



DEHDASHT PETROCHEMICAL INDUSTRY COMPANY
DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT



DOCUMENT TITLE: Filter Dryer Data Sheet

POI: IFA

Contract No.: DPIC/98-12

DOCUMENT NUMBER: DPIC9812-000-VD-1002-ME-DS-0084

Rev. No.: D0

Equipment title shall be the same in all documents (PFD,PID,DSH)

DOCUMENT TITLE:

propylene Filter Dryer Data Sheet

tag no to be added here

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| PURCHASER'S COMMENT/APPROVAL STATUS | | | | | Purchaser: NARGAN |
|-------------------------------------|--|------------|-----------------|-------------|---|
| 1 | AP: Approved (Released for Manufacturing) | | | | Requisition No.: DPIC98-12-001-000-ME-MR-4150-0001-D1 |
| 2 | AN: Approved With Minor Comments (Fabrication may Proceed) | | | | |
| 3 | NF: Approved With Comments (Fabrication not Proceed) | | | | Item No. (Tag No.): PK-6101 |
| 4 | RJ: Rejected | | | | |
| 5 | NR: Not be Returned | | | | Vendor Doc. No.: DPIC9812-000-VD-1002-ME-DS-0084-D0 |
| | Date: 12.12.2021 | | Signature: A.AB | | |
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| | | | | | |
| D0 | 28.Nov..21 | R.Goudarzi | DR.A.Nejati | DR.A.Nejati | |
| REV | DATE ISSUE | PREPARED | CHECKED | APPROVED | |



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Pressure drop related to clean and dirty condition, efficiency and particle size which shall be added.

CHEMICAL INDUSTRY COMPANY
DENSITY POLYETHYLENE PROJECT
E-DS-0084
ER DRYER



POJ: IFA
No.: D0

Contract No.: DPIC/98-12

To be filled.

| | | | | | | | |
|----|------------------------------------|-------------------------|------------|----------------|--|---------------|----------------|
| 1 | SERVICE | PROPYLENE FILTER/ DRYER | | | ITEM NO. | F-PK6101-2 | |
| 2 | TYPE | HORIZONTAL | | | QUANTITY : | 1 | |
| 3 | SHELL ID : | 4" -SCH 40 | TL.TL. : | please specify | CAPACITY | SHELL : | m ³ |
| 4 | JACKET ID : | - | TL.TL. : | - | mm | JACKET : | m ³ |
| 5 | WEIGHT | EMPTY: | OPERATING: | | kg | INSTALLATION: | OUTDOOR |
| 6 | DESIGN & TEST DATA | | | | MATERIALS | | |
| 7 | SHELL | | | | SHELL | | |
| 8 | ASME SECT.VIII (NC) | | | | SA 333 GR.6 | | |
| 9 | FLUID | PROPYLENE | | | A420 WPL6 | | |
| 10 | TEMPERATURE | DESIGN | -45/120 | °C | please specify ASTM no. | | |
| 11 | | OPERATING | 48.5 | °C | SA 333 GR.6 | | |
| 12 | PRESSURE | DESIGN | 23.0 | BarG | SA 350 LF2 CL.1 | | |
| 13 | | OPERATING | 18.6 | BarG | S.S. 304 | | |
| 14 | | VACUUM | 1.013 | BarG | | | |
| 15 | DENSITY @PT | 461 | | | kg/m ³ | | |
| 16 | VISCOSITY @PT | 0.06 | | | cP | | |
| 17 | CORROSION ALLOW. | 3.0 | | | mm | | |
| 18 | VAC DESIGN | NO | | | | | |
| 19 | TEST | yes | 34.5 | BarG | | | |
| 20 | TEST | PNUEM LEAK | - | BarG | CASK | GIRTH FLG | - |
| 21 | | VACUUM | - | BarG | | INT | - |
| 22 | POST WELD HEAT TREAT | | | | LEG/PADS | | |
| 23 | RADIOGRAPHIC EXAM. (CYL/HD) | FULL | | | CLIPS/PADS | | |
| 24 | JOINT EFF (CYL/HD) | 1.0 | | | ANCHOR BOLT | | |
| 25 | WELDER'S QUALIF | | | | LIFTING LUG/PAD | | |
| 26 | SEISMIC COEF | N/A | | | BLIND FLANGE | | |
| 27 | WIND LOAD | N/A | | | A516 GR.70 | | |
| 28 | TYPE OF HEAD | CAP / FLAT | | | | | |
| 29 | INSULATION (THK,AREA) | NO | | | mm | | |
| 30 | SURFACE PREP EXT/INT | ST3/ - | | | REMARKS: 1- FILTER SHUL BE FILLED WITH MOLECLAR SIEVE FOR DRYING PROPYLENE. | | |
| 31 | FIRE PROOFING | N/A | | | | | |
| 32 | PAINTING | AS PER PROJECT SPEC. | | | | | |
| 33 | | | | | | | |
| 34 | ACCESS. & SPL PARTS | COALESCER: 2 STAGES | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | SPARE PARTS | | | | | | |
| 38 | TOLERANCE | | | | | | |
| 39 | NOZZELS & OPENINGS (per one shell) | | | | | | |
| 40 | MARK | NO. | SIZE | FLANGE | | | SERVICE |
| 41 | | | | RATING | TYPE | FACE | |
| 42 | A | 1 | 1" | ASME 300# | WN | RF | INLET |
| 43 | B | 1 | 1" | ASME 300# | WN | RF | OUTLET |
| 44 | M | 1 | OD: 150 mm | - | - | - | COVEER |
| 45 | SKETCH | | | | | | |

Design temperature shall be saturate temperature corresponding to design pressure which is equal to 125C+10C. Please recheck.

propylene

yes

please specify ASTM no.

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