

| TAG 2-PCV-168  |  | SERVICE 2-H-01 PILOT GAS   |   |              |        |   |  |     |  |    |  |      |  |         |         |                 |       |       |  |        |        |  |        |        |  |       |  |  |       |  |  |                     |                    |
|--|--|--|---|--------------|--------|---|--|-----|--|----|--|------|--|---------|---------|-----------------|-------|-------|--|--------|--------|--|--------|--------|--|-------|--|--|-------|--|--|---------------------|--------------------|
| <b>BODY</b><br>VALVE TYPE _____<br>BODY SIZE _____<br>PORT SIZE _____<br>RATING _____<br>END CONNECTIONS _____<br>BODY MATERIAL _____<br>BONNET _____<br>PACKING _____<br>LUBRICATOR _____<br><br><b>TRIM</b><br>PLUG _____<br>CHARACTERISTIC _____<br>SEALING SEAT-PLUG _____<br>SEAT TIGHTNESS _____<br>TRIM MATERIAL _____<br><br><b>ACTUATOR</b><br>MAX. SHUT OFF DP. _____<br>FLOW ACTION TO _____<br>ON POWER FAILURE _____<br>SIGNAL TO ACTUATOR _____<br>POSITIONER _____<br>INPUT SIGNAL _____<br>AIR SUPPLY PRESSURE _____<br><br><b>ACCESSORIES</b><br>HANDWHEEL _____<br>JACKET _____<br>LIMIT SWITCH _____<br>OTHERS _____<br><br>AMBIENT TEMPERATURE _____ | <b>SELF OPERATED DOWNSTREAM PRESS.REGULATOR</b><br>1 IN<br><b>REDUCED 3/8"</b><br>300 ANSI<br><b>FLANGED (RF-125 AARH) AS PER ANSI B16.5</b><br><b>A 216 WCC</b><br><b>STD MFR</b><br><b>NOTE 2</b><br><br><b>STD MFR</b><br><b>STD MFR</b><br><b>METAL TO METAL</b><br><b>CLASS IV (AS PER ANSI B16.104)</b><br><b>NOTE 2</b><br><br>600 KPA<br><br><br>MIN. 450 MAX. 550 KPA(GA)<br><br><br>MIN. -30 MAX. 40 C | <b>LINE DATA</b><br>LINE SPEC. NO _____<br>NOM. LINE SIZE _____ IN<br>PIPE THICKNESS _____ MM<br><b>PROCESS DATA (RUN N. 00 )</b><br>FLUID TYPE _____<br>TEMPERATURE _____ C<br>DENSITY 2. COND. _____ KG/M3<br><br>VAPOR PRESSURE _____ KPA(ABS)<br>CRITICAL PRESS. _____ KPA(ABS)<br>VISCOSITY _____ CPOISE<br>MOLECULAR WEIGHT _____<br>COMPRESS. FACTOR _____<br>% GAS INTO BIPHASE _____<br><br><b>FLUID DESCRIPTION _____ FUEL GAS</b><br><b>SPECIAL SERVICES _____</b><br><br>FLOW _____ KG/H<br>INLET PRESSURE _____ KPA(ABS)<br>OUTLET PRESSURE _____ KPA(ABS)<br><b>CALCULATED DATA (")</b><br>FLOW CONDITION _____<br>VELOCITY _____ M/S<br>MACH NUMBER _____<br><br>EXT. TOT. PREDICTED NOISE _____ DBA<br>% VALVE OPENING _____<br>CV CALCULATED _____<br><br>CF. _____ .90 CFR _____ R. _____<br>CV OVERSIZED _____<br>CV SELECTED _____ 1.2 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: center;">INLET<br/>13C</th> <th style="text-align: center;">OUTLET</th> </tr> <tr> <td style="text-align: center;">1</td> <td></td> </tr> <tr> <td style="text-align: center;">GAS</td> <td></td> </tr> <tr> <td style="text-align: center;">20</td> <td></td> </tr> <tr> <td style="text-align: center;">16.1</td> <td></td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: center;">MAXIMUM</th> <th style="text-align: center;">MINIMUM</th> <th style="text-align: center;">MAX. UNCONT.(1)</th> </tr> <tr> <td style="text-align: center;">43.38</td> <td style="text-align: center;">30.74</td> <td></td> </tr> <tr> <td style="text-align: center;">701.32</td> <td style="text-align: center;">701.32</td> <td></td> </tr> <tr> <td style="text-align: center;">170.32</td> <td style="text-align: center;">170.32</td> <td></td> </tr> <tr> <td style="text-align: center;">72.30</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">0.451</td> <td></td> <td></td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">OVERS. FACTOR _____</td> </tr> <tr> <td style="text-align: center;">RANGEABILITY _____</td> </tr> </table> | INLET<br>13C | OUTLET | 1 |  | GAS |  | 20 |  | 16.1 |  | MAXIMUM | MINIMUM | MAX. UNCONT.(1) | 43.38 | 30.74 |  | 701.32 | 701.32 |  | 170.32 | 170.32 |  | 72.30 |  |  | 0.451 |  |  | OVERS. FACTOR _____ | RANGEABILITY _____ |
| INLET<br>13C   | OUTLET   |  |   |              |        |   |  |     |  |    |  |      |  |         |         |                 |       |       |  |        |        |  |        |        |  |       |  |  |       |  |  |                     |                    |
| 1  |  |  |   |              |        |   |  |     |  |    |  |      |  |         |         |                 |       |       |  |        |        |  |        |        |  |       |  |  |       |  |  |                     |                    |
| GAS  |  |  |   |              |        |   |  |     |  |    |  |      |  |         |         |                 |       |       |  |        |        |  |        |        |  |       |  |  |       |  |  |                     |                    |
| 20   |  |  |   |              |        |   |  |     |  |    |  |      |  |         |         |                 |       |       |  |        |        |  |        |        |  |       |  |  |       |  |  |                     |                    |
| 16.1   |  |  |   |              |        |   |  |     |  |    |  |      |  |         |         |                 |       |       |  |        |        |  |        |        |  |       |  |  |       |  |  |                     |                    |
| MAXIMUM  | MINIMUM  | MAX. UNCONT.(1)  |   |              |        |   |  |     |  |    |  |      |  |         |         |                 |       |       |  |        |        |  |        |        |  |       |  |  |       |  |  |                     |                    |
| 43.38  | 30.74  |  |   |              |        |   |  |     |  |    |  |      |  |         |         |                 |       |       |  |        |        |  |        |        |  |       |  |  |       |  |  |                     |                    |
| 701.32   | 701.32   |  |   |              |        |   |  |     |  |    |  |      |  |         |         |                 |       |       |  |        |        |  |        |        |  |       |  |  |       |  |  |                     |                    |
| 170.32   | 170.32   |  |   |              |        |   |  |     |  |    |  |      |  |         |         |                 |       |       |  |        |        |  |        |        |  |       |  |  |       |  |  |                     |                    |
| 72.30  |  |  |   |              |        |   |  |     |  |    |  |      |  |         |         |                 |       |       |  |        |        |  |        |        |  |       |  |  |       |  |  |                     |                    |
| 0.451  |  |  |   |              |        |   |  |     |  |    |  |      |  |         |         |                 |       |       |  |        |        |  |        |        |  |       |  |  |       |  |  |                     |                    |
| OVERS. FACTOR _____  |  |  |   |              |        |   |  |     |  |    |  |      |  |         |         |                 |       |       |  |        |        |  |        |        |  |       |  |  |       |  |  |                     |                    |
| RANGEABILITY _____   |  |  |   |              |        |   |  |     |  |    |  |      |  |         |         |                 |       |       |  |        |        |  |        |        |  |       |  |  |       |  |  |                     |                    |
| MODEL _____ 40 C   |  | MFR. SUPPLIER- <b>MASONEILAN</b>   | <b>MASONEILAN</b><br>QUANTITY _____ 1<br>ORDER NO _____ A.S.E. 2/96   |              |        |   |  |     |  |    |  |      |  |         |         |                 |       |       |  |        |        |  |        |        |  |       |  |  |       |  |  |                     |                    |
| <b>REMARKS</b> - (1) VALUES NOT CONSIDERED FOR VALVE SIZING<br>- (2) TRIM AND PACKING AS PER UOP STD 6-14, SECTION V.C., TYPE "A"<br>- (3) VENDOR TO PROVIDE A MASONEILAN TYPE 40-C (OR EQUAL) PRESSURE REDUCING REGULATOR WITH STAINLESS STEEL DIAPHRAGM AND 2 TO 15 PSIG SPRING SET AT 10 PSIG (69 KPA(GA)).<br><br><div style="text-align: right;">(*) ACCORDING TO MASONEILAN HANDBOOK FOR CONTROL VALVE SIZING</div>  |  |  |   |              |        |   |  |     |  |    |  |      |  |         |         |                 |       |       |  |        |        |  |        |        |  |       |  |  |       |  |  |                     |                    |