

Data Sheet for PROTEGO® Valves and Flame Arresters

Project-Data

| | |
|-------------------------------|-------------------|
| Quotation-No. | Order-No. |
| Project-No. | Project Reference |
| Valve/Flame Arrester Tag No.. | Tank/Vessel-No.. |

Storage Tank / Vessel

| | | | | | |
|--------------------------------------|-------------|------------------|-----------------------|-----------------------------|-----------------------------|
| <input type="checkbox"/> aboveground | diameter | m/ft | design pressure | mbarg / inch W.C.g | |
| <input type="checkbox"/> underground | height | m/ft | design vacuum | mbarg / inch W.C.g | |
| <input type="checkbox"/> insulated | wall height | m/ft | pumping-in-rate | m ³ /h cu ft/min | |
| ins. thickness | mm / inch | Blanketing level | m/ft | pumping-out-rate | m ³ /h cu ft/min |
| <input type="checkbox"/> inert gas | inert gas | blanketing level | tank design standard: | | |

Stored Product

Offgas/Vapour-Composition

| Components | | | Flashpoint °C / °F | CAS | MESG mm / inch | Ex.-Group |
|------------|---------|--------|-----------------------|-----|-------------------|-----------|
| Name | Formula | Vol. % | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Process Plant

| | | | | | |
|-----------------------|-------|--------------------|---------|---------------|------------------|
| design temperature | °C/°F | design pressure | bar/psi | | |
| operating temperature | °C/°F | operating pressure | bar/psi | back pressure | mbar / inch W.C. |

Installation

| | | | |
|--------------------------------------|-------------------------------------|--------------------------------|------|
| <input type="checkbox"/> in-line | <input type="checkbox"/> horizontal | distance to source of ignition | m/ft |
| <input type="checkbox"/> end-of-line | <input type="checkbox"/> vertical | | |

Function

| | | |
|---|---|--|
| <input type="checkbox"/> pressure | <input type="checkbox"/> endurance burning proof | <input type="checkbox"/> temperature monitored one side |
| <input type="checkbox"/> vacuum | <input type="checkbox"/> short-time burning proof | <input type="checkbox"/> temperature monitored both side |
| <input type="checkbox"/> pressure / vacuum combined | <input type="checkbox"/> deflagration proof | <input type="checkbox"/> pressure monitored |
| | <input type="checkbox"/> detonation proof | <input type="checkbox"/> bidirectional flame arrester |

Valve and Flame Arrester Data

| | | | | | |
|---------------------|---------------------|-----------------------------|---------|----------------------------|------|
| size nominal DN | flow \dot{V} | m ³ /h cu ft/min | density | kg/m ³ lb/cu ft | |
| pressure nominal PN | inlet flange | DN | PN | form | |
| set pressure | mbarg / inch W.C.g. | outlet flange | DN | PN | form |
| set vacuum | mbarg / inch W.C.g. | pressure drop Δp | | mbar/l _n W.C. | |

Material

| | | |
|-------------------------|-----------|--------|
| pressure carrying parts | internals | lining |
| | | |

Inspection/Documentation

| | | |
|----------------------|-------------------|-------------------------|
| material certificate | works certificate | performance certificate |
| | | |

Piping Flow Diagram (excerpt) / Additional Remarks / Miscellaneous → refer to separate sheet

[] Fill in , tick off, if applicable, delete unit, if not applicable

Signed:

Date:

Approved :

Released:



For safety and environment