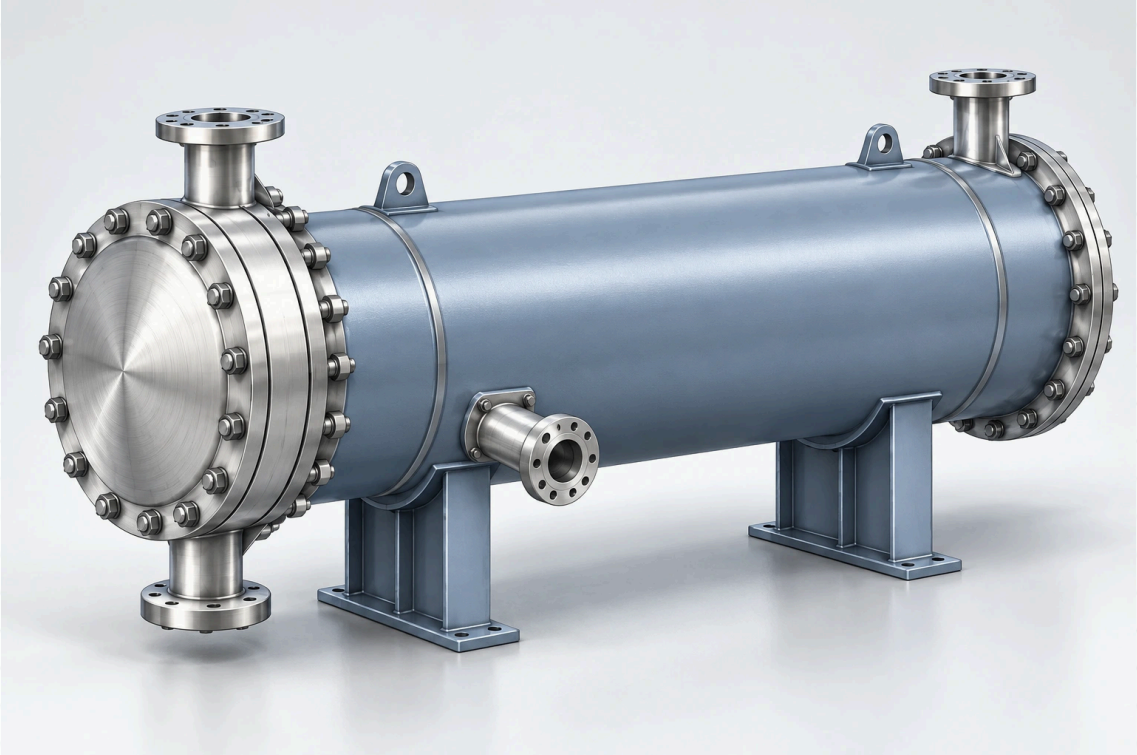
MANUFACTURING RECORDS / REVISION C

MANUFACTURING DATA BOOK E-201

Shell-and-tube heat exchanger



3D VISUAL / MATERIAL FINISH / ILLUSTRATIVE

ALL PROJECT DATA FICTITIOUS

PROJECT HX-2026-021 / Process cooling	MANUFACTURER Example Fabrication Co.
PURCHASE ORDER DEMO-PO-26021	SERIAL NUMBER DEMO-HX-0021

Horizontal process cooler with cooling water on the tube side and process fluid on the shell side. This excerpt connects four nozzle references to their circuits and the corresponding test-document review.

Issue purpose: documentation review.

Four-page illustrative excerpt. The tube-side test record is outstanding on page 4. No test result, equipment acceptance or release is established by this sample.

02 / ENGINEERING RECORDS

Document register

Heat exchanger / E-201

HX-2026-021 / DEMO-HX-0021. Numbered pages are included. Ref. only = a fictional supporting record not reproduced. '-' = no revision recorded.

DOCUMENT / REFERENCE	DESCRIPTION	REV.	LOCATION
MDB-E201-001	Cover & equipment identification	C	1
IDX-E201-001	Document register	C	2
DS-E201-001	Equipment data sheet	B	Ref. only
GA-E201-001	Arrangement & nozzle schedule	B	Ref. only
ITP-E201-001	Inspection & test plan	B	Ref. only
NC-E201-001	Nozzle & circuit register	C	3
MAT-E201-001	Material traceability register	-	Not shown
WLD-E201-001	Weld map & welding records	-	Not shown
NDE-E201-001	Examination report index	-	Not shown
TP-E201-001	Pressure test procedure	B	Ref. only
PT-E201-S01	Shell-side pressure test record	A	Ref. only
PT-E201-T01	Tube-side pressure test record	-	Pending
DR-E201-001	Test-document review	C	4
PK-E201-001	Preservation & packing record	-	Not shown
REL-E201-001	Final release documentation	-	Not issued

Open item DR-01

PT-E201-T01, the tube-side pressure test record, is awaiting receipt and review. The circuit and nozzle references appear on page 3; follow-up is recorded on page 4.

03 / ENGINEERING RECORDS

Nozzle & circuit register

Four process connections / E-201

The fictional arrangement GA-E201-001, Rev B assigns the connections below. Circuit identity keeps the shell-side and tube-side document references distinct.

NOZZLE	SERVICE / CIRCUIT	DIRECTION	TEST RECORD
N1	Cooling water / tube side	Inlet	PT-E201-T01
N2	Cooling water / tube side	Outlet	PT-E201-T01
N3	Process fluid / shell side	Inlet	PT-E201-S01
N4	Process fluid / shell side	Outlet	PT-E201-S01

CIRCUIT 01 Tube-side document chain

CONNECTIONS	ARRANGEMENT	TEST RECORD
N1 / N2 Inlet and outlet	GA-E201-001 Revision B	PT-E201-T01 Awaiting receipt

N1 and N2 belong to the same tube-side circuit. Both refer to PT-E201-T01; neither is a separate nozzle test. The outstanding document is tracked as DR-01 on page 4.

REVIEW Check the circuit identity

> **Reference check**
> Match the equipment tag, circuit designation and arrangement revision across the procedure and report. Record receipt and technical review separately. A document reference alone does not establish a passed test.

REGISTER SCOPE
Four process nozzles

OUTSIDE THIS EXCERPT
Dimensions, ratings and test conditions

04 / ENGINEERING RECORDS

Test-document review

Shell side and tube side / E-201

Illustrative review against ITP-E201-001 / B and TP-E201-001 / B. This page records document availability; no pressure test has been performed for this example.

CIRCUIT	CONNECTIONS	REPORT	DOCUMENT STATUS
Shell side	N3 / N4	PT-E201-S01 / A	Reference recorded; source not reproduced
Tube side	N1 / N2	PT-E201-T01 / -	**Awaiting report**

DR-01 / Tube-side test record missing

Requested record: PT-E201-T01, equipment E-201, circuit N1 / N2.

Owner: manufacturer QC coordinator.
Status: awaiting report and review; no result recorded.

CLOSEOUT Complete the document review

01 / REQUEST	02 / MATCH	03 / RECORD
Obtain report	Check identity	Log review
Ask the test-record owner	Equipment, circuit, revision	Update DR-01 and index

The actual project procedure determines test conditions, sequence, acceptance criteria and any witnessing requirements. These are not prescribed in this illustrative excerpt.

DOCUMENT ITEM
DR-01 / open and unsigned

EQUIPMENT RELEASE
Not issued / no approval implied

Excerpt boundary

Supporting reports and procedures are not reproduced. Reference recorded does not mean reviewed, accepted or passed.