



DEHDASHT PETROCHEMICAL INDUSTRY COMPANY  
DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT



DOCUMENT TITLE: ON/OFF Valve Data Sheet

POI: IFA

Rev.: D0

Contract No.: DPIC/98-12

DOCUMENT NUMBER: DPIC9812-000-VD-1002-ME-DS-0085

Sheet 1 of 6

**DOCUMENT TITLE:**

**On/Off Valves Data Sheet**

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|  |  |                 |                |                 |   |
|--|--|-----------------|----------------|-----------------|---|
| <b>PURCHASER'S COMMENT/APPROVAL STATUS</b> |  |                 |                |                 | Purchaser: NARGAN   |
| 1  | AP: Approved (Released for Manufacturing)                  |                 |                |                 | Requisition No.: DPIC98-12-001-000-ME-MR-4150-0001-D1<br>Item No. (Tag No.): PK-6101<br>Vendor Doc. No.: DPIC9812-000-VD-1002-ME-DS-0085-D0 |
| 2  | AN: Approved With Minor Comments (Fabrication may Proceed) |                 |                |                 |   |
| 3  | NF: Approved With Comments (Fabrication not Proceed)       |                 |                |                 |   |
| 4  | RJ: Rejected   |                 |                |                 |   |
| 5  | NR: Not be Returned  |                 |                |                 |   |
| Date: XX.XX.XX      Signature:             |  |                 |                |                 |   |
|  |  |                 |                |                 |   |
|  |  |                 |                |                 |   |
|  |  |                 |                |                 |   |
|  |  |                 |                |                 |   |
| D0   | 1.Feb..22  | R.Sabbaghi      | A.MALEKINIA    | DR.A.Nejati     |   |
| <b>REV</b>                                 | <b>DATE ISSUE</b>  | <b>PREPARED</b> | <b>CHECKED</b> | <b>APPROVED</b> |   |



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| 2    | x      |        |        |        |        |
| 3    | x      |        |        |        |        |
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|--|--|---|---|---|--------------|
| <br> |  | <b>DEHDASHT PETROCHEMICAL INDUSTRY COMPANY</b><br><br><b>DEHDASHT HIGH DENSITY POLYETHYLENE PROJECT</b> |   |  |              |
|  |  | DOCUMENT TITLE: ON/OFF Valve Data Sheet   |   | POI: IFA  | Rev. No.: D0 |
| Contract No.: DPIC/98-12   |  | DOCUMENT NUMBER: DPIC9812-000-VD-1002-ME-DS-0085  |   | Sheet 3 of 6  |              |
| <b>GENERAL DATA</b>  |  |   |   |   |              |
| 1  | Tag: ..... See List.....   | 4   | Ambient Temperatue (°C) Min: -15 Max: +45                         |   |              |
| 2  | P&ID Number: ..... See List.....   | 5   | Relative Humidity (%) Min: 45 Max: 90                             |   |              |
| 3  | Service: ..... See List.....   | 6   | Applicable Standards: .....ANSI/API 608, ANSI B16.....            |   |              |
| <b>BASIC DATA</b>  |  |   |   |   |              |
| PROCESS CONDITION  |  | 18  | Body & Bonnet Material: ..... See List.....                       |   |              |
| 7  | Process Fluid/Phase: ..... See List.....   | 19  | Liner Material: .....VTS.....                                     |   |              |
| 8  | Line No.: ..... See List.....  | 20  | Packing Material: .....VTS.....                                   |   |              |
| 9  | Flow Rate(Norm.,Max): ..... See List..... kg/h   | 21  | Bonnet Type: .....VTS.....  |   |              |
| 10   | Inlet Pressure(Norm.,Max): ..... See List..... barg  | 22  | Packing Type: .....Manufacturer Standard.....                     |   |              |
| 11   | Outlet Back-Pressure(Norm.,Max): ..... See List..... barg  | 23  | Fire Safe: .....Not Required.....                                 |   |              |
| 12   | Inlet Temperature(Norm.,Max): ..... See List.....°C  | TRIM (WETTED PARTS)   |   |   |              |
| 13   | Density (Max): ..... See List..... kg/m <sup>3</sup>   | 24  | Connection Size & Rating: ..... See List.....                     |   |              |
| 14   | Viscosity (Max): ..... See List..... cP  | 25  | Type: .....VTA.....   |   |              |
| 15   | Liquid Critical / Vapor Pressure: ..... See List..... barg   | 26  | Characteristics: .....Full Open-Full Close(ON/OFF).....           |   |              |
| VALVE  |  | 27  | Plug/Ball/Disk Material: ..... See List (VTA).....                |   |              |
| 16   | Valve Type: ..... See List.....  | 28  | Seat/Cage/Guide Material: ..... See List (VTA).....               |   |              |
| 17   | Connection Type: ..... See List.....   | 29  | Stem Material: .....VTS.....                                      |   |              |
| <b>ACTUATOR</b>  |  |   |   |   |              |
| 32   | Type: .....Piston-Spring Return.....   | 38  | Orientation: .....Parallel to Valve Body.....                     |   |              |
| 33   | Torque Value: .....Manufacturer Standard.....  | 39  | Air Failure Valve set: ..... See List.....                        |   |              |
| 34   | Min Safety Factor: .....25%.....   | 40  | Air Connection: .....Match with Solenoid Valve.....               |   |              |
| 35   | Max Shutoff Pressure: ..... See List.....  | 41  | On Load Test Handle/Valve: ..... Required(Not1).....              |   |              |
| 36   | Air Supply Pressure(Min/Norm./Max/Design): .....5.5/7/7.5/10.5..... barg                                 | 42  | Hydrostatic Test Pressure: .....1.5 x Design Pressure.....        |   |              |
| 37   | Full Operating Time: .....Less Than 10 Seconds.....  | 43  | Leakage Class: .....III As ANSI B16.104.....                      |   |              |
| <b>ACCESSORIES</b>   |  |   |   |   |              |
| SWITCH BOX   |  | 53  | Power Consumption: .....VTS.....                                  |   |              |
| 44   | Requirement: .....Yes.....   | 54  | Air Inlet: .....G 1/4".....                                       |   |              |
| 45   | No. of Switches: .....2 (Open & Close).....  | 55  | Working Pressure: .....2-10(VTA)..... barg                        |   |              |
| 46   | Switch Contact/Rating: ..... SPDT-Mechanical/2A @ 230VAC.....  | 56  | Ingress Protection: .....IP65.....                                |   |              |
| 47   | Switch Points: .....Full Open & Full Close.....  | 57  | Ex. Protection: ..... See List.....                               |   |              |
| 48   | Electrical Connection: .....4 * M20x1.5.....   | 58  | Electrical Connection: .....1 * M20x1.5 or 1m Integral Cable..... |   |              |
| SOLENOID VALVE   |  | OTHER   |   |   |              |
| 49   | Type: <input type="checkbox"/> NONE <input checked="" type="checkbox"/> 3/2 <input type="checkbox"/> 5/2 | 59  | Adjustable Flow Regulator: .....Required.....                     |   |              |
| 50   | Body Material: .....Manufacturer Standard.....   | 60  | Local Pressure Indicator: .....Required.....                      |   |              |
| 51   | Mounting: .....Direct Mount on Actuator (NAMUR).....   | 61  | Hand Operated Valve: .....Not Required.....                       |   |              |
| 52   | Power Supply: .....24 VDC.....   | 62  | Volume Tank: .....Not Required.....                               |   |              |
| <b>MODEL DATA</b>  |  |   |   |   |              |
| 63   | Manufacturer: .....HOLD.....   | 65  | Purchase Order No.: .....   |   |              |
| 64   | Model: .....HOLD.....  | 66  | Order Code: .....HOLD.....  |   |              |
| <b>REMARKS</b>   |  |   |   |   |              |
| VTS : Vendor To Specify<br>VTA: Vendor to Advise<br><br><b>Note 1: Required Only If Manual Override not Considered on the Solenoid Valve</b>                           |  |   |   |   |              |



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ON-OFF VALVE LIST

| ITEM | TAG. NO. | P&ID<br>DPIC9812-000-VD-<br>1002-ME-DS-0085-<br>D2 | SERVICE  | PROCESS FLUID/PHASE | LINE NO.            | VALVE TYPE          | CONNECTION TYPE | BODY/BONNET MATERIAL            | PLUG/BALL/DISK MATERIAL | SEAT/CAGE/GUIDE MATERIAL | EX. PROTECTION  | FLOW RATE(m <sup>3</sup> /hr) |         | INLET PRESSURE (barg) |          | OUTLET BACK-PRESSURE (barg) |          | INLET TEMPERATURE (°C) |         | Density (kg/m <sup>3</sup> ) | VISCOSITY (cP) | LIQ. CRITICAL/VAPOR PRESSURE (barg) | SIZE & RATING | SHUTOFF PRESSURE (barg) | AIR FAILURE | REV. |
|------|----------|--|--|---------------------|---------------------|---------------------|-----------------|---------------------------------|-------------------------|--------------------------|-----------------|-------------------------------|---------|-----------------------|----------|-----------------------------|----------|------------------------|---------|------------------------------|----------------|-------------------------------------|---------------|-------------------------|-------------|------|
|      |          |  |  |                     |                     |                     |                 |                                 |                         |                          |                 | NORMAL                        | MAXIMUM | NORMAL                | MAXIMUM  | NORMAL                      | MAXIMUM  | NORMAL                 | MAXIMUM |                              |                |                                     |               |                         |             |      |
| 1    | XV-61136 | 2 OF 4   | SCREW COMPRESSOR (C-PK6101-1A) PROPYLENE INLET | PROPYLENE-GAS       | 6"-PR-61127-1DL4-M  | BALL (REDUCED BORE) | RF FLANGED      | ASTM A 352 Gr. LCB - SIDE ENTRY | A351 CF8M (VTA)         | PTFE (VTA)               | Eex d IIB T6/T5 | 450                           | 600     | 7                     | 24 / F.V | 0                           | 24 / F.V | 15                     | 50      | 17                           | 0.008          | 45                                  | 6"/#300       | 30                      | FAIL CLOSE  | D0   |
| 2    | XV-61124 | 2 OF 4   | SCREW COMPRESSOR (C-PK6101-1B) PROPYLENE INLET | PROPYLENE-GAS       | 6"-PR-61128-1DL4-M  | BALL (REDUCED BORE) | RF FLANGED      | ASTM A 352 Gr. LCB - SIDE ENTRY | A351 CF8M (VTA)         | PTFE (VTA)               | Eex d IIB T6/T5 | 450                           | 600     | 7                     | 24 / F.V | 0                           | 24 / F.V | 15                     | 50      | 17                           | 0.008          | 45                                  | 6"/#300       | 30                      | FAIL CLOSE  | D0   |
| 3    | XV-61135 | 2 OF 4   | ECONOMIZER (E-PK6101-3) PROPYLENE TUBE INLET   | PROPYLENE/LIQUID    | 3"-PR-61126-1DL4-M  | BALL (REDUCED BORE) | RF FLANGED      | ASTM A 352 Gr. LCB - SIDE ENTRY | A351 CF8M (VTA)         | PTFE (VTA)               | Eex d IIB T6/T5 | 16                            | 25      | 20                    | 24 / F.V | 0                           | 24 / F.V | 48                     | 80      | 460                          | 0.06           | 45.5/0.2                            | 3"/#300       | 30                      | FAIL CLOSE  | D0   |
| 4    | XV-61134 | 2 OF 4   | EVAPORATOR (E-6101) PROPYLENE SHELL INLET      | PROPYLENE/LIQUID    | 6"-PR-61130-1DL4-M  | BALL (REDUCED BORE) | RF FLANGED      | ASTM A 352 Gr. LCB - SIDE ENTRY | A351 CF8M (VTA)         | PTFE (VTA)               | Eex d IIB T6/T5 | 38                            | 50      | 20                    | 24 / F.V | 0                           | 24 / F.V | 16                     | 50      | 525                          | 0.09           | 45.5/0.2                            | 6"/#300       | 30                      | FAIL CLOSE  | D0   |
| 5    | XV-61131 | 3 OF 4   | OIL COOLER (E-PK6101-1A) JACKET WATER OUTLET   | WATER/LIQUID        | 3"-JWR-61121-4CC2-N | BALL (FULL BORE)    | RF FLANGED      | ASTM A 216 Gr. WCB SPLIT BODY   | A351 CF8M (VTA)         | PTFE (VTA)               | Eex d IIB T6/T5 | 25                            | 40      | 6                     | 11       | 0                           | 6        | 45                     | 70      | 1000                         | 0.5            | 220/0.3                             | 3"/#150       | 20                      | FAIL CLOSE  | D0   |
| 6    | XV-61132 | 4 OF 4   | OIL COOLER (E-PK6101-1A) JACKET WATER OUTLET   | WATER/LIQUID        | 3"-JWR-61122-4CC2-N | BALL (FULL BORE)    | RF FLANGED      | ASTM A 216 GR. WCB SPLIT BODY   | A351 CF8M (VTA)         | PTFE (VTA)               | Eex d IIB T6/T5 | 25                            | 40      | 6                     | 11       | 0                           | 6        | 45                     | 70      | 1000                         | 0.5            | 220/0.3                             | 3"/#150       | 20                      | FAIL CLOSE  | D0   |



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**GENERAL DATA**

|   |                                  |   |   |
|---|----------------------------------|---|---|
| 1 | Tag: ..... See List.....         | 4 | Ambient Temperature (°C) Min: -15 Max: +45                          |
| 2 | P&ID Number: ..... See List..... | 5 | Relative Humidity (%) Min: 45 Max: 90                               |
| 3 | Service: ..... See List.....     | 6 | Applicable Standards: ...IEC216, UL, FM, CSA, IEC60079, ANSI B16... |

**BASIC DATA**

| PROCESS CONDITION |   | BODY MATERIAL |  |
|-------------------|---|---------------|--|
| 7                 | Process Fluid/Phase: ..... See List.....                              | 17            | Estimated/Vendor Specified Orifice Size: ..... See List..... in          |
| 8                 | Line No.: ..... See List.....   | 18            | Estimated/Real Flow Factor (Cv): ..... See List.....                     |
| 9                 | Flow Rate(Norm.,Max): ..... See List..... kg/h                        | 19            | Operation Type: ..... Direct (Non-Pilot Operated).....                   |
| 10                | Operating Inlet Pressure (Norm.,Max): ..... See List..... barg        | 20            | Orifice Quantity: ..... 1 (VTS).....                                     |
| 11                | Operating Differential Pressure (Norm.,Max): ..... See List..... barg | 21            | Enclosure Classification: ..... Industrial / Watertight & Dusttight..... |
| 12                | Inlet Temperature(Norm.,Max): ..... See List..... °C                  | 22            | Fire Safe: ..... Not Required.....                                       |
| 13                | Density (Max): ..... See List..... kg/m³                              | 23            | Enclosure: ..... See List.....   |
| 14                | Viscosity (Max): ..... See List..... cP                               | 24            | Seal & Disc: ..... VTS.....  |
| SOLENOID VALVE    |   | 25            | Shading Coil: ..... VTS.....   |
| 15                | Valve Type: ..... See List.....                                       | 26            | Core Tube: ..... VTS.....  |
| 16                | Connection Size / Type / Rating: ..... See List.....                  | 27            | Spring: ..... VTS.....   |

**SOLENOID COIL**

|    |   |    |   |
|----|---|----|---|
| 28 | Type: ..... DIN, Detachable, Match to Valve.....            | 34 | Duty: ..... Continuous.....                                 |
| 29 | Minimum Winding Temperature Class: ..... Class F (VTA)..... | 35 | Shading Coil: ..... Not Required.....                       |
| 30 | Coil Insulation System: ..... VTS.....                      | 36 | Explosion Proof Class: ..... See List.....                  |
| 31 | Voltage Rating: ..... 24VDC ±5%.....                        | 37 | Temperature Rise Class: ..... T4 (135°C).....               |
| 32 | Inrush Current: ..... N/A..... A                            | 38 | Max Attainable Surface Temperature at 45°C : ..... VTS..... |
| 33 | Holding Current: ..... VTS..... A                           | 39 | Connection: .M20 Gland ...                                  |

**ACCESSORIES**

| MANUAL RESET |                             |    |                               |
|--------------|-----------------------------|----|-------------------------------|
| 40           | Requirement: ..... No.....  | 42 | Manufacturer: ..... HOLD..... |
| 41           | Latch State: ..... N/A..... | 43 | Model: ..... HOLD.....        |
|              |                             | 44 | Order Code: ..... HOLD.....   |

**REMARKS**

VTS : Vendor To Specify  
VTA: Vendor to Advise



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SOLENOID VALVE LIST

| ITEM | TAG. NO>   | P&ID<br>DPIC9812-000-<br>VD-1002-ME-<br>LST-0051-D2 | SERVICE  | PROCESS FLUID/PHASE | LINE NO./TUBING DESCRIPTION | VALVE TYPE  | CONNECTION SIZE / TYPE | VALVE BODY MATERIAL | ESTIMATED ORIFICE SIZE<br>(in) | ESTIMATED Cv | EX PROTECTION | FLOW RATE(LPM) |         | INLET PRESSURE (barg) |         | DIFF. PRESSURE (barg) |         | INLET TEMPERATURE (°C) |         | DENSITY<br>(kg/m³) | VISCOSITY<br>(cP) | FUNCTION     | REV |
|------|------------|---|--|---------------------|-----------------------------|-------------|------------------------|---------------------|--------------------------------|--------------|---------------|----------------|---------|-----------------------|---------|-----------------------|---------|------------------------|---------|--------------------|-------------------|--------------|-----|
|      |            |   |  |                     |                             |             |                        |                     |                                |              |               | Normal         | Maximum | Normal                | Maximum | Normal                | Maximum | Normal                 | Maximum |                    |                   |              |     |
| 1    | SOV-61133  | 2/4   | EVAPORATOR (E-6101) OIL RECOVERY NOZZLE OUTLET         | LUBE OIL/LIQUID     | EVAPORATOR OIL RECOVERY     | 2 WAY - 2/2 | 1/2" NPT-FEMALE        | S.S 316             | 5/8 (VTS)                      | 16 (VTS)     | Ex d IIB T4   | 200            | 400     | 3                     | 23      | 0.1                   | 20      | -25                    | -45/AMB | 880                | 280               | NORMAL CLOSE | D0  |
| 2    | SOV-61130  | 2/4   | SCREW COMPRESSOR (C-PK6101-1B) OIL INLET               | LUBE OIL/LIQUID     | COMPRESSOR A INLET OIL LINE | 2 WAY - 2/2 | 1/2" NPT-FEMALE        | S.S 316             | 5/8 (VTS)                      | 16 (VTS)     | Ex d IIB T4   | 200            | 400     | 4                     | 23      | 0.1                   | 20      | -10                    | -45/AMB | 880                | 280               | NORMAL CLOSE | D0  |
| 3    | SOV-61129  | 2/4   | SCREW COMPRESSOR (C-PK6101-1A) OIL INLET               | LUBE OIL/LIQUID     | COMPRESSOR B INLET OIL LINE | 2 WAY - 2/2 | 1/2" NPT-FEMALE        | S.S 316             | 5/8 (VTS)                      | 16 (VTS)     | Ex d IIB T4   | 200            | 400     | 4                     | 23      | 0.1                   | 20      | -10                    | -45/AMB | 880                | 280               | NORMAL CLOSE | D0  |
| 4    | SOV-61122  | 2/4   | K.O DRUM (D-PK6101-3) OIL OUTLET                       | LUBE OIL/LIQUID     | K.O. DRUM OIL DRAIN LINE    | 2 WAY - 2/2 | 1/2" NPT-FEMALE        | S.S 316             | 5/8 (VTS)                      | 16 (VTS)     | Ex d IIB T4   | 200            | 400     | 3                     | 23      | 0.1                   | 20      | -25                    | -45/AMB | 880                | 280               | NORMAL CLOSE | D0  |
| 5    | SOV-61123  | 2/4   | OIL SEPARATOR (D-PK6101-1A/D-PK6101-1B) OIL OUTLET     | LUBE OIL/LIQUID     | CONDENSER LINE              | 2 WAY - 2/2 | 1/2" NPT-FEMALE        | S.S 316             | 5/8 (VTS)                      | 11 (VTS)     | Ex d IIB T4   | 200            | 400     | 20                    | 25      | 0.5                   | 20      | 80                     | 135     | 880                | 2                 | NORMAL CLOSE | D0  |
| 6    | SOV-61120A | 3/4   | SCREW COMPRESSOR (C-PK6101-1A) CAPACITY CONTROL SYSTEM | LUBE OIL/LIQUID     | OIL LOAD RETURN TUBE        | 2 WAY - 2/2 | 1/2" NPT-FEMALE        | S.S 316             | 5/8 (VTS)                      | 8 (VTS)      | Ex d IIB T4   | 100            | 350     | 23                    | 25      | 0.5                   | 30      | 50                     | 70      | 880                | 2.2               | NORMAL CLOSE | D0  |
| 7    | SOV-61120B | 3/4   | SCREW COMPRESSOR (C-PK6101-1A) CAPACITY CONTROL SYSTEM | LUBE OIL/LIQUID     | OIL UNLOAD SUPPLY TUBE      | 2 WAY - 2/2 | 1/2" NPT-FEMALE        | S.S 316             | 5/8 (VTS)                      | 8 (VTS)      | Ex d IIB T4   | 100            | 350     | 23                    | 25      | 0.5                   | 30      | 50                     | 70      | 880                | 2.2               | NORMAL CLOSE | D0  |
| 8    | SOV-61120C | 3/4   | SCREW COMPRESSOR (C-PK6101-1A) CAPACITY CONTROL SYSTEM | LUBE OIL/LIQUID     | OIL LOAD SUPPLY TUBE        | 2 WAY - 2/2 | 1/2" NPT-FEMALE        | S.S 316             | 5/8 (VTS)                      | 8 (VTS)      | Ex d IIB T4   | 100            | 350     | 23                    | 25      | 0.5                   | 30      | 50                     | 70      | 880                | 2.2               | NORMAL CLOSE | D0  |
| 9    | SOV-61120D | 3/4   | SCREW COMPRESSOR (C-PK6101-1A) CAPACITY CONTROL SYSTEM | LUBE OIL/LIQUID     | OIL UNLOAD RETURN TUBE      | 2 WAY - 2/2 | 1/2" NPT-FEMALE        | S.S 316             | 5/8 (VTS)                      | 8 (VTS)      | Ex d IIB T4   | 100            | 350     | 23                    | 25      | 0.5                   | 30      | 50                     | 70      | 880                | 2.2               | NORMAL CLOSE | D0  |
| 10   | SOV-61126  | 3/4   | OIL SEPARATOR (D-PK6101-1A) OIL OUTLET                 | LUBE OIL/LIQUID     | OIL SEPARATOR OUTLET TUBE   | 2 WAY - 2/2 | 1/2" NPT-FEMALE        | S.S 316             | 5/8 (VTS)                      | 2 (VTS)      | Ex d IIB T4   | 200            | 400     | 20                    | 23      | 20                    | 30      | 30                     | 90      | 875                | 1.7               | NORMAL CLOSE | D0  |
| 11   | SOV-61125  | 3/4   | OIL SEPARATOR (D-PK6101-1A) OIL OUTLET                 | LUBE OIL/LIQUID     | OIL SEPARATOR OUTLET TUBE   | 2 WAY - 2/2 | 1/2" NPT-FEMALE        | S.S 316             | 5/8 (VTS)                      | 2 (VTS)      | Ex d IIB T4   | 200            | 400     | 20                    | 23      | 20                    | 30      | 30                     | 90      | 875                | 1.7               | NORMAL CLOSE | D0  |
| 12   | SOV-61121A | 4/4   | SCREW COMPRESSOR (C-PK6101-1B) CAPACITY CONTROL SYSTEM | LUBE OIL/LIQUID     | OIL LOAD RETURN TUBE        | 2 WAY - 2/2 | 1/2" NPT-FEMALE        | S.S 316             | 5/8 (VTS)                      | 8 (VTS)      | Ex d IIB T4   | 100            | 350     | 23                    | 25      | 0.5                   | 30      | 50                     | 70      | 880                | 2.2               | NORMAL CLOSE | D0  |
| 13   | SOV-61121B | 4/4   | SCREW COMPRESSOR (C-PK6101-1B) CAPACITY CONTROL SYSTEM | LUBE OIL/LIQUID     | OIL UNLOAD SUPPLY TUBE      | 2 WAY - 2/2 | 1/2" NPT-FEMALE        | S.S 316             | 5/8 (VTS)                      | 8 (VTS)      | Ex d IIB T4   | 100            | 350     | 23                    | 25      | 0.5                   | 30      | 50                     | 70      | 880                | 2.2               | NORMAL CLOSE | D0  |
| 14   | SOV-61121C | 4/4   | SCREW COMPRESSOR (C-PK6101-1B) CAPACITY CONTROL SYSTEM | LUBE OIL/LIQUID     | OIL LOAD SUPPLY TUBE        | 2 WAY - 2/2 | 1/2" NPT-FEMALE        | S.S 316             | 5/8 (VTS)                      | 8 (VTS)      | Ex d IIB T4   | 100            | 350     | 23                    | 25      | 0.5                   | 30      | 50                     | 70      | 880                | 2.2               | NORMAL CLOSE | D0  |
| 15   | SOV-61121D | 4/4   | SCREW COMPRESSOR (C-PK6101-1B) CAPACITY CONTROL SYSTEM | LUBE OIL/LIQUID     | OIL UNLOAD RETURN TUBE      | 2 WAY - 2/2 | 1/2" NPT-FEMALE        | S.S 316             | 5/8 (VTS)                      | 8 (VTS)      | Ex d IIB T4   | 100            | 350     | 23                    | 25      | 0.5                   | 30      | 50                     | 70      | 880                | 2.2               | NORMAL CLOSE | D0  |
| 16   | SOV-61128  | 4/4   | OIL SEPARATOR (D-PK6101-1B) OIL OUTLET                 | LUBE OIL/LIQUID     | OIL SEPARATOR OUTLET TUBE   | 2 WAY - 2/2 | 1/2" NPT-FEMALE        | S.S 316             | 5/8 (VTS)                      | 2 (VTS)      | Ex d IIB T4   | 200            | 400     | 20                    | 23      | 20                    | 30      | 30                     | 90      | 875                | 1.7               | NORMAL CLOSE | D0  |
| 17   | SOV-61127  | 4/4   | OIL SEPARATOR (D-PK6101-1B) OIL OUTLET                 | LUBE OIL/LIQUID     | OIL SEPARATOR OUTLET TUBE   | 2 WAY - 2/2 | 1/2" NPT-FEMALE        | S.S 316             | 5/8 (VTS)                      | 2 (VTS)      | Ex d IIB T4   | 200            | 400     | 20                    | 23      | 20                    | 30      | 30                     | 90      | 875                | 1.7               | NORMAL CLOSE | D0  |