
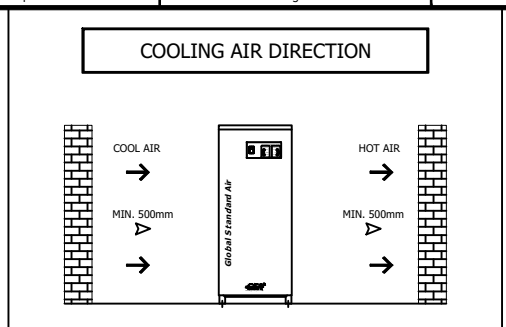
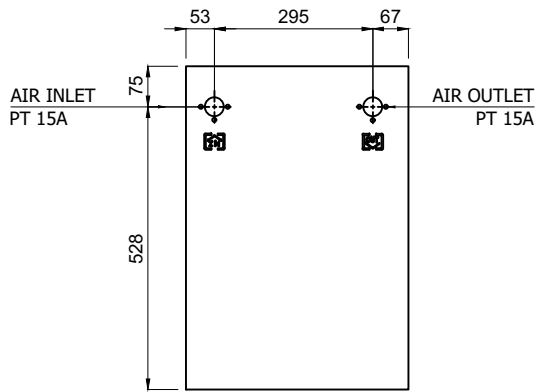
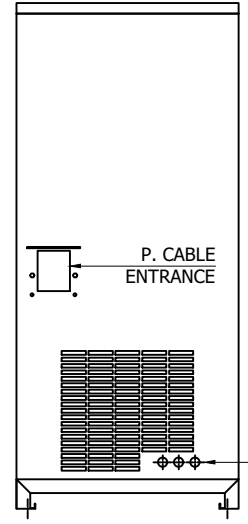
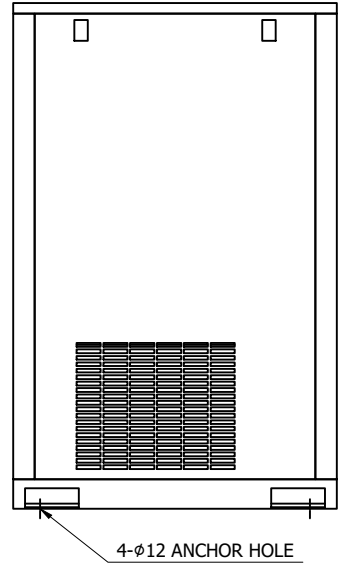
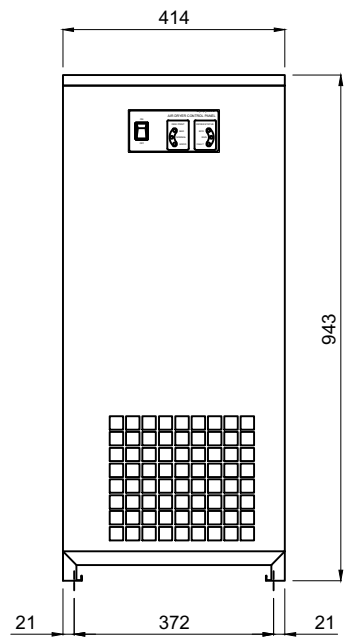
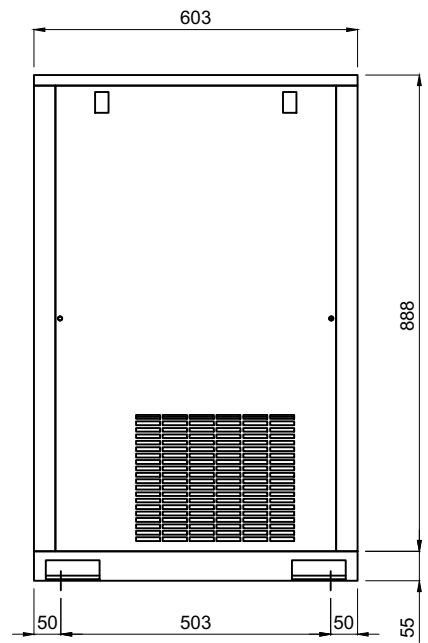



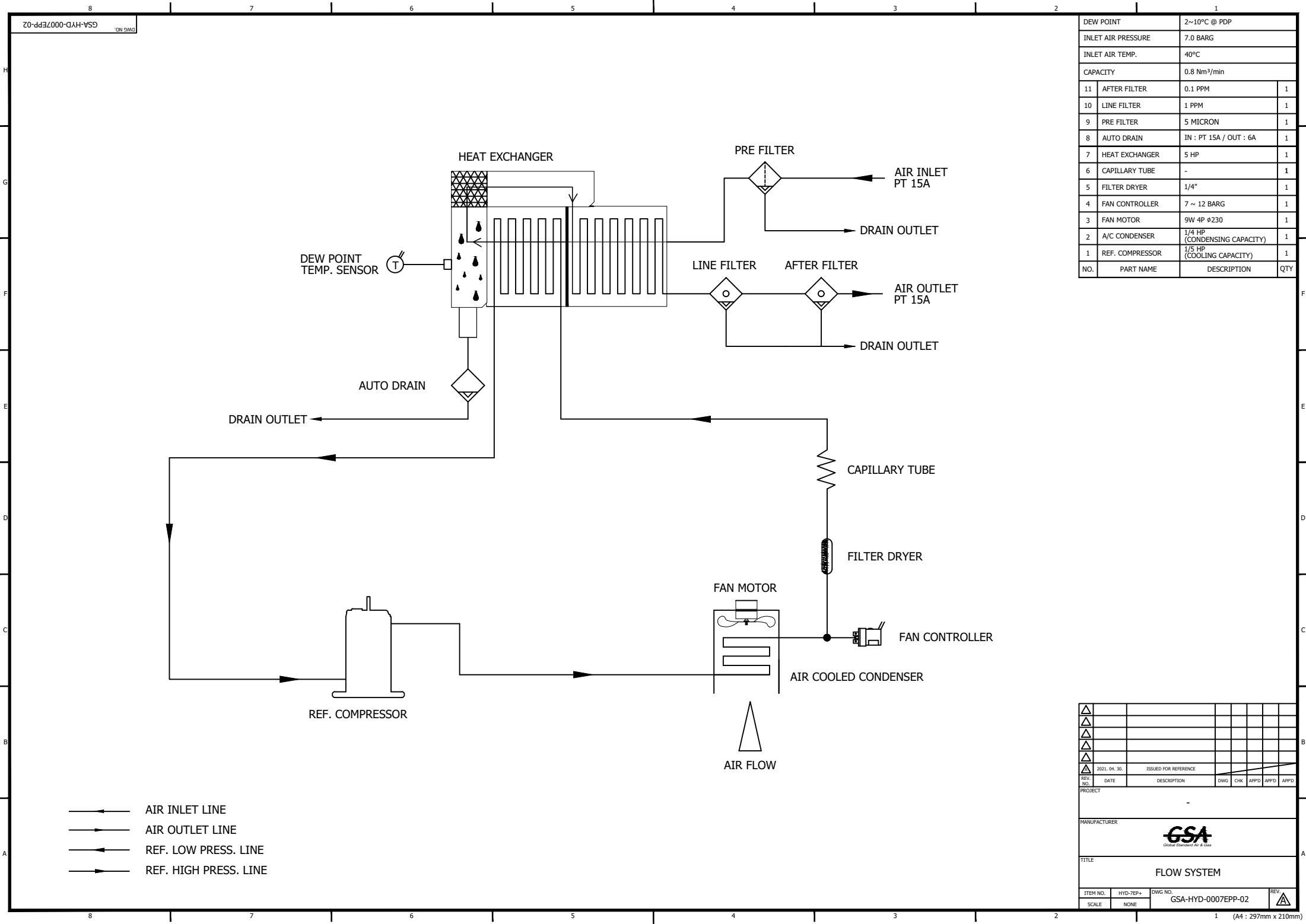
|   |                          |                         |                               |                 |                      |            |             |
|---|--------------------------|-------------------------|-------------------------------|-----------------|----------------------|------------|-------------|
|  | Refrigerated Air Dryer   |                         | Rev.                          | Date            | Prepared By          | Checked By | Approved By |
|   |                          |                         | 1                             | 2021.04.27      | LEE.G                | JO.S.J.    | KIM.H.W.    |
|   | Eco Pro Plus             |                         | 2                             |                 |                      |            |             |
|   |                          |                         | 3                             |                 |                      |            |             |
| 4   |                          |                         |                               |                 |                      |            |             |
| Project Name  |                          | -                       | Model Name                    |                 | HYD-7EP*             |            |             |
| <b>SPECIFICATION</b>  |                          |                         |                               |                 |                      |            |             |
| 1   |                          |                         |                               |                 |                      |            |             |
| 2   | Supply Voltage           | 220V                    | Inlet Flow Rate               | 0.8             | Nm <sup>3</sup> /min |            |             |
| 3   | Phase                    | 1PH                     | Inlet Pressure                | 7               | barg                 |            |             |
| 4   | Frequency                | 60Hz                    | Inlet Temp.                   | 40              | °C                   |            |             |
| 5   | Control use              | 220V                    | Outlet Flow Rate              | 0.8             | Nm <sup>3</sup> /min |            |             |
| 6   | Fulid                    | Compressed Air          | Outlet Pressure               | 6.5             | barg                 |            |             |
| 7   | Location                 | Indoor                  | Outlet Temp.                  | 32±5            | °C                   |            |             |
| 8   | Design Code              | Maker STD.              | Pressure Drop (Element : Dry) | 0.5             | bar                  |            |             |
| 9   | Area Class               | Non-Hazardous           | Outlet Dew Point              | 2~10            | °C                   |            |             |
| 10  |                          |                         | Design Pressure               | 9.7             | barg                 |            |             |
| 11  |                          |                         | Design Temperature            | 60              | °C                   |            |             |
| 12  |                          |                         | Ambient Temperature           | 32              | °C                   |            |             |
| <b>CONSTRUCTION</b>   |                          |                         |                               |                 |                      |            |             |
| 13  |                          |                         |                               |                 |                      |            |             |
| 14  | Refrigerant              | R-134A                  | Dimension (W x L x H)         | 415 X 603 X 943 | mm                   |            |             |
| 15  | Ref. Compressor Type     | Recipro Hemertic        | Weight                        | 41              | kg                   |            |             |
| 16  | Ref. Compressor Capacity | 1/5 HP                  | Min. Power Consumption        | 0.15            | kW                   |            |             |
| 17  | Condenser Type           | Air Cooled              | Inlet Connection              | 15A             | PT Female Screw      |            |             |
| 18  | Condenser Fan Motor      | 9 W                     | Outlet Connection             | 15A             | PT Female Screw      |            |             |
| 19  |                          | 1 EA                    | Drain Connection              | 10A             | PT Female Screw      |            |             |
| 20  | Condenser Fan Size       | 230 mm                  | Color (Munsell)               | 5.7PB 4.1/9.9   |                      |            |             |
| 21  | Condenser Capacity       | 1/4 HP                  |                               | 5.7PB 2.9/3.5   |                      |            |             |
| 22  | Condenser Material       | Aluminum & Copper       |                               |                 |                      |            |             |
| 23  | Heat Exchanger Type      | Block                   |                               |                 |                      |            |             |
| 24  | Heat Exchanger Material  | Aluminum                |                               |                 |                      |            |             |
| 25  | Ref. Control Device      | Capillary Tube          |                               |                 |                      |            |             |
| 26  | ECO Mode Control         | Dew Point Temp. Control |                               |                 |                      |            |             |
| 27  | Drain Trap Type          | Auto Float              |                               |                 |                      |            |             |
| <b>STANDRAD FEATURES AND CONTROL</b>  |                          |                         |                               |                 |                      |            |             |
| 28  |                          |                         |                               |                 |                      |            |             |
| 29  | Fan Controller           | YES                     | Ref. Compressor               | YES             |                      |            |             |
| 30  | Ref. Liquid Filter Dryer | YES                     | Capillary Tube                | YES             |                      |            |             |
| 31  | Overload Relay           | NO                      | Hot Gas Bypass Valve          | NO              |                      |            |             |
| 32  | PCB Controller           | YES                     | Air Cooled Condenser          | YES             |                      |            |             |
| 33  | Fan Motor Test Button    | NO                      | Accumulator                   | NO              |                      |            |             |
| 34  | Air Pressure Gauge       | NO                      | Liquid Ref. Receiver          | NO              |                      |            |             |
| 35  | Ref. Pressure Gauge      | NO                      | Pre-filter                    | YES             |                      |            |             |
| 36  | High Pressure Switch     | NO                      | Line-filter                   | YES             |                      |            |             |
| 37  | Moisture Indicator       | NO                      | After-filter                  | YES             |                      |            |             |
| 38  | Drain                    | YES                     |                               |                 |                      |            |             |
| <b>NOTES</b>  |                          |                         |                               |                 |                      |            |             |
| 39  |                          |                         |                               |                 |                      |            |             |
| 40  |                          |                         |                               |                 |                      |            |             |
| 41  |                          |                         |                               |                 |                      |            |             |
| 42  |                          |                         |                               |                 |                      |            |             |
| 43  |                          |                         |                               |                 |                      |            |             |
| 44  |                          |                         |                               |                 |                      |            |             |
| 45  |                          |                         |                               |                 |                      |            |             |
| 46  |                          |                         |                               |                 |                      |            |             |



| SPECIFICATION          |                          |
|------------------------|--------------------------|
| INLET AIR TEMPERATURE  | 40°C                     |
| AMBIENT TEMPERATURE    | 32°C                     |
| INLET AIR PRESSURE     | 7 barg                   |
| CAPACITY               | 0.8 Nm <sup>3</sup> /min |
| IN/OUT CONNECTION      | PT 15A                   |
| DIMENSION(WXDXH, mm)   | 414 X 603 X 943          |
| WEIGHT                 | 41 kg                    |
| MIN. POWER CONSUMPTION | 0.15 kW                  |
| POWER SUPPLY           | 220V - 1PH - 60Hz        |




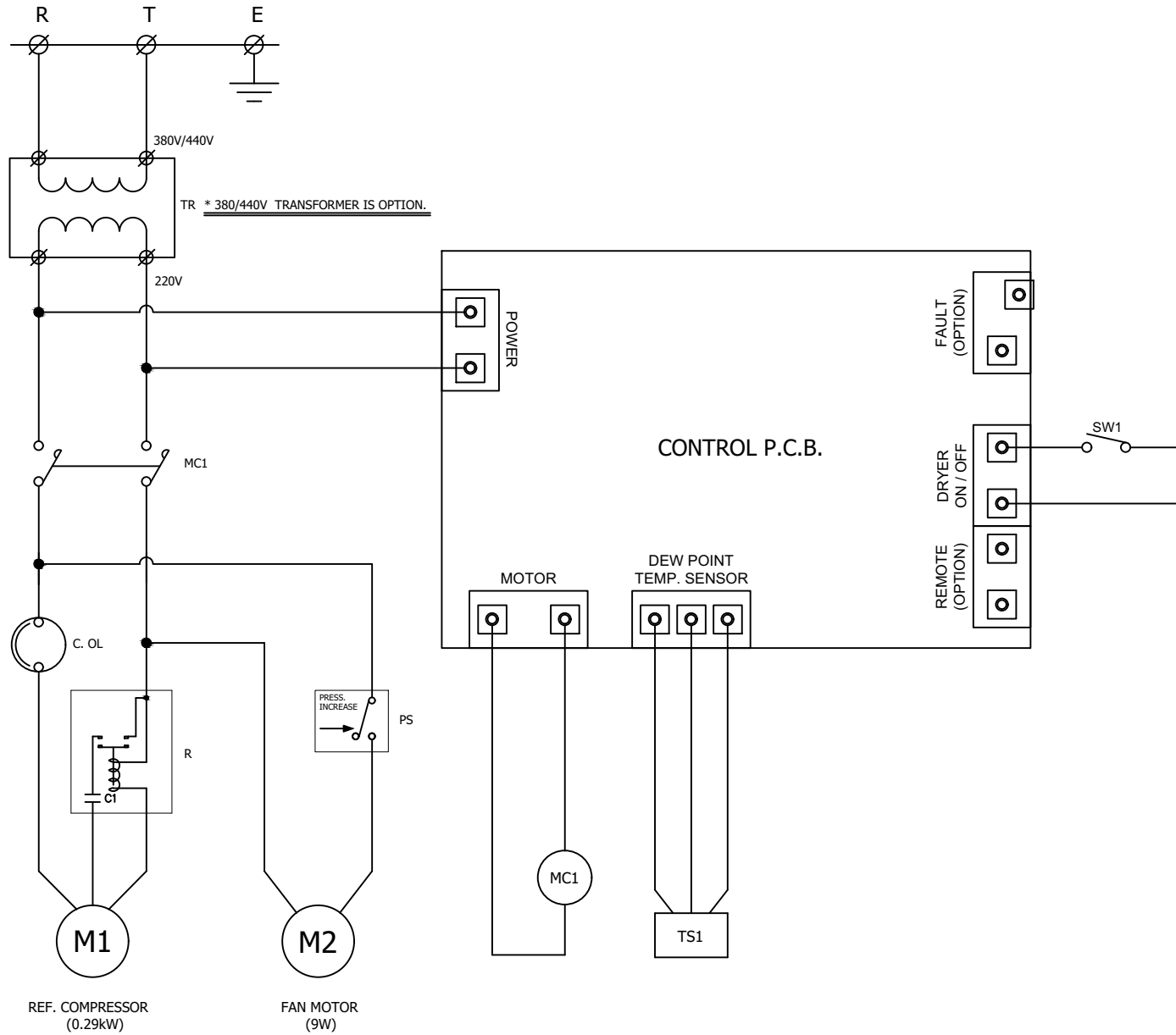
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| △  | 2021. 04. 30. | ISSUED FOR REFERENCE |                    |     |      |      |      |      |        |
| REV. NO.   | DATE          | DESCRIPTION          | DWG                | CHK | APPD | APPD | APPD | APPD | APPD   |
| PROJECT  |               |                      |                    |     |      |      |      |      |        |
| MANUFACTURER   |               |                      |                    |     |      |      |      |      |        |
| <br>Global Standard Air & Gas |               |                      |                    |     |      |      |      |      |        |
| TITLE  |               |                      |                    |     |      |      |      |      |        |
| OUTLINE DRAWING  |               |                      |                    |     |      |      |      |      |        |
| ITEM NO.   | HYD-7EP+      | DWG NO.              | GSA-HYD-0007EPP-01 |     |      |      |      |      |        |
| SCALE  | NONE          |                      |                    |     |      |      |      |      | REV. △ |




| DEW POINT          |                 | 2~10°C @ PDP                 |     |
|--------------------|-----------------|------------------------------|-----|
| INLET AIR PRESSURE |                 | 7.0 BARG                     |     |
| INLET AIR TEMP.    |                 | 40°C                         |     |
| CAPACITY           |                 | 0.8 Nm³/min                  |     |
| 11                 | AFTER FILTER    | 0.1 PPM                      | 1   |
| 10                 | LINE FILTER     | 1 PPM                        | 1   |
| 9                  | PRE FILTER      | 5 MICRON                     | 1   |
| 8                  | AUTO DRAIN      | IN : PT 15A / OUT : 6A       | 1   |
| 7                  | HEAT EXCHANGER  | 5 HP                         | 1   |
| 6                  | CAPILLARY TUBE  | -                            | 1   |
| 5                  | FILTER DRYER    | 1/4"                         | 1   |
| 4                  | FAN CONTROLLER  | 7 ~ 12 BARG                  | 1   |
| 3                  | FAN MOTOR       | 9W 4P Ø230                   | 1   |
| 2                  | A/C CONDENSER   | 1/4 HP (CONDENSING CAPACITY) | 1   |
| 1                  | REF. COMPRESSOR | 1/5 HP (COOLING CAPACITY)    | 1   |
| NO.                | PART NAME       | DESCRIPTION                  | QTY |

- ← AIR INLET LINE
- AIR OUTLET LINE
- ← REF. LOW PRESS. LINE
- REF. HIGH PRESS. LINE

| △  |               |                      |                    |     |      |      |      |      |      |  |
|--|---------------|----------------------|--------------------|-----|------|------|------|------|------|--|
| △  |               |                      |                    |     |      |      |      |      |      |  |
| △  |               |                      |                    |     |      |      |      |      |      |  |
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| △  | 2021. 04. 30. | ISSUED FOR REFERENCE |                    |     |      |      |      |      |      |  |
| REV. NO.   | DATE          | DESCRIPTION          | ENG                | CHK | APPD | APPD | APPD | APPD | APPD |  |
| PROJECT  |               |                      |                    |     |      |      |      |      |      |  |
| MANUFACTURER   |               |                      |                    |     |      |      |      |      |      |  |
| <br><small>Global Systems Air &amp; Gas</small> |               |                      |                    |     |      |      |      |      |      |  |
| TITLE  |               |                      |                    |     |      |      |      |      |      |  |
| FLOW SYSTEM  |               |                      |                    |     |      |      |      |      |      |  |
| ITEM NO.   | HYD-7EP+      | DWG NO.              | GSA-HYD-0007EPP-02 |     |      |      | REV. | △    |      |  |
| SCALE  | NONE          |                      |                    |     |      |      |      |      |      |  |



| POWER SOURCE<br>AC 220V, 1Ph, 60Hz |        |                          |
|------------------------------------|--------|--------------------------|
| NO.                                | SYMBOL | DESCRIPTION              |
| 10                                 | SW1    | DRYER ON/OFF SWITCH      |
| 9                                  | TR     | TRANSFORMER              |
| 8                                  | TS1    | DEW POINT TEMP. SENSOR   |
| 7                                  | PS     | FAN CONTROLLER           |
| 6                                  | C. OL  | REF. COMPRESSOR OVERLOAD |
| 5                                  | C1     | RUNNING CAPACITOR        |
| 4                                  | R      | RELAY                    |
| 3                                  | MC1    | MAGNETIC CONTACTOR       |
| 2                                  | M2     | FAN MOTOR                |
| 1                                  | M1     | REF. COMPRESSOR          |
| NO.                                | SYMBOL | DESCRIPTION              |

|   |          |                      |                    |     |      |      |      |      |      |
|---|----------|----------------------|--------------------|-----|------|------|------|------|------|
| △   |          |                      |                    |     |      |      |      |      |      |
| △   |          |                      |                    |     |      |      |      |      |      |
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| △   |          |                      |                    |     |      |      |      |      |      |
| △   |          |                      |                    |     |      |      |      |      |      |
| REV. NO.  | DATE     | DESCRIPTION          | ENG                | CHK | APPD | APPD | APPD | APPD | APPD |
| 2021. 04. 30.   |          | ISSUED FOR REFERENCE |                    |     |      |      |      |      |      |
| PROJECT   |          |                      |                    |     |      |      |      |      |      |
| -   |          |                      |                    |     |      |      |      |      |      |
| MANUFACTURER  |          |                      |                    |     |      |      |      |      |      |
| <br><small>Global Systems of Air &amp; Gas</small> |          |                      |                    |     |      |      |      |      |      |
| TITLE   |          |                      |                    |     |      |      |      |      |      |
| OUTLINE DRAWING   |          |                      |                    |     |      |      |      |      |      |
| ITEM NO.  | HYD-7EP+ | DWG NO.              | GSA-HYD-0007EPP-03 |     |      |      |      |      |      |
| SCALE   | NONE     | REV.                 | △                  |     |      |      |      |      |      |