



| symbol | description  | quantity |
|--------|--|----------|
|        | hand ball valve N.C. DN <25  | 8        |
|        | hand ball valve N.O. DN <25  | 10       |
| CB     | booster  | 1        |
| CW     | W compressor _ bores 125 - 80 - 50   | 1        |
| CV     | check valve  | 5        |
| F1     | inlet filter DN80 (flanged) PS=16 bar, 25 micron   | 1        |
| F2     | outlet filter , DN20, PS=350 bar, 1 micron   | 2        |
| HE1    | coaxial pipes heat exchanger: ext pipe 35 mm (PN160) for H2O and int pipe 20 mm (PN320) for CH4                    | 1        |
| PG1    | 1/4\" pressure gauge 25bar   | 1        |
| PG3    | 1/4\" pressure gauge 400 bar   | 3        |
| PR1    | pressure reducer 250-220 bar   | 1        |
| PS1    | calibrated pressure switch 230 bar   | 2        |
| PS2    | calibrated pressure switch 260 bar   | 1        |
| PT1    | pressure transducer : range 0-250bar   | 2        |
| PV1    | carbon steel ball valve with spring return pneumatic actuator, normally closed, 2 ways, Split Wafer, DN80 PN16 bar | 1        |
| PV2    | carbon steel ball valve with double acting pneumatic actuator, 2 ways, Split Wafer ,DN80 PN 16 bar                 | 1        |
| PV3    | carbon steel ball valve with double acting pneumatic actuator, 2 ways, DN20 PN 315 bar                             | 1        |
| PV4    | carbon steel ball valve with spring return pneumatic actuator, normally closed, 2 ways, DN20 PN315 bar             | 2        |
| ST1    | medium pressure storage tanks (200 bar) PS=275 bar   | 1        |
| ST2    | high pressure storage tanks (250 bar) PS=275 bar   | 1        |
| SV0    | safety valve calibrated 15 bar, inlet DN 20, discharge DN25  | 1        |
| SV1    | I stage safety valve calibrated 35 bar, inlet DN 20, discharge DN25  | 1        |
| SV2    | II stage safety valve calibrated 90 bar, inlet DN20, discharge DN25  | 1        |
| SV3    | III stage and MP safety valve calibrated 242 bar, inlet DN20, discharge DN 25                                      | 3        |
| SV4    | HP safety valve calibrated 275 bar, inlet DN20, discharge DN25   | 2        |
| SVF    | inlet hand ball valve Split Wafer DN80,PN25  | 1        |

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|                     |  |                 |           |                             |       |
|---------------------|--|-----------------|-----------|-----------------------------|-------|
| Disegno n°:         | REV.   | DATA            | MODIFICHE |                             | FIRMA |
| Item n°:            | Titolo/Title: <b>P&amp;I compression station</b> |                 |           |                             |       |
| Scala/ scale:       | Commessa/Job : <b>W160-009</b>                   |                 |           |                             |       |
| Formato : <b>A3</b> | Disegnatore :                                    | Data :          | Firma :   | Sostituisce il/ Replaces:   |       |
|                     | <b>M.Sartirano</b>                               | <b>15/09/06</b> |           |                             |       |
|                     | Verificatore :                                   | Data :          | Firma :   | Sostituito da/ Replaced by: |       |
|                     | <b>M.Galletta</b>                                | <b>21/09/06</b> |           |                             |       |
|                     | Approvatore :                                    | Data :          | Firma :   | Tavola/Sheet: <b>1/1</b>    |       |
|                     | <b>P.Abellonio</b>                               | <b>21/09/06</b> |           |                             |       |

PRELIMINARY

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