FPS UNIT HAS A 14.8 GALLON NITROGEN STORAGE TANK INSIDE CABINET

AIR MAINTENANCE DEVICES
(RECOMMENDED AMD-1 OR EQUIVALENT - SUPPLIED BY OTHERS)

AIR / NITROGEN SUPPLY TO FPS PIPING

INTERNAL N2 STORAGE TANK PRESSURE GAUGE

SEE NOTE 5

SCALE 1 : 24

GENERAL NOTES:
(1) ALL CONNECTIONS ARE 1/2" NPT F UNLESS OTHERWISE SPECIFIED.
(2) ALL PIPING, FITTINGS, VALVES, AND HARDWARE TO/FROM THE GENERATOR ARE SUPPLIED BY OTHERS.
(3) ALL EQUIPMENT MUST BE INSTALLED ON A HARD FLAT SURFACE.
(4) FOR DESIGN DATA OF NITROGEN GENERATOR SEE DRAWING DD-TYP4P-FPS.
(5) SOUTH-TEK RECOMMENDS TO INSTALL 24" OF "1/2" ID FLEX TUBING RATED FOR 200 PSIG / 135 F (MINIMUM) TO REDUCE VIBRATION FROM COMPRESSOR TO HARD PIPING (OPTIONAL PART NUMBER "002-310")

CUSTOMER PACKAGES

TYP4P WITH AUTO BYPASS, GENERAL ARRANGEMENT PACKAGE

PROJECT NAME: GA-TYP4P-FPS-A

REV: 01

SCALE: 1:12

DATE: 01/12/18

REVIS. ONLY THE LATEST 3 REVISIONS WILL BE SHOWN. OLDER REVISIONS CONSOLIDATED AND FILED.

PJS
MRT

1/2
1/16
.005
.03
.2
1
.5
1/8
1/16
1/32
XX
XXX

ANGLES

X

X

XX

XXX

1/8

1/16

1/32

1/64

1/128

1/256

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SOUTH-TEK SYSTEMS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SOUTH-TEK SYSTEMS IS PROHIBITED.
FPS UNIT HAS A 14.8 GALLON NITROGEN STORAGE TANK INSIDE CABINET

AIR MAINTENANCE DEVICE/S
(RECOMMENDED AMD-1 OR EQUIVALENT - SUPPLIED BY OTHERS)

AIR / NITROGEN SUPPLY TO FPS PIPING

INTERNAL N2 STORAGE TANK PRESSURE GUAGE

SCALE 1 : 28

SEE NOTE 5

SCALE 1 : 24

GENERAL NOTES:
(1) ALL CONNECTIONS ARE 1/2" NPT F UNLESS OTHERWISE SPECIFIED.
(2) ALL PIPING, FITTINGS, VALVES, AND HARDWARE TO/FROM THE GENERATOR ARE SUPPLIED BY OTHERS.
(3) ALL EQUIPMENT MUST BE INSTALLED ON A HARD FLAT SURFACE.
(4) FOR DESIGN DATA OF NITROGEN GENERATOR SEE DRAWING DD-TYP4P-FPS.
(5) SOUTH-TEK RECOMMENDS TO INSTALL 24" OF "1/2" ID FLEX TUBING (MINIMUM) TO REDUCE VIBRATION FROM COMPRESSOR TO HARD PIPING (OPTIONAL PART NUMBER "002-310")
THE FPS-1650-P-A HAS (4) SHIPPING LOCK BOLTS THAT WILL NEED TO BE REMOVED PRIOR TO UNIT OPERATION. THESE BOLTS HOLD THE COMPRESSOR IN PLACE DURING SHIPPING.

NOTES:

(1) UNIT EQUIPED WITH AUTO AIR BYPASS
(2) THE FPS-1650-P-A WILL HAVE 1/4" OD PUSH TO CONNECT BULKHEADS. THE FPS-3250-P-A AND FPS-5000-P-A WILL HAVE A 1/4" NPT BULKHEAD.

INTERNAL COMPONENTS

ITEM# DESCRIPTION SERVICE
1 1/2" FNPT BALL VALVE N2 OUT
2 0 - 160 PSIG PRESSURE GAUGE INTERNAL STORAGE TANK PRESSURE
3 CONDENSATE DRAIN (SEE NOTE 2) FILTER DRAIN LINE CONNECTIONS
4 UNITRONICS ELECTRICAL ASSEMBLY SYSTEM CONTROLLER
5 POWER ENTRY MODULE, 20 AMP SYSTEM MAIN POWER CONNECTION
6 UL 508A OPEN INDUSTRIAL PANEL ELECTRICAL CONNECTIONS
7 1/2" NPT BULKHEAD AIR INPUT
8 UL 508A OPEN INDUSTRIAL CONTROL PANEL CERTIFICATION LABEL
9 ELECTRICAL PANEL AND TERMINAL BLOCK TORQUE SPECIFICATIONS LABEL
10 PRODUCT SERIAL NUMBER LABEL
11 NITROGEN GENERATOR INFORMATION LABEL
12 1/2" 1 NPT EMERGENCY AIR BYPASS PORT

EXTERNAL COMPONENTS

ITEM# DESCRIPTION SERVICE
1 FPS-1650-P-A
2 FPS-3250-P-A
3 FPS-5000-P-A

PURITY 98% +
N2 OUT PRESSURE UP TO 80 PSI
SHIPPING WEIGHT 223 LBS 243 LBS 303 LBS
ELECTRICAL 110-240V / 60-50HZ / 1PHASE, 7.1AMPS

#900-135 REPLACEMENT PRE-COMPRESSOR AIR FILTER 1
900-137-MB PARTICULATE FILTER ELEMENT 1
900-140-MB COALESCING FILTER ELEMENT 1
120-020-E O-RING FOR FILTER BOWLS 2

NOTE: UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
THE FPS-1650-P-A HAS (4) SHIPPING LOCK BOLTS THAT WILL NEED TO BE REMOVED PRIOR TO UNIT OPERATION. THESE BOLTS HOLD THE COMPRESSOR IN PLACE DURING SHIPPING.

NOTES:
(1) UNIT EQUIPED WITH AUTO AIR BYPASS
(2) THE FPS-1650-P-A WILL HAVE 1/4" OD PUSH TO CONNECT BULKHEADS. THE FPS-3250-P-A AND FPS-5000-P-A WILL HAVE A 1/4" NPT F BULKHEAD.

EXTERNAL COMPONENTS

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<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>SERVICE</th>
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<tbody>
<tr>
<td>1</td>
<td>1/2&quot; FNPT BALL VALVE</td>
<td>N2 Out</td>
</tr>
<tr>
<td>2</td>
<td>0 - 160 PSIG PRESSURE GAUGE</td>
<td>INTERNAL STORAGE TANK PRESSURE</td>
</tr>
<tr>
<td>3</td>
<td>CONDENSATE DRAIN (SEE NOTE 2)</td>
<td>FILTER DRAIN LINE CONNECTIONS</td>
</tr>
<tr>
<td>4</td>
<td>UNITRONICS ELECTRICAL ASSEMBLY</td>
<td>SYSTEM CONTROLLER</td>
</tr>
<tr>
<td>5</td>
<td>POWER ENTRY MODULE, 20 AMP</td>
<td>SYSTEM MAIN POWER CONNECTION</td>
</tr>
<tr>
<td>6</td>
<td>UL 508A OPEN INDUSTRIAL PANEL</td>
<td>ELECTRICAL CONNECTIONS</td>
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<tr>
<td>7</td>
<td>1/2&quot; NPT BULKHEAD</td>
<td>AIR INPUT</td>
</tr>
<tr>
<td>8</td>
<td>UL 508A OPEN INDUSTRIAL CONTROL PANEL CERTIFICATION LABEL</td>
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</tr>
<tr>
<td>9</td>
<td>ELECTRICAL PANEL AND TERMINAL BLOCK TORQUE SPECIFICATIONS LABEL</td>
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<tr>
<td>10</td>
<td>PRODUCT SERIAL NUMBER LABEL</td>
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</tr>
<tr>
<td>11</td>
<td>NITROGEN GENERATOR INFORMATION LABEL</td>
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<tr>
<td>12</td>
<td>1/2&quot; F NPT EMERGENCY AIR BYPASS PORT</td>
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FRP-013, FILTER ELEMENT KIT FOR FPS-3250/5000-P-A

<table>
<thead>
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<th>PART #</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
<th>PURITY</th>
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<tr>
<td>900-300</td>
<td>PARTICULATE FILTER ELEMENT</td>
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<td>98% +</td>
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<td>900-310</td>
<td>OILAESCING FILTER ELEMENT (MTP-95-548)</td>
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<tr>
<td>900-335</td>
<td>ABSORBING FILTER ELEMENT (MXP-95-987)</td>
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AVAILABLE ELECTRICAL OPTIONS AND DESIGN DATA

<table>
<thead>
<tr>
<th>STS PART #</th>
<th>CUSTOMER #</th>
<th>ELECTRICAL</th>
<th>MOTOR</th>
<th>AIR FLOW</th>
<th>WEIGHT</th>
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</thead>
<tbody>
<tr>
<td>2223-0006</td>
<td>STS-NF-C-2-J</td>
<td>120V / 60Hz / 1PHASE, 18.4 AMPS</td>
<td>2 HP</td>
<td>7.6 SCFM @ 120 - 140 Psi</td>
<td>250 LBS</td>
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<tr>
<td></td>
<td></td>
<td>230V / 60Hz / 1PHASE, 9.3 AMPS</td>
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</table>

MATERIAL: STS-NF-C-2-J
FINISH: STS-NF-C-2-J
WEIGHT: STS-NF-C-2-J
PROJECT NAME: (2-J) AIR COMPRESSOR DESIGN DATA AND DIMENSIONS

SECTION A-A
SCALE 1 : 8

ANGLES

<table>
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<tr>
<th>ANGLES</th>
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<th>XXX</th>
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<th>X/X-10'</th>
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<td>-1</td>
<td>-2</td>
<td>03</td>
<td>05</td>
<td>3/16</td>
<td>1/8</td>
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
NUMBER: DD-AC-2-J
SIZE: 1
SCALE: 1:16
SHEET: 1 OF 1
REVISIONS: ONLY THE LATEST 3 REVISIONS WILL BE SHOWN. OLDER REVISIONS CONSOLIDATED AND FILED.

REV: 00
DRAWN: JVN
APPROVED: JVN
DATE: 01/11/18
DATE: 01/11/18

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80 GALLON ASME TANK

45.00° TYP
90.00° TYP

80 GALLON VERTICAL ASME TANK ELITE W/ COOLER (MAG STARTER, AUTO TANK DRAIN, LOW OIL MONITOR, VIBRATION PADS)

1/8" NPT AUTO-DRAIN CONNECTION PORT LOCATED NEAR BOTTOM OF THE TANK. PIPE TO SITE DRAIN.

STS-NF-C-5-CS

CS-050-(XXX)-16 STS-NF-C-5-CS 5 17.5 33 X 26 X 74 685 208-230V/1PH/24A CS-050-KIT1

CS-050-(XXX)-36 STS-NF-C-5-CS 7.5 24 41 X 26 X 78 885 lbs 230-460V/3PH/(16A-9A) CS-075-KIT2

CS-075HD-(XXX)-36 STS-NF-C-7HD-CS 10 35 230-460V/3PH/(28A-14A) CS-075HD-100-KIT1

CS-100-(XXX)-36 STS-NF-C-10-CS 10 35 230-460V/3PH/(28A-14A) CS-100-KIT3

(4X) ø .69
22.39 BC

SCALE 1 : 4

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES