

NIJECT

P.O. # 825-45262

Wyoming (Chevron Plant)

COOLING PRODUCTS, INC.

CPI Job # 2772

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SECTION AND STRUCTURE SPECIFICATIONS

Painter Reservoir, WY - PROJECT 6672

2- Structure Model 11D11-36102

* Overall Dimensions 11' x 36' x 18.5' High

No. of Cells 2 Cell Dimensions 11' x 36' x 18.5' High, No. of Fans per Cell 2

Fan Deck Clearance 6'-6 1/2" Type Fan Support Induced draft quad design

Wind Loading 40 PSF Paneling 14 BWG braced Finish Galv.

Special Features Induced draft design; shop assemble to max. extent shipping permits;
API-661 Construction; Epoxy coat tube ends. Design for future addition of bugscreens
and louvers. * COMBINATION w/ 2770 --- 2 sets of 1 bay each, side-by-side

Ladder & Walkway NONE Fan Guard or Fence GUARD

SECTIONS: No. 2 Model 98B4-36-02 Design Psi 1500 Test Psi 2250 Design Temp. 350 °F.

BLIC Intercooler #3

Inlet Nozzles 8"900#RF Total 2 Outlet Nozzles 8"900#RF Total 2

Header Dimensions 8" x 9-5/8" x 56-1/2" Section Weight 8,758#

Passes two Tubes per Section 98 Total No. Tubes 196

Tube OD 1" - .075 Tube Length 36' Tube Material SA-214

Total Extended Surface 14846 Sq. Ft. Total Bare Surface 924 Sq. Ft.

Type Plugs Shoulder Plug Material A-105 Total Number 392

Gasket Material steel Total Number Gaskets 392

No. Tube Supports 6 Tube Pitch 2.1875 Fin Type (Mech. Bond) Alum

Fins per Inch 10.25 Fin Height 1/2" Strip Thickness .016

Strip Back Each End 3" Side Frame Material FMD Channel

Length of Side Frame 35' 7-1/4" Width of Section 56-1/2"

2" TUBE & PLUG

1-1/8" WRAPPER

1-1/8" END

1/2" PASS PLATE

ALL MATERIAL SA-515-70

Nozzles XH

SECTIONS: No. 2 Model 90B4-36-02 Design Psi 3120 Test Psi 4680 Design Temp. 350 °F.

BLIC Intercooler #4

Inlet Nozzles 6"1500#RTJ Total 2 Outlet Nozzles 6"1500#RTJ Total 2

Header Dimensions 10" x 10 5/8" x 53-1/8" Section Weight 10,577#

Passes two Tubes per Section 90 Total No. Tubes 180

Tube OD 1" - .145 Tube Length 36' Tube Material SA-214

Total Extended Surface 13634 Sq. Ft. Total Bare Surface 848 Sq. Ft.

Type Plugs shoulder Plug Material A-105 Total Number 360

Gasket Material steel Total Number Gaskets 360

No. Tube Supports 6 Tube Pitch 2.1875 Fin Type (Mech. Bond) Alum

Fins per Inch 10.25 Fin Height 1/2" Strip Thickness .016

Strip Back Each End 4 -1/2" Side Frame Material FMD Channel

Length of Side Frame 39' 5 1/4" Width of Section 53-1/8"

3" TUBE & PLUG

1 3/4" WRAPPER

1 3/4" END

1/2" PASS PLATE

ALL MATERIAL SA-515-70

Nozzles XXH

SECTIONS: No. Model Design Psi Test Psi Design Temp. °F.

Inlet Nozzles Total Outlet Nozzles Total

Header Dimensions x x Section Weight

Passes Tubes per Section Total No. Tubes

Tube OD Tube Length Tube Material

Total Extended Surface Sq. Ft. Total Bare Surface Sq. Ft.

Type Plugs Plug Material Total Number

Gasket Material Total Number Gaskets

No. Tube Supports Tube Pitch Fin Type (Mech. Bond)

Fins per Inch Fin Height Strip Thickness

Strip Back Each End Side Frame Material

Length of Side Frame Width of Section

ASME Code construction and stamp; 1/16" corrosion allowance

Nozzles XXH Bore w/ cast transition swages --- drill & tap 1" NPT

Vent & Drain 1"-6000# cplg both sides.

Plugs to fill plug sheet threads; stress relieve headers; spot

X-ray per API-661; clean bundles per GS-40 w/ 5 PSIG N₂ charge

per bundle; 5'-0" max. tube support spacing.

NATIONAL BOARD

Brinell 225 max

Weight - 33,308#

REV. 1: Chng. Ht.