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| **DATA SHEET** | | |
| **PRESSURE SAFETY VALVE (PSV)** | | |
| **ANNEXURE C-1** | | |
| **Sr#** | **DESCRIPTION** | **PSV** |
| 1 | SERVICE | HYDROCARBON |
| 2 | FULL NOZZLE / SEMI NOZZLE | As per SOR |
| 3 | SAFETY OR RELIEF | SAFETY – RELIEF |
| 4 | CONV. / BELLOWS / PILOT OP | As per SOR |
| 5 | BONNET TYPE | Closed |
| 6 | SIZE INLET | **1” to 4”** |
| 7 | Flange Rating | 150# to 2500# |
| 8 | Type of Facing | RTJ AND RF (As per SOR) |
| 9 | Body and Bonnet | As per SOR |
| 10 | Nozzle and Disc | As per SOR |
| 11 | Guide and Rings | As per SOR |
| 12 | Spring | Required |
| 13 | Lifting Gear-Type | Required |
| 14 | CAP. SCREWED OR BOLTED | As per SOR |
| 15 | TEST CONNECTION | Yes |
| 16 | MANUAL BLOWDOWN | Yes |
| 17 | BACK FLOW PREVENTER | As per SOR |
| 18 | CODE | ASME SEC VIII/ API RP-520-521 |
| 19 | LEAKAGE CODE | ANSI/ API 527 |
| 20 | SIZING BASIS | BLOCK DISCHARGE |
| 21 | FLUID | HYDROCARBN |
| 22 | FLUID STATE | As per Specific Requirement |
| 23 | COLD BENCH TEST PRESSURE | VTS |
| 24 | % ALLOWABLE OVERPRESSURE | As per SOR |
| 25 | OVER PRESSURE FACTOR | N/A |
| 26 | COMPRESSIBILITY FACTOR | A |
| 27 | FLOW MAX | - |
| 28 | RATIO OF SPECIFIC HEATS | As per SOR |
| 29 | BACK PRESSURE | Atmospheric |
| 30 | DISCHARGE COEF. C | VTS |
| 31 | CALC AREA SQ.IN | N/A |
| 32 | SELECTED AREA SQ.IN | As per SOR |
| 33 | ORIFICE DESIGNATION | E |
| 34 | MODEL NUMBER | VTS |
| Notes: | | |
| 1.Vendor to confirm the suitability of this model for the required service | | |
| 2.VTS-Vendor to specify or confirm | | |
| 3. Size range will be further optimized based on specific requirement. | | |
| 4. At the time of indent requisition based on specific requirement, specs will finalized. | | |