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|  | DEHDASHT PETROCHEMICAL INDUSTRY COMPANY DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT |  |
| | DOCUMENT TITLE: Propylene Filter Dryer Data Sheet | POI: IFA |
| Contract No.: DPIC/98-12 | DOCUMENT NUMBER: DPIC9812-000-VD-1002-ME-DS-0084 | Rev. No.: D1 |

DOCUMENT TITLE:

**Propylene Filter Dryer Data Sheet
(F-PK6101-2)**

| | | | | | |
|--|--|-----------------|----------------|-----------------|---|
| 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-D1 |
| Date: XX.XX.XX Signature: | | | | | |
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| | | | | | |
| D1 | 18.Dec..21 | R.Goudarzi | DR.A.Nejati | DR.A.Nejati | |
| D0 | 28.Nov..21 | R.Goudarzi | DR.A.Nejati | DR.A.Nejati | |
| REV | DATE ISSUE | PREPARED | CHECKED | APPROVED | |



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DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT



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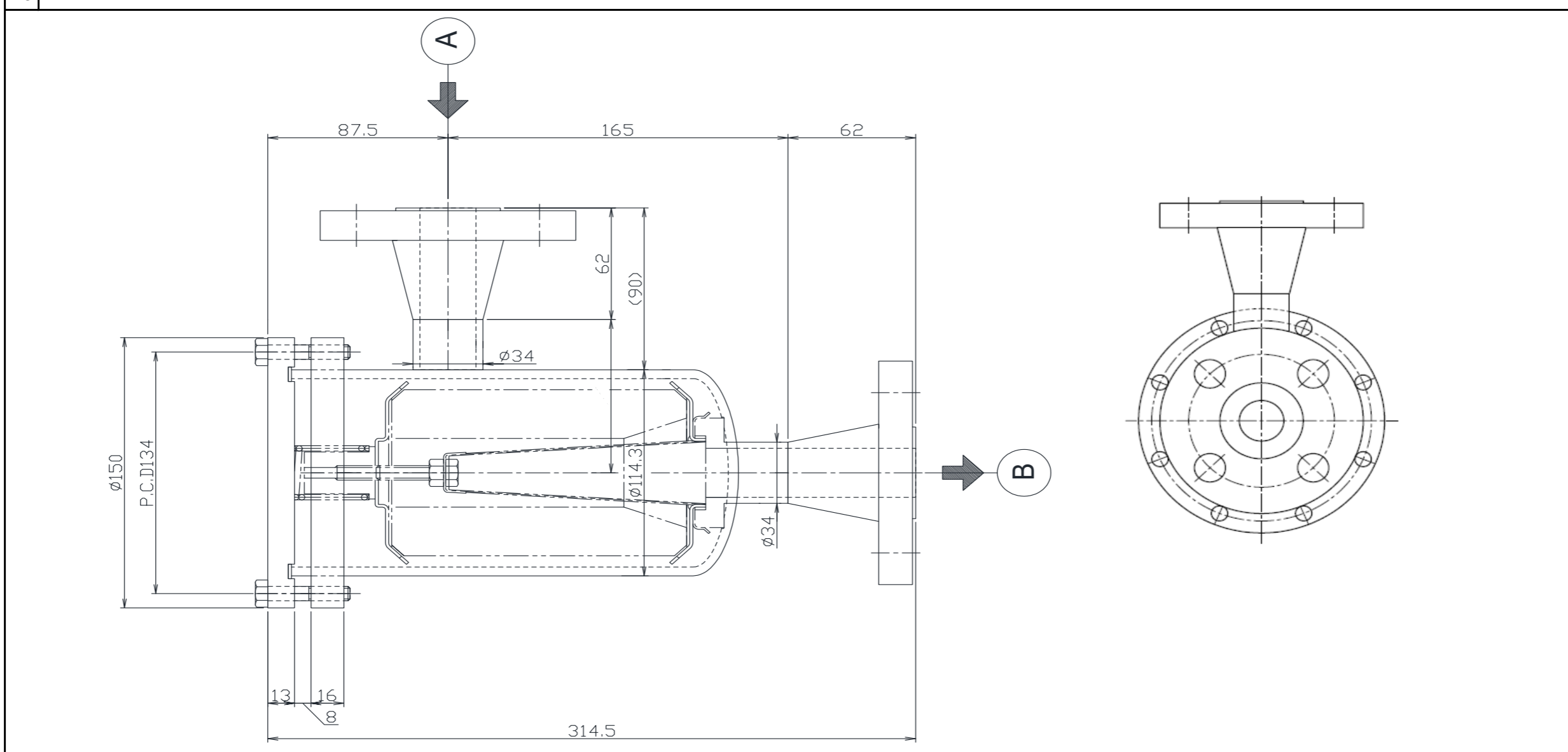
| Page | Rev-D0 | Rev-D1 | Rev-D2 | Rev-D3 | Rev-D4 |
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| 1 | x | x | | | |
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| Page | Rev-D0 | Rev-D1 | Rev-D2 | Rev-D3 | Rev-D4 |
|------|--------|--------|--------|--------|--------|
| 36 | | | | | |
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|   | DEHDASHT PETROCHEMICAL INDUSTRY COMPANY DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT |  شرکت صنایع پتروشیمی فارس Parsian Petrochemical Industries Co. PGPIC شرکت صنایع پتروشیمی دشت (سهای فارس) |
| | DOCUMENT TITLE: Propylene Filter Dryer Data Sheet | |
| Contract No.: DPIC/98-12 | DOCUMENT NUMBER: DPIC9812-000-VD-1002-ME-DS-0084 | Rev. No.: D1 |

| FILTER DRYER | | | | | | | | | |
|--------------|------------------------------------|---------------------------|-------------------|-----------|-------------------|----------------------------|--|---------------------|------|
| 1 | SERVICE | PROPYLENE FILTER/ DRYER | | | ITEM NO. | F-PK6101-2 | | | |
| 2 | TYPE | HORIZONTAL | | | QUANTITY : | 1 | | | |
| 3 | SHELL ID : | 4" -SCH 40 | TL.TL. : | 195 | mm | CAPACITY | | | |
| 4 | JACKET ID : | - | TL.TL. : | - | mm | SHELL : 1.6 m ³ | | | |
| 5 | WEIGHT | EMPTY: | OPERATING: | | kg | JACKET: - m ³ | | | |
| 6 | DESIGN & TEST DATA | | | MATERIALS | | | | | |
| 7 | | SHELL | JACKET | | | SHELL | JACKET | | |
| 8 | CODE & STD | ASME SECT.VIII (NO STAMP) | | | SHELL | SA 333 GR.6 | - | | |
| 9 | FLUID | PROPYLENE | | | CAP | A420 WPL6 | - | | |
| 10 | TEMPERATURE | DESIGN | -45/135 | °C | - | °C | GIRTH FLG | - | |
| 11 | | OPERATING | 48.5 | °C | - | °C | NOZZLE NECKS | SA 333 GR.6 | |
| 12 | PRESSURE | DESIGN | 23.0 | BarG | - | BarG | NOZZLE FLANGE | SA 350 LF2 CL.1 | |
| 13 | | OPERATING | 18.6 | BarG | - | BarG | INTERNALS | S.S. 304 | |
| 14 | | VACUUM | 1.013 | BarA | - | BarG | INT PIPES | - | |
| 15 | DENSITY @PT | 461 | kg/m ³ | - | kg/m ³ | BOLTS / NUTS | NZL FLG | - | |
| 16 | VISCOSITY @PT | 0.06 | cP | - | cP | | GIRTH FLG | - | |
| 17 | CORROSION ALLOW. | 3.0 | mm | - | mm | | INT | - | |
| 18 | VAC DESIGN | NO | - | - | - | | EXT | A193Gr.B7/A194Gr.2H | |
| 19 | TEST | HYDRO | 34.5 | BarG | - | BarG | GASKET | NZL FLG | PTFE |
| 20 | | PNUEM LEAK | - | BarG | - | BarG | | GIRTH FLG | - |
| 21 | | VACUUM | 0.02 | BarG | - | - | | INT | - |
| 22 | POST WELD HEAT TREAT | AS PER CODE | | | - | - | 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 | A516 GR.70 | |
| 27 | WIND LOAD | N/A | | | - | - | | | |
| 28 | TYPE OF HEAD | CAP / FLAT | | | - | - | | | |
| 29 | INSULATION (THK,AREA) | NO | - | - | mm | REMARKS: | | | |
| 30 | SURFACE PREP EXT/INT | ST3/ - | | | - | - | 1- FILTER SHOUL BE FILLED WITH MOLECLAR SIEVE FOR DRYING PROPYLENE. | | |
| 31 | FIRE PROOFING | N/A | | | - | - | 2- THE FILTER IS NOT DESIGNED FOR CATCHING DIRT BUT IS AS ALREADY INDICATED MOLECULAR SIEVE. FOR THIS REASON NO PRESSURE DROP IS TO BE CONSIDER. | | |
| 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 | RATING | TYPE | FACE | SERVICE | | |
| 41 | | | | | | | | | |
| 42 | A | 1 | 1" | ASME 300# | WN | RF | INLET | | |
| 43 | B | 1 | 1" | ASME 300# | WN | RF | OUTLET | | |
| 44 | M | 1 | OD: 150 mm | - | - | - | COVER | | |
| 45 | SKETCH | | | | | | | | |



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