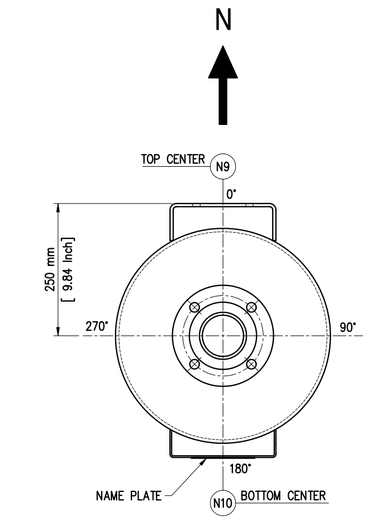
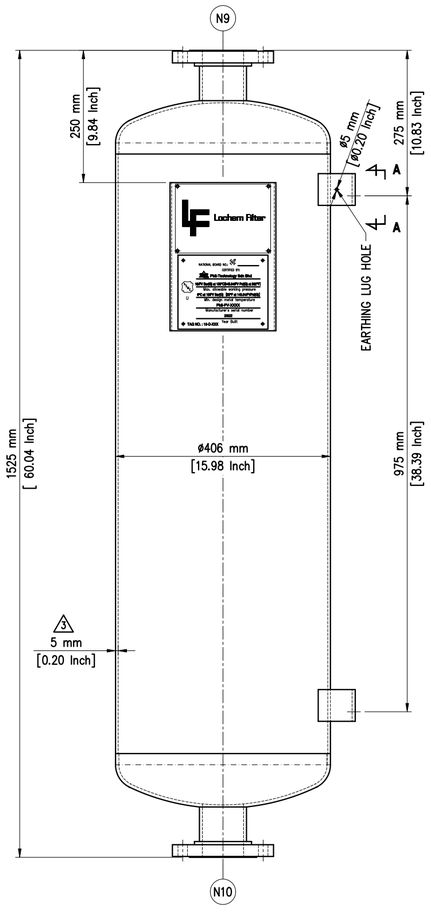
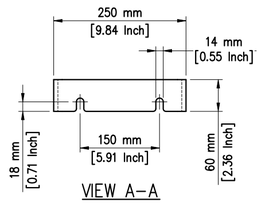
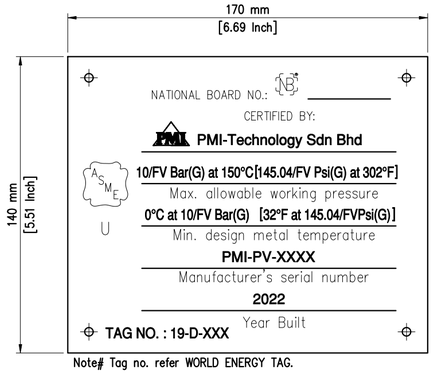



| DESMET TAG. | WORLD ENERGY TAG. ⚠1 |
|---|---|
| ⚠2 667/16B.1 | 19-D-774 |
| ⚠2 667/16B.1 | 19-D-874 |




VIEW A–A




Note# Tag no. refer WORLD ENERGY TAG.

NAME PLATE DETAIL ⚠1

| NAME PLATE TAGS. |
|---|
| 19-D-774 |
| 19-D-874 |

## NOZZLE DATA: ⚠1 ⚠1

| MARK. | SIZE | RATING | TYPE | FLG. MAT'L | NBR. | SERVICE | REMARKS |
|---|---|---|---|---|---|---|---|
| N9 | 3" | ASME B16.5 CL.150 | SORF | SA182 F304 | 1 | INLET/N2 | – |
| N10 | 3" | ASME B16.5 CL.150 | SORF | SA182 F304 | 1 | OUTLET/N2 | – |

## GENERAL DATA:

| | | | | | | |
|---|---|---|---|---|---|---|
| DESIGN ACC. | : ASME CODE SECTION VIII DIV.1 2019 EDITION (U-STAMP) | | | | | |
| INSPECTION BY | : ABSG | | | | | |
| DESIGN PRESSURE | : -1.03/10.0 Bar(G) | | | [ -14.5/145.04 Psi(G) ] | | |
| DESIGN TEMPERATURE | : 0/150 °C | | | [ 302 °F ] | | |
| TEST PRESSURE | : 13.8 ⚠3 Bar(G) | | | ⚠3 [ 200.15 Psi(G) Hydr.] | | |
| M.A.W.P. | : 10.0 | Bar(G) at 150 °C | | [ 145.04 | Psi(G) at 302 °F ] | |
| M.A.E.W.P. | : 1.0 | Bar(G) at 150 °C | | [ 14.5 | Psi(G) at 302 °F ] | |
| M.D.M.T. | : 0 | °C at -1.0/10.0 Bar(G) | | [ 32 | °F at -14.5/145.04 Psi(G)] | |
| FILTER VOLUME | : 150 | Ltr | | [ 39.63 | Gal ] | |
| CORR. ALLOW. | : 0 | mm | | [ 0 | In ] | |
| INSULATION SURFACE | : – | $m^2$ | | [ – | $ft^2$ ] | |
| WEIGHT FULL (WATER) | : 240 | Kg | | [ 529.1 | lb ] | |
| EMPTY | : 90 | Kg | | [ 198.42 | lb ] | |
| MATERIAL SHELL | : SA240 304 | | ACC. : ASME | | | |
| RADIOGRAPHY | : NONE | | WELD EFF. : 0.7 (CATEGORY A) ⚠3 | | | |
| MEDIUM | : AIR / N2 | | 0.6 (CATEGORY B) ⚠3 | | | |
| HEAT TREATMENT | : NONE | | | | | |
| MISALIGNMENTS | : AS PER UW 33 | | | | | |
| OUT OF ROUNDNESS | : MAX. AS PER UG 80 | | | | | |
| PWHT | : N/A | | | | | |
| LETHAL SERVICE | : NO | | | | | |

⚠1 WIND
BASIC WIND SPEED
SOURCE : ASCE7-16, LATEST EDITION (WIND HAZARD MAPS)
BASIC WIND SPEED : 162.5 kph [ 101 mph ]
EXPOSURE FACTOR : C
IMPORTANCE FACTOR : 1

⚠1 SEICMIC CONDITIONS
SEISMEC ZONE FACTOR
SOURCE : ASCE 7-16
SEISMIC DESIGN CATEGORY : D
SEISMIC SITE CLASS : D
IMPORTANCE FACTOR : 1.25
SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD, $S_{DS}$ : 1.077 g
SPECTRAL RESPONSE ACCELERATION ONE SECOND PERIOD, $S_{D1}$ : 0.664 g

SOIL PROFILE
SEISMIC DESIGN CATEGORY : D
SEISMIC SITE CLASS : D

SEISMIC IMPORTANCE FACTOR I : 1.25
SEISMIC IMPORTANCE FACTOR Ip : 1.25

SURFACE TREATMENT :
S.S. PARTS TO BE PICKLED & PASSIVATED

| ALLOWABLE NOZZLE LOADS ⚠1 | | | | | | |
|---|---|---|---|---|---|---|
| NOZZLE | $F_x$ | $F_y$ | $F_z$ | $M_x$ | $M_y$ | $M_z$ |
| N9 | 2.81 kN | | | 0.65 kNm | | |
| N10 | 2.81 kN | | | 0.65 kNm | | |

| LIST OF MATERIAL (LOM) ⚠1 | |
|---|---|
| PLATE | SA240 304 |
| PIPE | SA312 TP304 |
| NOZZLE FLANGE | SA182 F304 |

| PART NO. | QTY. | DESCRIPTION | MATERIAL | REMARKS | WEIGHT(KG) |
|---|---|---|---|---|---|
| 1 | 1 | BUFFERTANK 19-D-774 & 19-D-874 | Ref. LOM | 14240-BT-B | – |

APPROVAL STAMP:

ABS CONSULTING REVIEWED

This documents subject to any applicable comments noted in ABS Consulting Report / Letter

KL-GRP-DR-22-251

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| | DRAWN BY | CHECKED BY | APPROVED BY | SIZE | A2 |
|---|---|---|---|---|---|
| NAME | ADY | JASON | JASON | SCALE: | 1:8 |
| DATE | 05/05/2021 | 05/05/2021 | 05/05/2021 | | |

| | |
|---|---|
| TITLE/DESCRIPTION | LOCHEM FILTER |
| SUBJECT | PURGE TANK 19-D-774 & 19-D-874 ⚠2 |
| W/O NO.: | 14240 |
| O/C NO.: | 2021/123 |
| PROJECT NAME: | DESMET (WORPAR) |
| DRAWING NO.: | 14240-BT-A |
| REV. | 3 |

PMI-TECHNOLOGY SDN. BHD. (568062-K)

| REV. | DATE | DESCRIPTION | DRAWN BY | CHECKED BY | APPROVED BY |
|---|---|---|---|---|---|
| ⚠3 3 | 17/01/22 | REVISE AS SHOWN | ADY | JASON-17/01/22 | JASON-17/01/22 |
| ⚠2 2 | 04/10/21 | REVISE AS SHOWN | ADY | JASON-04/10/21 | JASON-04/10/21 |
| ⚠1 1 | 16/08/21 | REVISE AS SHOWN | ADY | JASON-16/08/21 | JASON-16/08/21 |

PROJECT NAME: WORPAR

WORLD ENERGY TAGS.
19-D-774 & 19-D-874