KLM Technology Group

Practical Engineering Guidelines for Processing Plant Solutions

PROJECT:

REV: 01

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EQUIPMENT:

LOCATION:

CLIENT:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| TAG NUMBER | | | | | | | | |
| Unit | | | | English | | Metric | | |
| SERVICE | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| FLOWSHEET NUMBER | | | | | | | | |
| LINE NUMBER | | | | | | | | |
| OPERATING CONDITION | FLUID | LIQ, VAPOR, GAS | | | | | | |
| | PRESSURE | NORMAL | MAX | lb/in$^2$g | lb/in$^2$g | kg/cm$^2$g | kg/cm$^2$g | |
| | TEMPERATURE | NORMAL | MAX | $^o$F | $^o$F | $^o$C | $^o$C | |
| | DENSITY | MOL.WT | | lb/ft$^3$ | | kg/cm$^3$ | | |
| | VISCOSITY | CP/CV | | cP | | cP | | |
| | SUPERCOMPRESS FACTOR | - | | | | | | |
| | LAT. HEATOF VAPORIZATION | KJ/KG | | | | | | |
| DESIGN BASIS | BACK PRESS | VARIES FROM | TO | | | | | |
| | | CONSTANT | | | | | | |
| | MAWP | MAWT, C | | lb/in$^2$g | | kg/cm$^2$g | | |
| | CAUSE OF OVERPRESSURE | | | | | | | |
| | CAPACITY | REQ'D | MAX | lb/hr | | kg/hr | | |
| | ACCUMULATION | | | | | | | |
| | SET PRESSURE | | | | lb/in$^2$g | | kg/cm$^2$g | |
| RELIEVING CONDITION | PRESSURE @ RELIEVING COND | | | | lb/in$^2$ | | kg/cm$^2$ | |
| | TEMP @ RELIEVING COND | | | | $^o$F | | $^o$C | |
| | WEIGHT% FLASHING | | | | | | | |
| | ORIFICE, | REQ'D | SELECT | in$^2$ | in$^2$ | mm$^2$ | mm$^2$ | |
| VALVE DESIGN | INLET SIZE & RATING | | | | in | | mm | |
| | OUTLET SIZE & RATING | | | | in | | mm | |
| | FLANGE FACING | IN | OUT | | | | | |
| | MATERIAL | BODY | BONNET | | | | | |
| | | NOZZLE | DISC | | | | | |
| | | SPRING | GUIDES | | | | | |
| | BELLOWS MATERIAL | | | | | | | |
| | MIN. RESEATING PRESSURE | | | | | | | |
| | SEAT TIGHTNESS (API) | | | | | | | |
| ACCESS | LEVER PLAIN/ PACKED/ OPEN | | | | | | | |
| | CAP | GAG | | | | | | |
| | CODE STAMP | | | | | | | |
| | PILOT VALVE | | | | | | | |
| | SENSING PICK UP LOCATION | | | | | | | |
| SELECT BASIS | CODE | | | | | | | |
| | FIRE | | | | | | | |
| | OTHER | | | | | | | |
| | ATM PRESS | | | | | | | |
| NOTES | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| MANUFACTURER | | | | | | | | |
| MODEL NUMBER | | | | | | | | |

REMARKS:

| | |
|---|---|
| DATE: | |
| PREPARED: | |
| REVIEWED: | |