Aviation Ground Fuelling Solutions

Fuelling products

High & Low Point

HPL4231-HP, HPL4231-LP









Designed by Customers, for Customers

The **HPL4231-xx Sample Vent & Drain Assembly** provides a compact solution for the low-point draining and high-point venting requirements of aviation fuel hydrant systems.

Designed for direct installation on the **riser flange inside the hydrant pit box**, the unit combines a **6" ANSI B16.5 Class 300 raised-face stainless-steel flange** with **two 1½" (DN40) stainless-steel fire-safe ball valves**.

A flanged stainless-steel tank unit is integrated at the top of the assembly and features a poppet-mounted pressure relief valve set at **19 barg**.

The design supports routine high-velocity flushing of low points for the removal of accumulated water and sediment

Key Benefits

- Stainless Steel
- Fire Safe
- ATEX Certified
- 19 barg
- EI 1540 / EI 1584
- Integrated Vent & Drain
- Flexible Configuration
- SMART Ready

Additional Features

- Dip Pipe, DN40 / DN20 on request

Key Features

Technical Data

- 6" RF, ANSI B16.5 Class 300
- ¼" NPT threaded hole in 6" RF
- 2 × 1½" Ball Valves, CF3M, API 607
- 2" Tank Unit, NATO STANAG 3756
- Gaskets acc. EN 1514-1
- EI 1540, EI 1584
- Max. 19 barg
- ATEX certified

Design

- Stainless Steel
- Fire Safe, API 607
- Weight, approx. 50 kg
- Bleed Valves

Accessories

- Gaskets
- Dust Cap
- Screws
- Dip Pipe, DN40 / DN20 on request
- SMART

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Technical details

Description	HPL4231-xx	HPL4231-xx Opt-01	HPL4231-xx Opt-02	Remarks
1 ½" Dry Break Tank Unit with pressure relief / Bleed valve	✓	✓	✓	
1½" Ball Valves Firesafe ASME CL 150 RF	✓	✓	✓	
1½" Ball Valves Firesafe ASME CL 150 RF	✓	✓	✓	
6" Base Flange ASME Cl 300 RF	✓	✓	✓	
Pressure relief /Bleed valve – side	✓	✓	×	
Pressure relief /Bleed valve in base flange	×	✓	×	
Fully factory assembled	✓	✓	✓	
Low Point assembly with DIP Pipe [lengh 1000mm]	✓	✓	✓	
Flat sealing ring -Graphite 98% / spit sheet 1.4401according to ANSI B16.21 for flanges with smooth sealing strip (RF) according to ASME / ANSI B16.5 - 6 ", 300 lbs - Ø 251 x Ø 168 x 2 mm - (AD x ID x thickness) -with inner eyelet made of 1.4571 - General tolerance: DIN 7715 part 5 P2 Material: graphite / 1.4404	✓	✓	✓	
Stud Bold M20x80 - DIN 939 (1.25D) - Material: 1.4301	✓	✓	✓	
Nut M20 - DIN 934 - Material: 1.4301	✓	✓	✓	
Sleeve 21x37x3 - DIN 125 - Material 1.4301	✓	✓	✓	
Certificates Material 3.1	✓	✓	✓	
EI - 1584	✓	✓	✓	
EI - 1540	✓	✓	✓	
EI - 1542	✓	✓	✓	

Agenda	
Included	✓
On Demand	○
Not Included	×

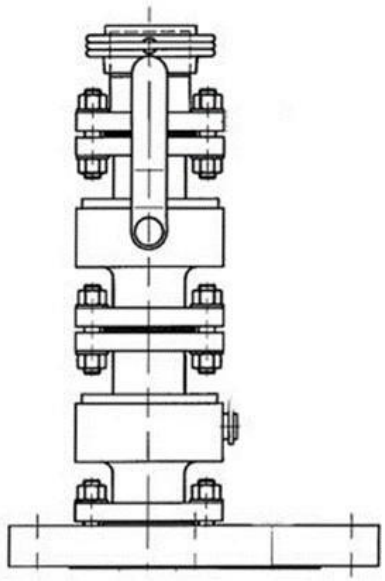
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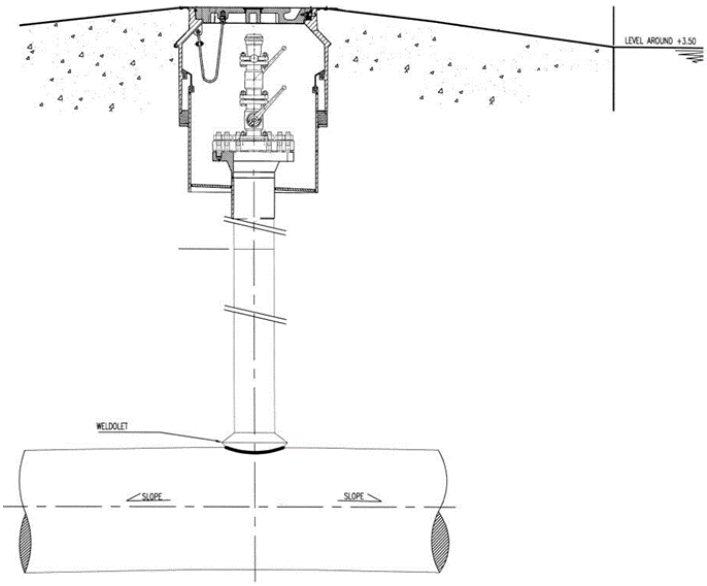
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Dimensions & Schematic view

High Point

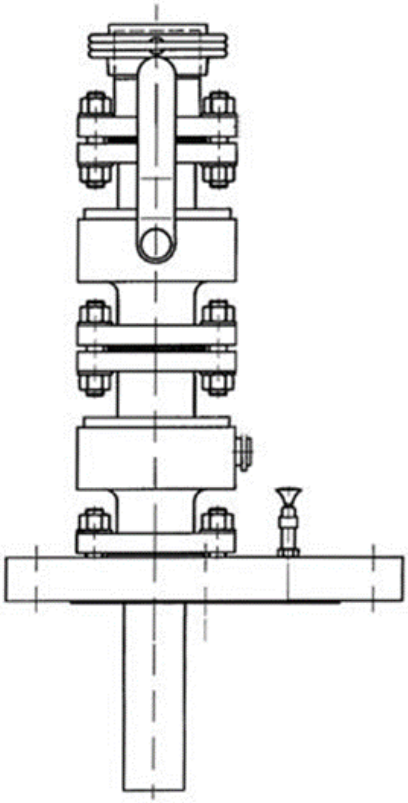
HPL4231-HP Assembly

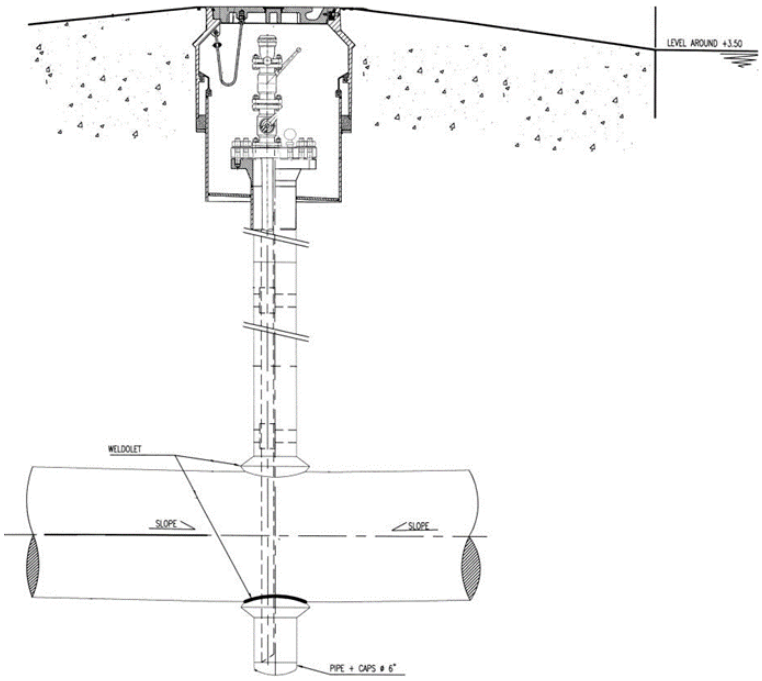




Low Point

HPL4231-LP Assembly





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Aviation Ground Fuelling Solutions

Accessories

- Bleed Valves
- DIP Pipe
- Dust Cup
- Gaskets
- Bolts and Nuts

Other hydrant pit products

- **Hydrant Pit Box**
  - HPB36xx
  - HPB43xx
  - HPB46xx
  -
- HPB52xx **Pit Lid [DIA]**
  - PL-18 [18“]
  - PL-20 [20“]
- **Pit Lid [Clear Opening]**
  - PL-18 [16”]
  - PL-20 [18”]
  - Rolling cover assembly
- **Shoulder Ring [Clear Opening]**
  - SR-18 [16”]
  - SR-20 [18”]
- **Accessory**
  - Flange Spacer Ring
  - HPB Elevation Ring
  - Integrated Pit Box Drainage
    - 1" Bottom Drain Connection for Central Drainage
- **Hydrant Pit Valves**
  - Hydrant Pit Valve
  - Hydrant Isolation Valve
- **SMART – ATEX certified**
  - 5G Network Connectivity
  - BLE Access Point
  - Real-Time Monitoring
    - Open/Closed Status Detection
    - Temperature Monitoring
    - Liquid Containment Detection
  - Direct from Riser Flange
    - Pressure Monitoring
    - Volume Monitoring

Distribution/Partners

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Note: specifications are subject to change without notice.