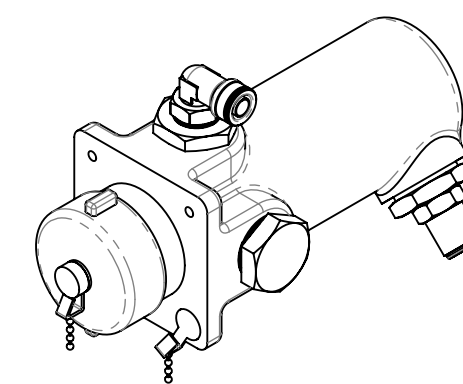
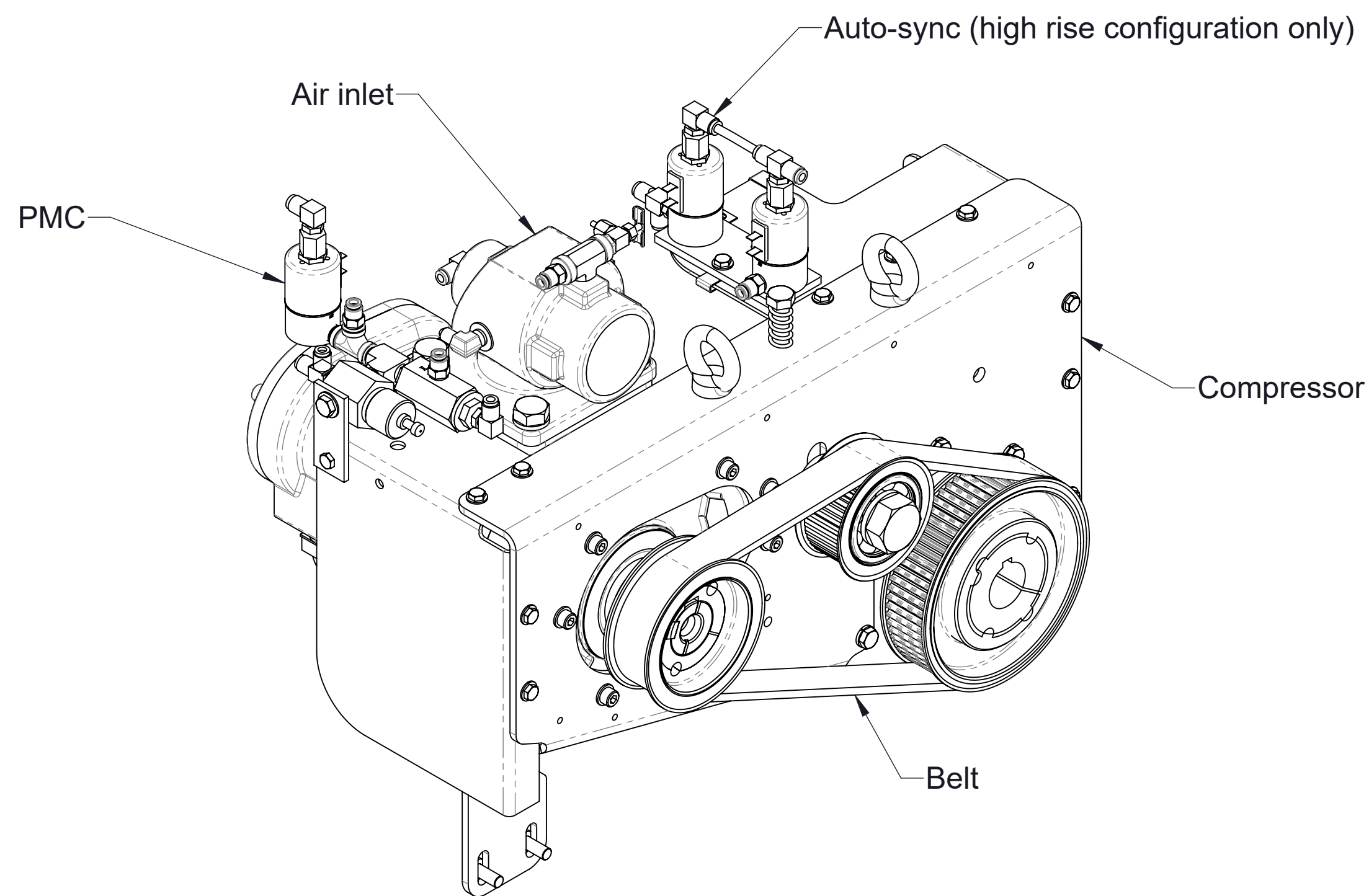
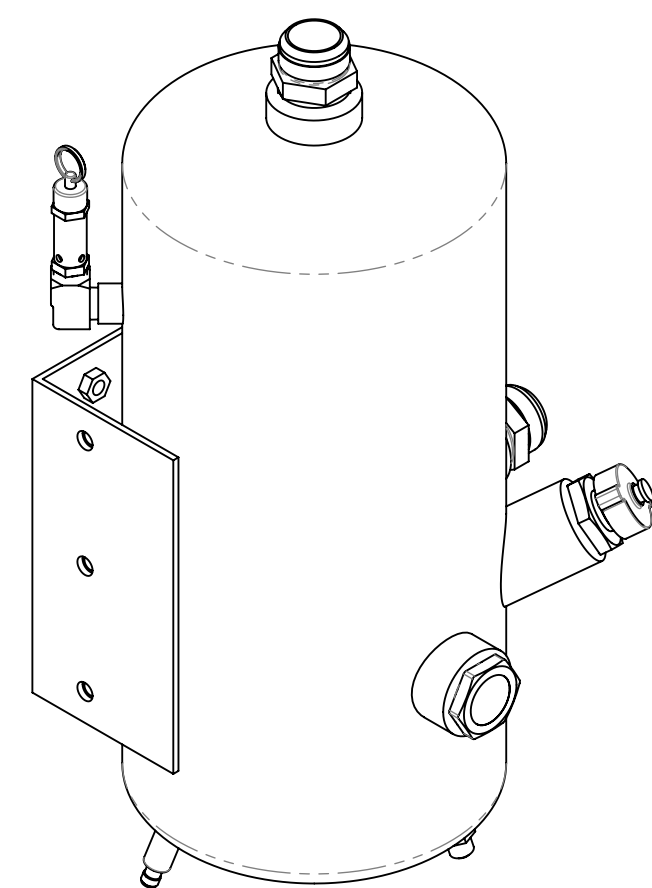


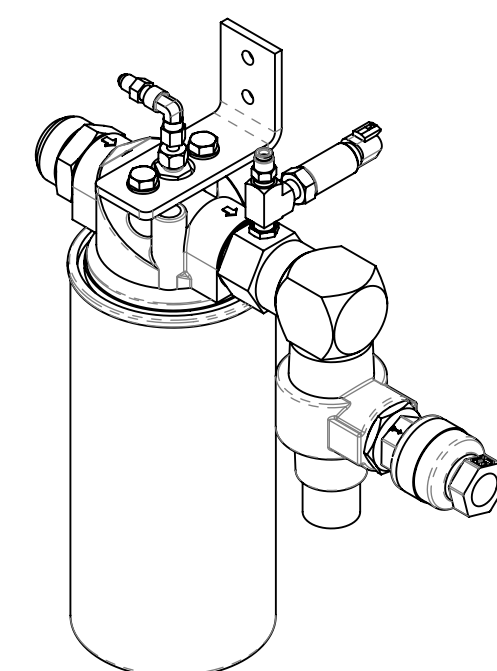
Model 150-ESECL Eclipse GEN 2.0 CAF System As used with TC22 Series PTO's



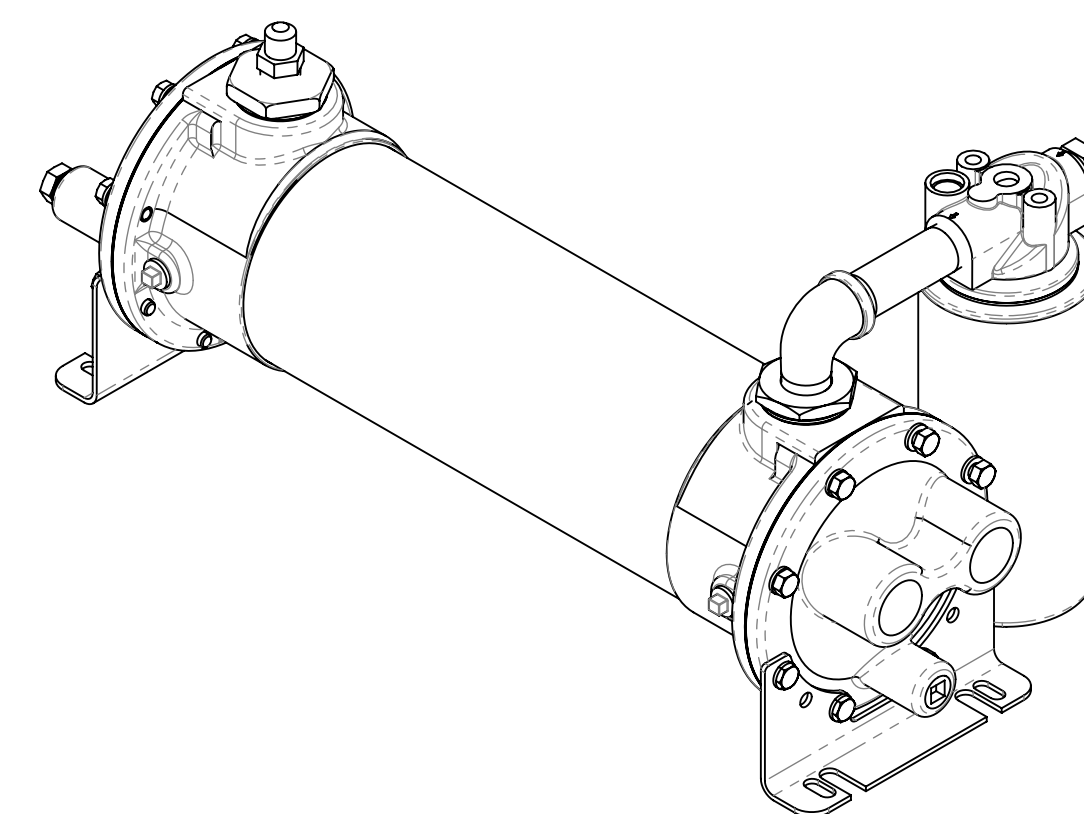
Optional Panel Strainer



Sump



Separator Filter



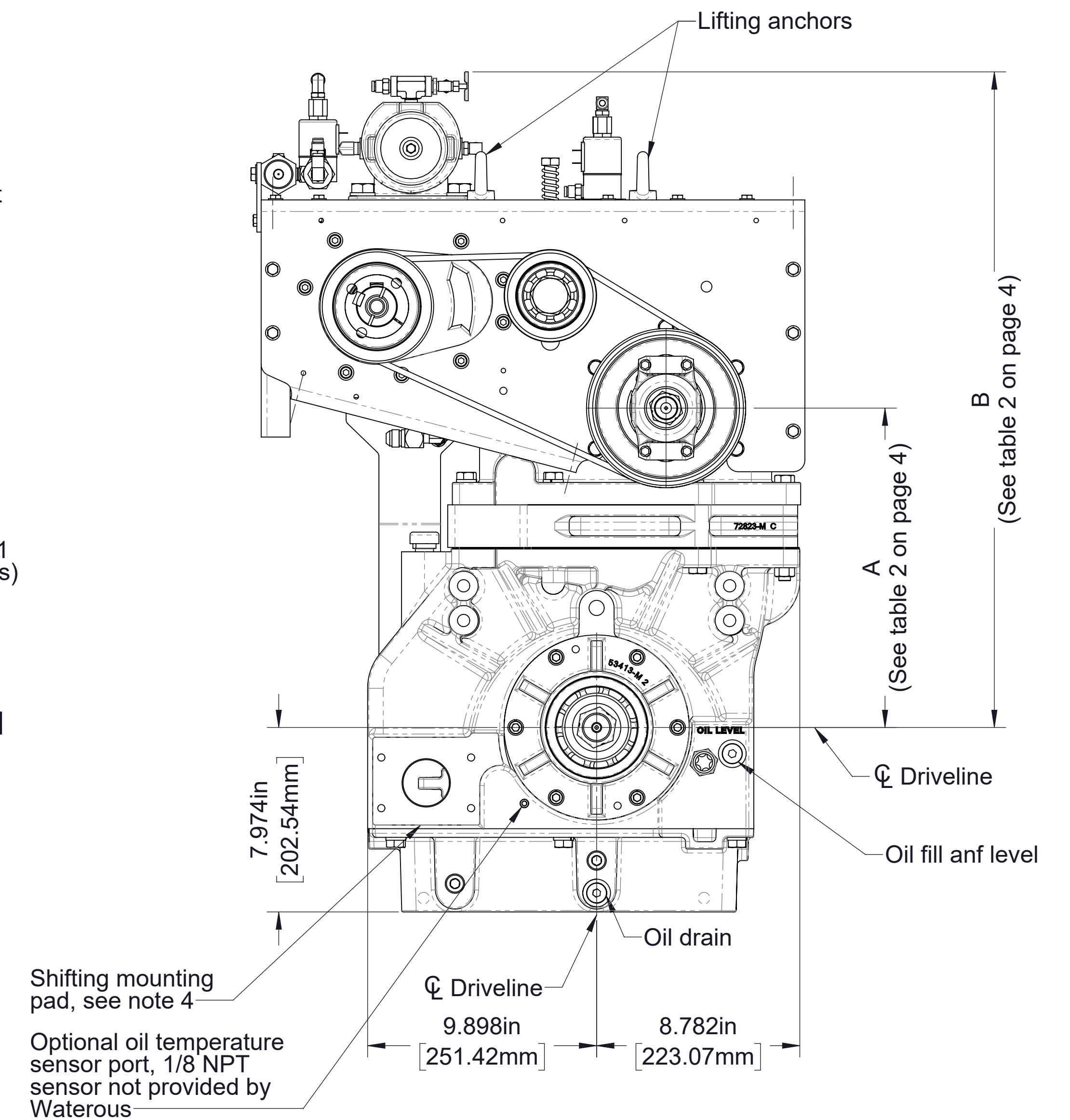
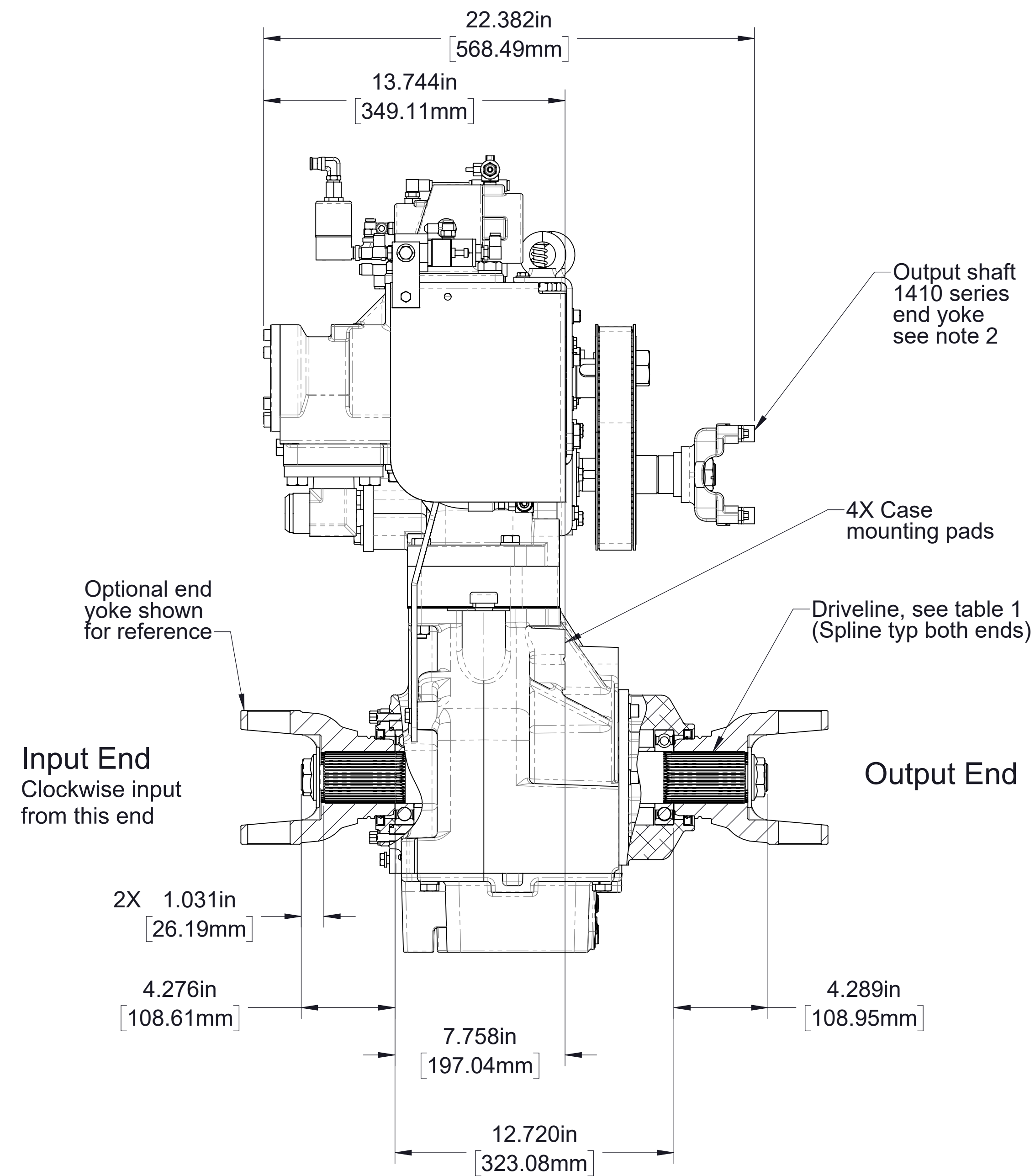
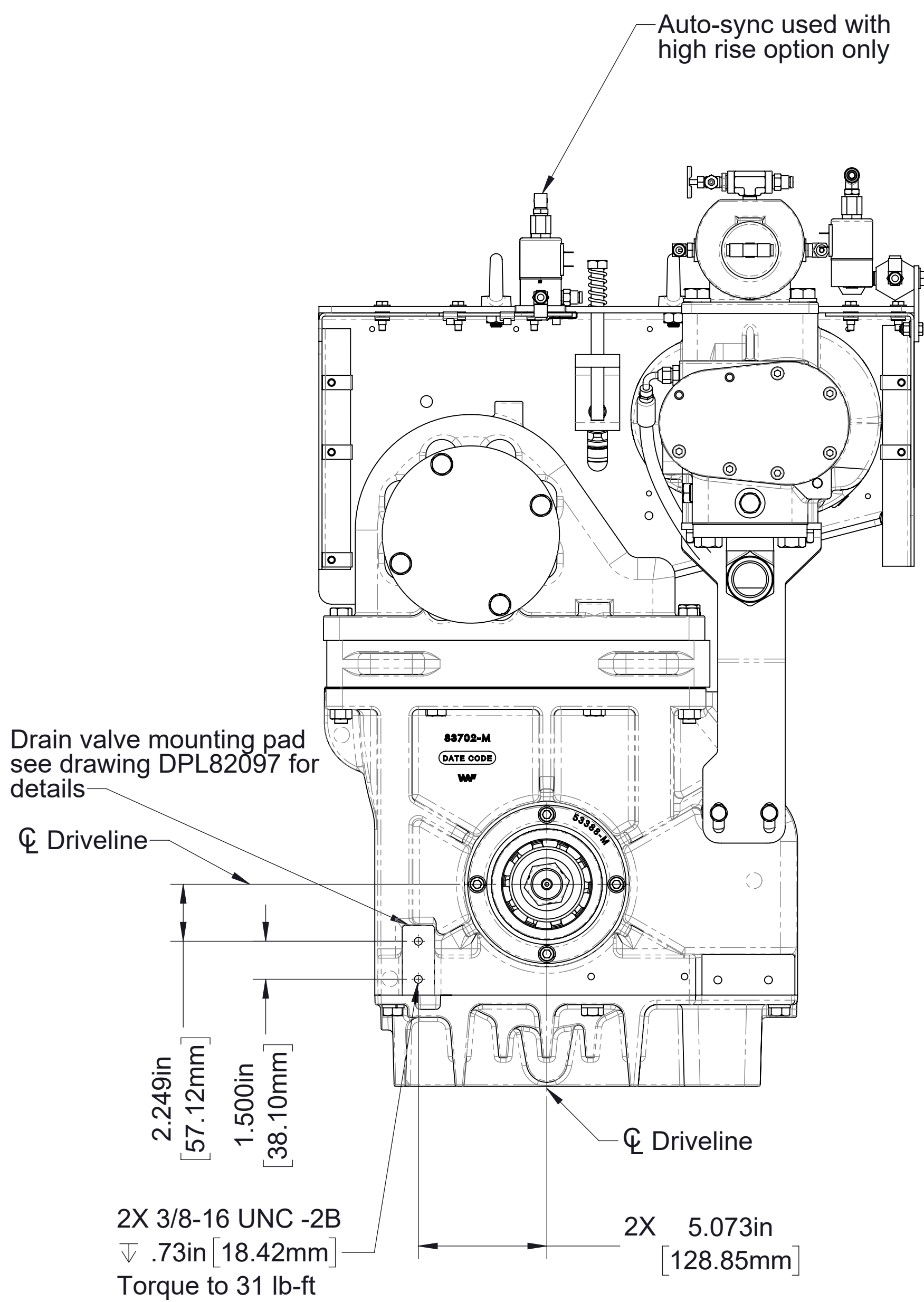
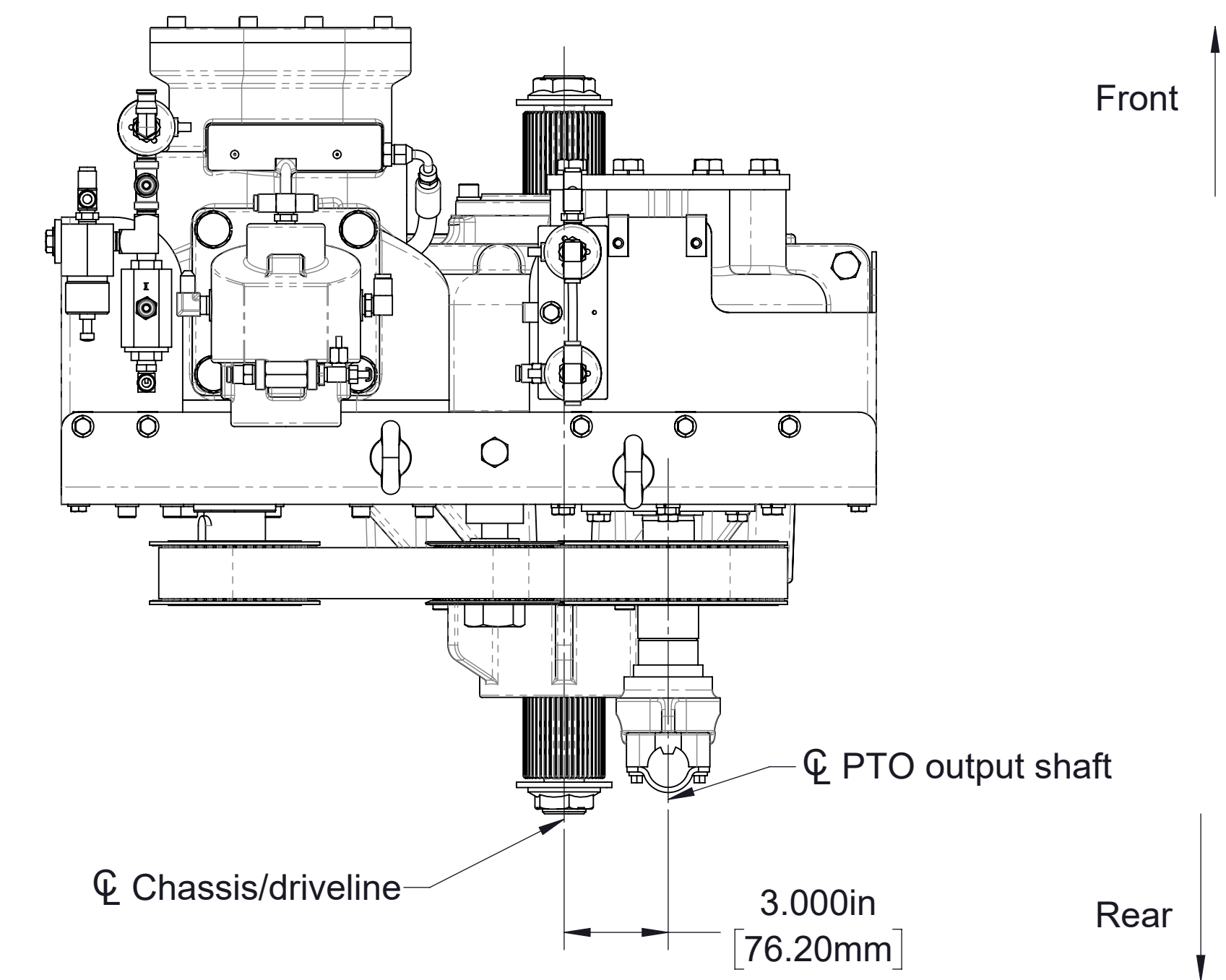
Oil Cooler/Filter

| Standard Components: | Page |
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| Table 1 - Available Driveline / Models | | | | | | | | |
|--|-----------|-------------------|--|-------------|-----------------------|------------------|-------------|---|
| Driveline | | | Optional End Yokes and Companion Flanges Available From Waterous | | | | | PTO Models |
| Type | Size | Spline | Yoke | | Cross and Bearing Kit | Companion Flange | | |
| | | | Spicer Series | Part Number | | Spicer Series | Part Number | |
| Extra Heavy Duty | 2.35 Inch | 2.35-46T Involute | 1710 | V 2837 | V 2839 | 1480/1610 | V 3719 | TC22B, TC22C, TC22D, TC22E, TC22F |
| | | | 1810 | V 2838 | V 2840 | 1710/1810 | V 3619 | |
| | | | SPL140 | V 3388 | V 3389 | | | |

Notes:

1. See table 2 on page 4 for available ratios.
2. Maximum drive shaft length: 45 inches.
Maximum u-joint angle: 3°.
3. See drawing DPL83920 for additional details of TC22 series PTO.
4. See drawing DPL82086 for shift details.

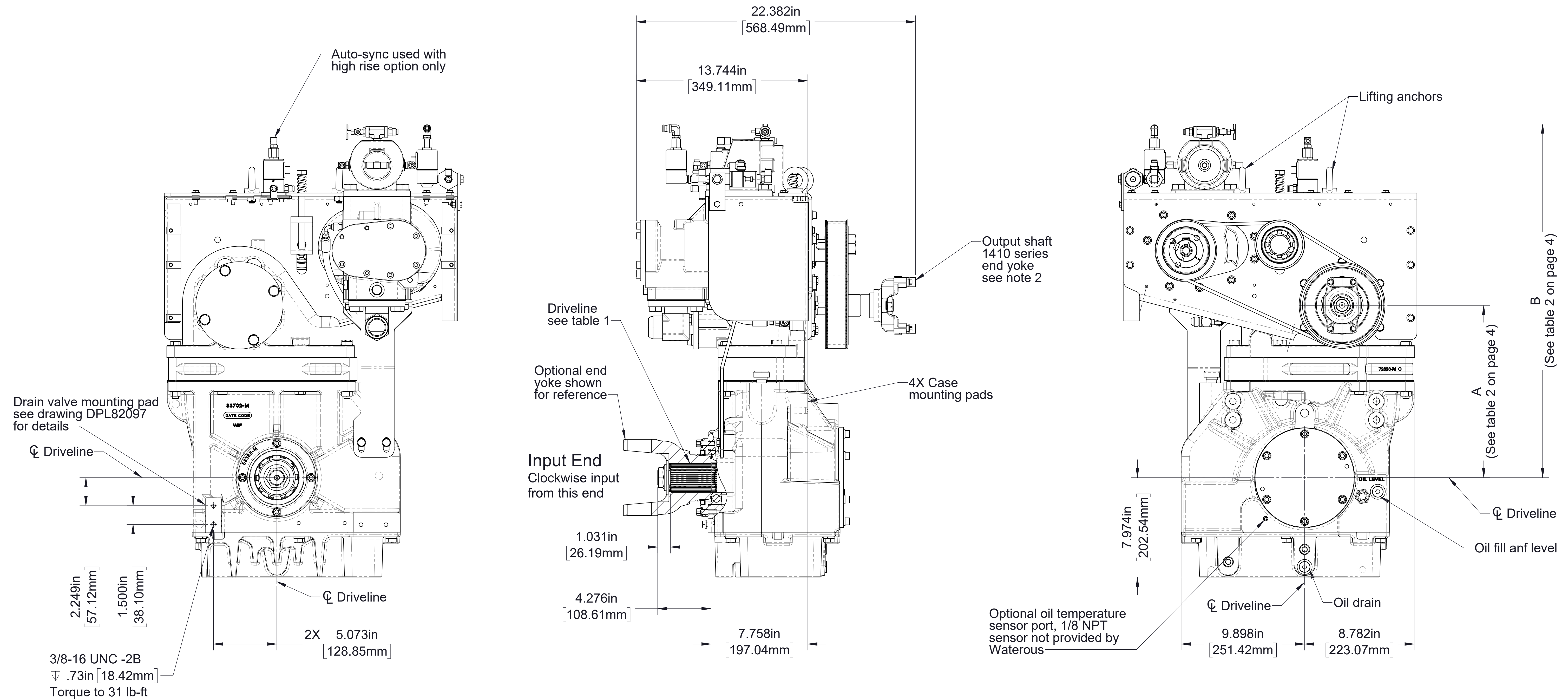
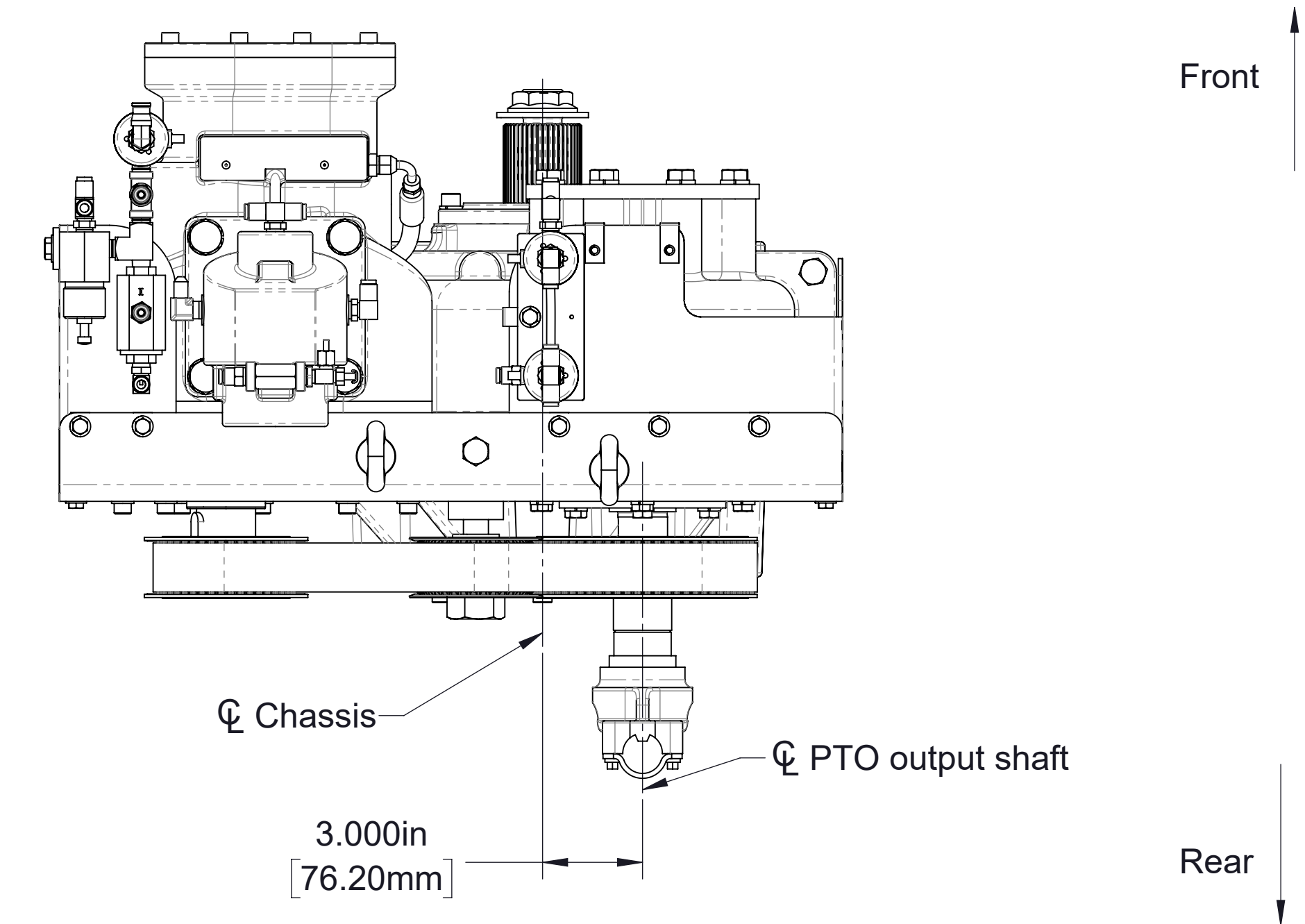


Input and Output Shaft Driveline

| Table 1 - Available Driveline / Models | | | | | | | | |
|--|-----------|-------------------|--|-------------|-----------------------|------------------|-------------|---|
| Driveline | | | Optional End Yokes and Companion Flanges Available From Waterous | | | | | PTO Models |
| Type | Size | Spline | Yoke | | Cross and Bearing Kit | Companion Flange | | |
| | | | Spicer Series | Part Number | | Spicer Series | Part Number | |
| Extra Heavy Duty | 2.35 Inch | 2.35-46T Involute | 1710 | V 2837 | V 2839 | 1480/1610 | V 3719 | TC22B, TC22C, TC22D, TC22E, TC22F |
| | | | 1810 | V 2838 | V 2840 | 1710/1810 | V 3619 | |
| | | | SPL140 | V 3388 | V 3389 | | | |

Notes:

1. See table 2 on page 4 for available ratios.
2. Maximum drive shaft length: 45 inches.
Maximum u-joint angle: 3°.
3. See drawing DPL83920 for additional details of TC22 series PTO.



Input Shaft Only Driveline

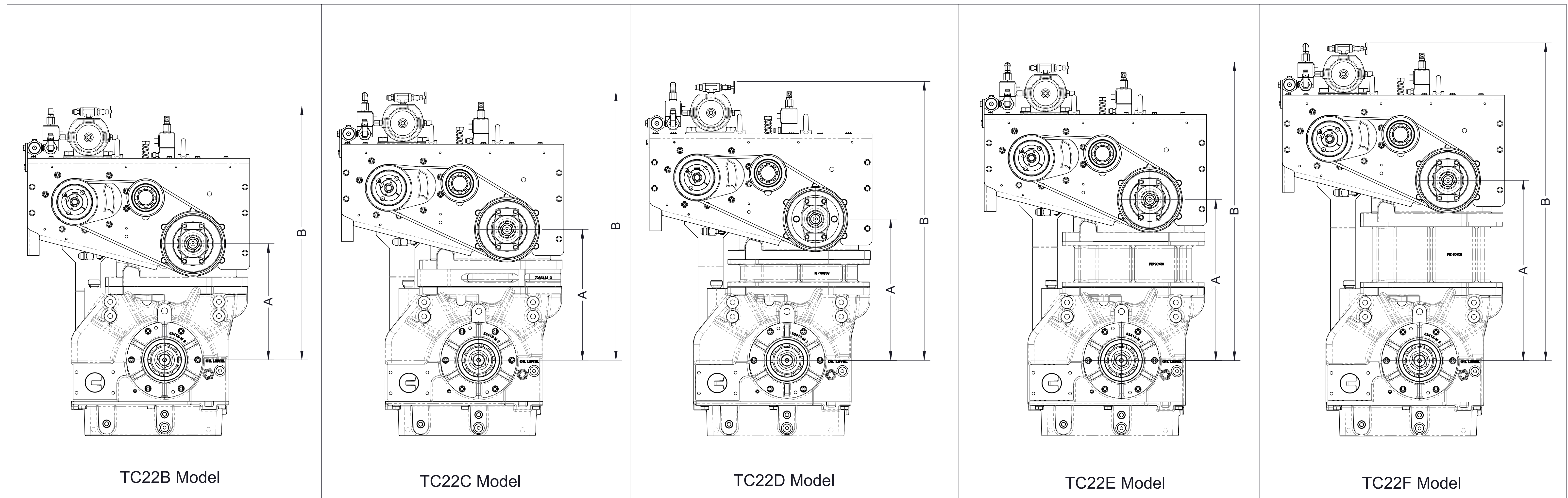
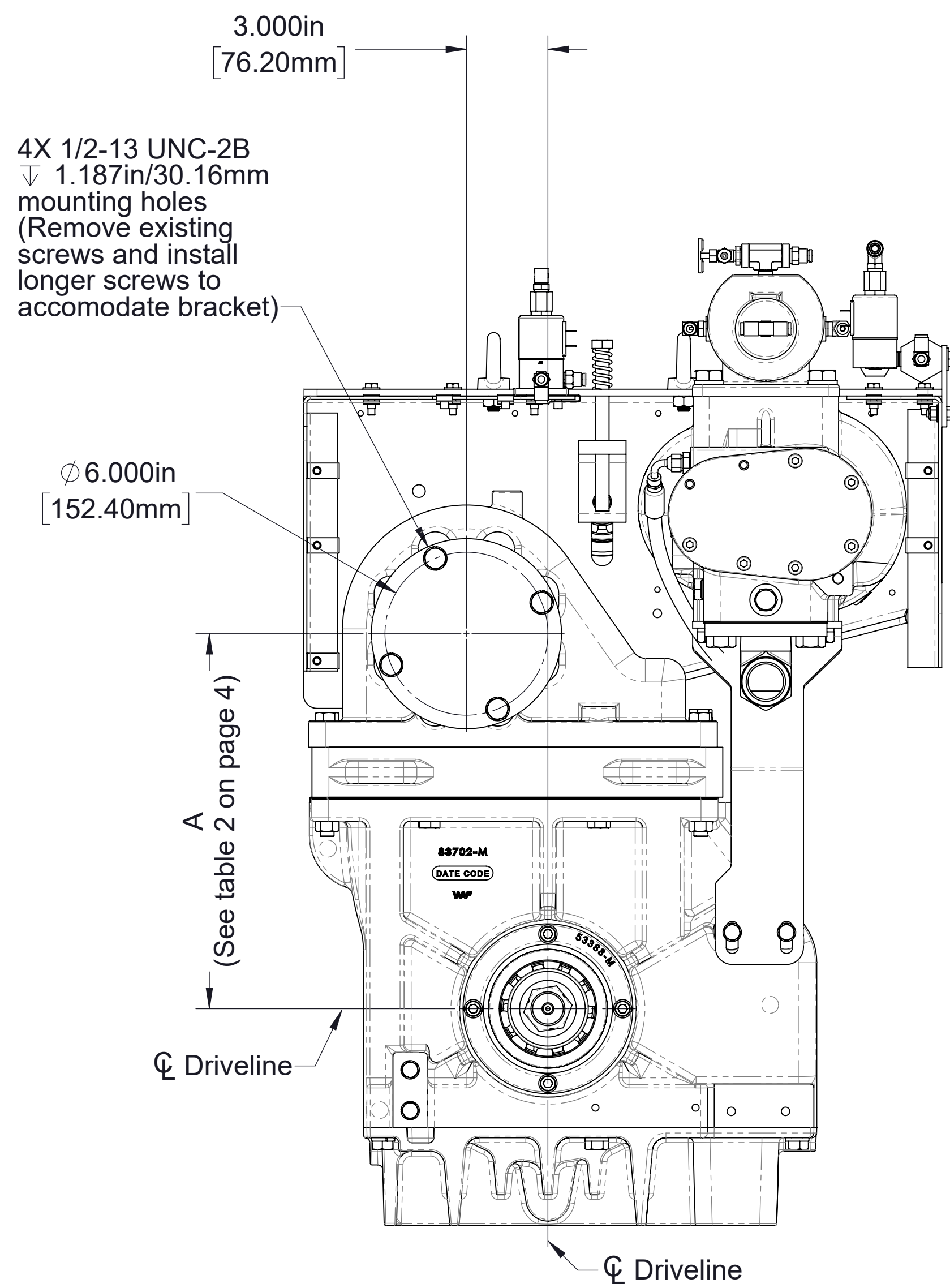


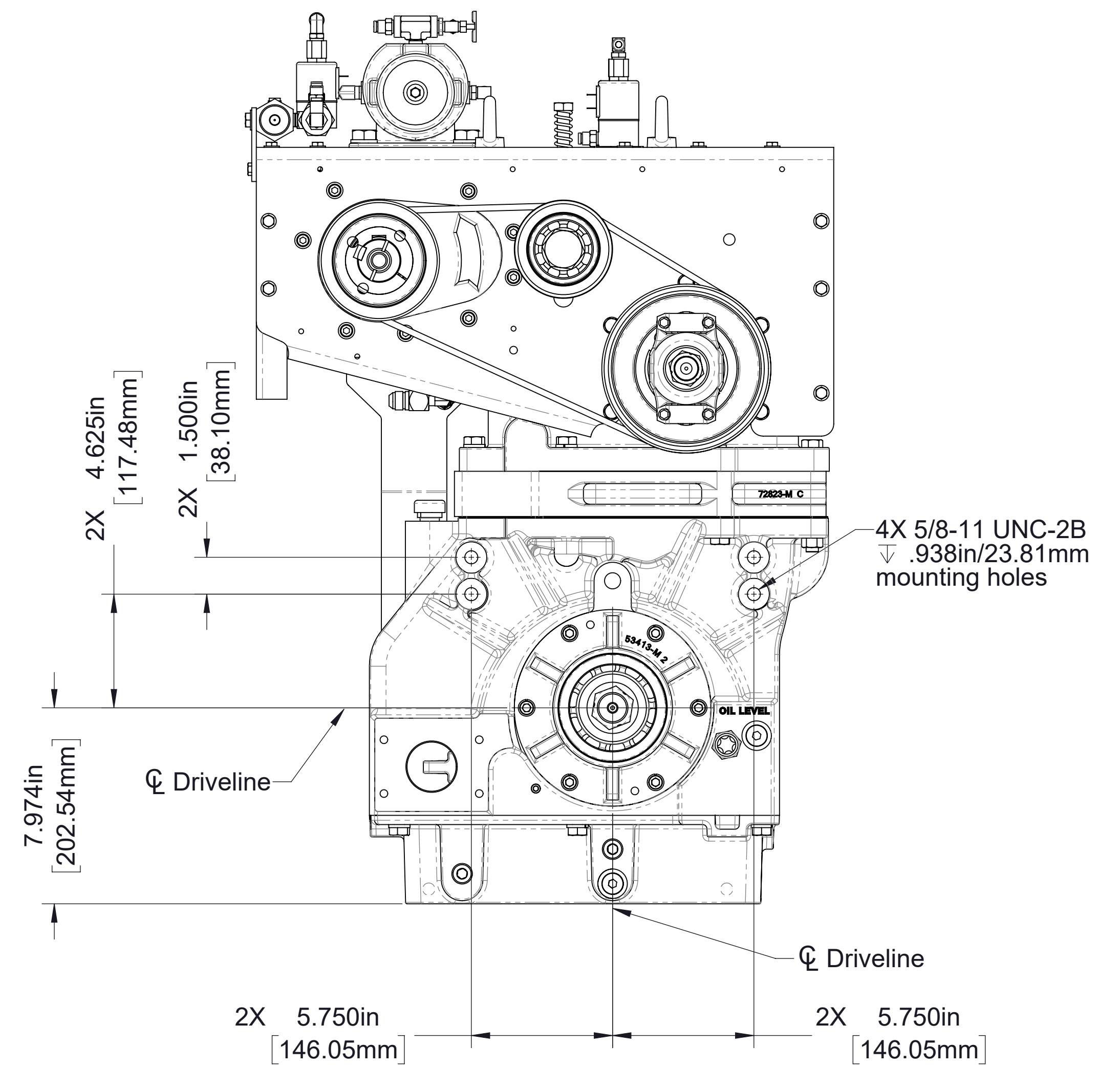
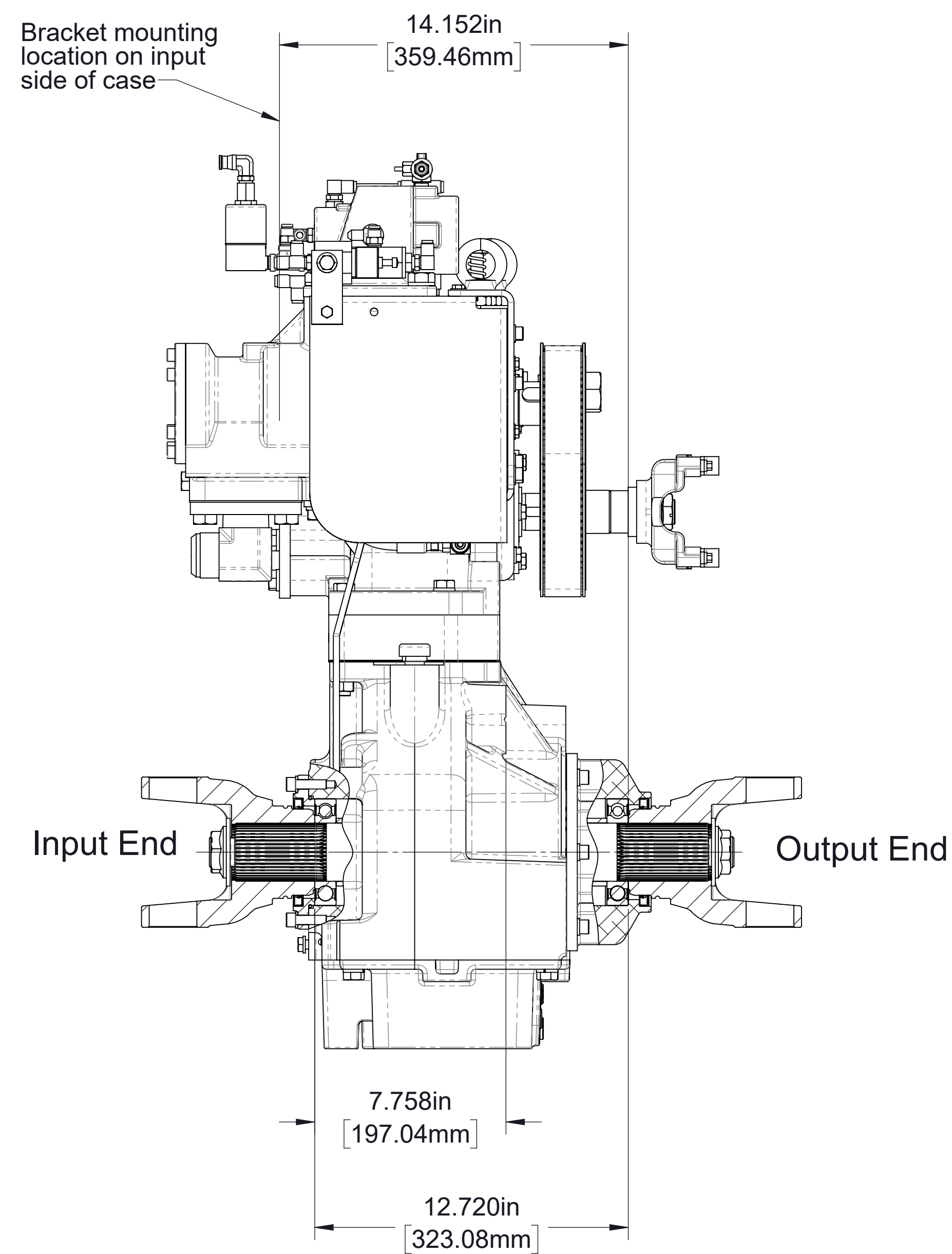
Table 2 - Available Ratios

| Drive to Driven Ratio | TC22B | | TC22C | | TC22D | | TC22E | | TC22F | |
|-----------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | Dimension A | Dimension B | Dimension A | Dimension B | Dimension A | Dimension B | Dimension A | Dimension B | Dimension A | Dimension B |
| 1.14 | 11.875/301.63 | 25.576/649.63 | 13.929/353.80 | 28.630/727.20 | 14.959/379.96 | 29.660/753.36 | 16.995/431.67 | 31.696/805.08 | 19.027/483.29 | 33.728/856.69 |
| 1.27 | 12.250/311.15 | 26.951/684.56 | 14.312/363.52 | 29.013/736.93 | 14.825/376.56 | 29.526/749.96 | 16.861/428.27 | 31.562/801.67 | 18.892/479.86 | 33.593/853.26 |
| 1.41 | 11.840/300.74 | 26.541/674.14 | 13.899/353.03 | 28.600/726.44 | 14.931/379.25 | 29.632/752.65 | 16.971/431.06 | 31.672/804.47 | 19.002/482.65 | 33.703/856.06 |
| 1.48 | 12.326/313.08 | 27.027/686.49 | 13.878/352.50 | 28.579/725.91 | 14.907/378.64 | 29.608/752.04 | 16.951/430.56 | 31.652/803.96 | 18.981/482.12 | 33.682/855.52 |
| 1.58 | 12.205/310.01 | 26.906/683.41 | 13.756/349.40 | 28.457/722.81 | 14.788/375.62 | 29.489/749.02 | 16.830/427.48 | 31.531/800.89 | 18.861/479.07 | 33.562/852.47 |
| 1.69 | 12.290/312.17 | 26.991/685.57 | 13.839/351.51 | 28.540/724.92 | 14.876/377.85 | 29.577/751.26 | 16.932/429.84 | 31.624/803.25 | 18.961/481.61 | 33.662/855.01 |
| 1.79 | 11.958/303.73 | 26.659/677.14 | 14.045/356.74 | 28.746/730.15 | 15.072/382.83 | 29.773/756.23 | 17.127/435.03 | 31.828/808.43 | 19.168/468.87 | 33.869/860.27 |
| 1.88 | 12.129/308.08 | 26.830/681.48 | 13.690/347.73 | 28.391/721.13 | 14.717/373.81 | 29.418/747.22 | 16.773/426.03 | 31.474/799.44 | 18.809/477.75 | 33.510/851.15 |
| 1.97 | 12.306/312.57 | 27.007/685.98 | 13.870/352.30 | 28.571/725.70 | 14.912/378.76 | 29.613/752.17 | 16.970/431.04 | 31.671/804.44 | 19.012/482.90 | 33.713/856.31 |
| 2.03 | 11.896/302.16 | 26.597/675.56 | 13.984/355.19 | 28.685/728.60 | 15.028/381.71 | 29.729/755.12 | 17.086/433.98 | 31.787/807.39 | 19.132/485.95 | 33.833/859.36 |
| 2.27 | 12.240/310.30 | 26.941/684.30 | 13.811/350.80 | 28.512/724.20 | 14.856/377.34 | 29.557/750.75 | 16.920/429.77 | 31.621/803.17 | 18.971/481.86 | 33.672/855.27 |
| 2.46 | 11.941/303.30 | 26.642/676.71 | 14.042/356.67 | 28.743/730.07 | 15.087/383.21 | 29.788/756.62 | 17.154/435.71 | 31.855/809.12 | 19.205/487.81 | 33.906/861.21 |
| 2.68 | 12.169/309.09 | 26.870/682.50 | 13.746/349.15 | 28.447/722.55 | 14.793/375.74 | 29.494/749.15 | 16.865/428.37 | 31.566/801.78 | 18.923/480.64 | 33.624/854.05 |

All dimensions shown as inch/millimeter

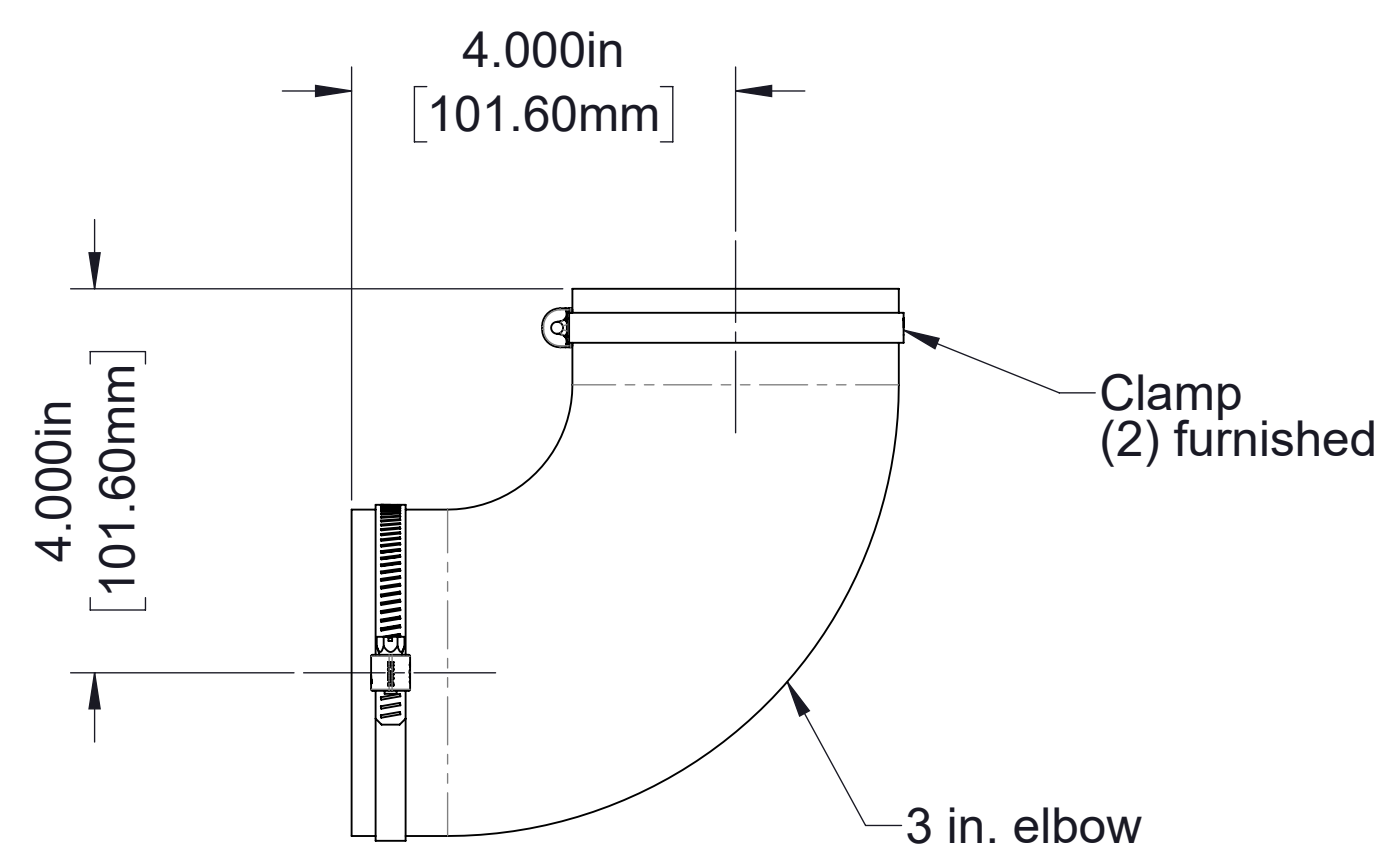
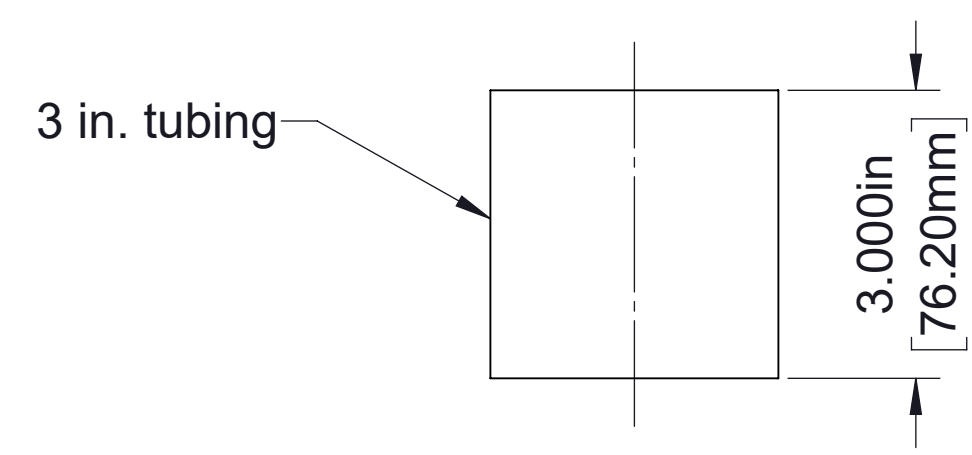
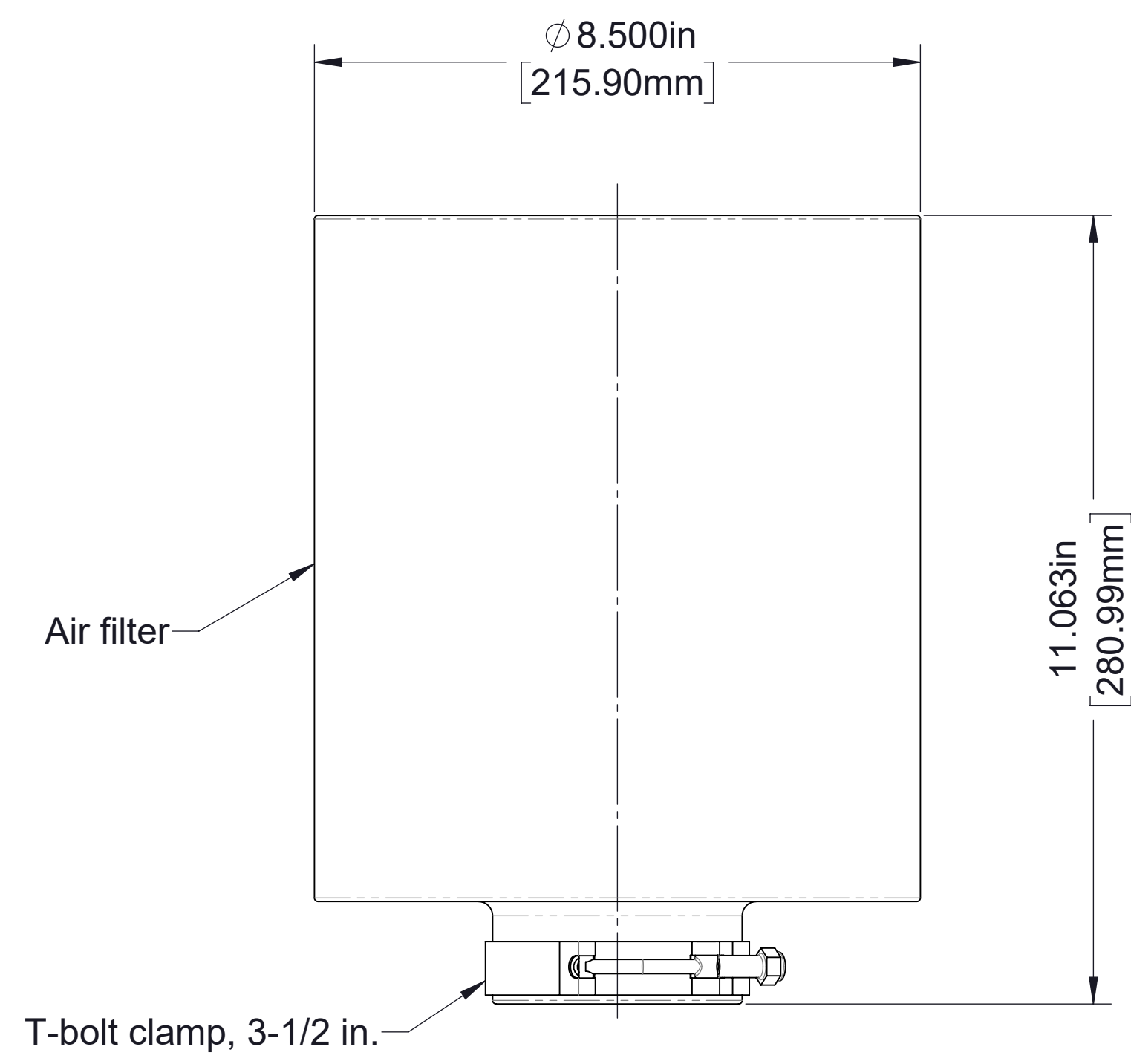


Input Side of Case

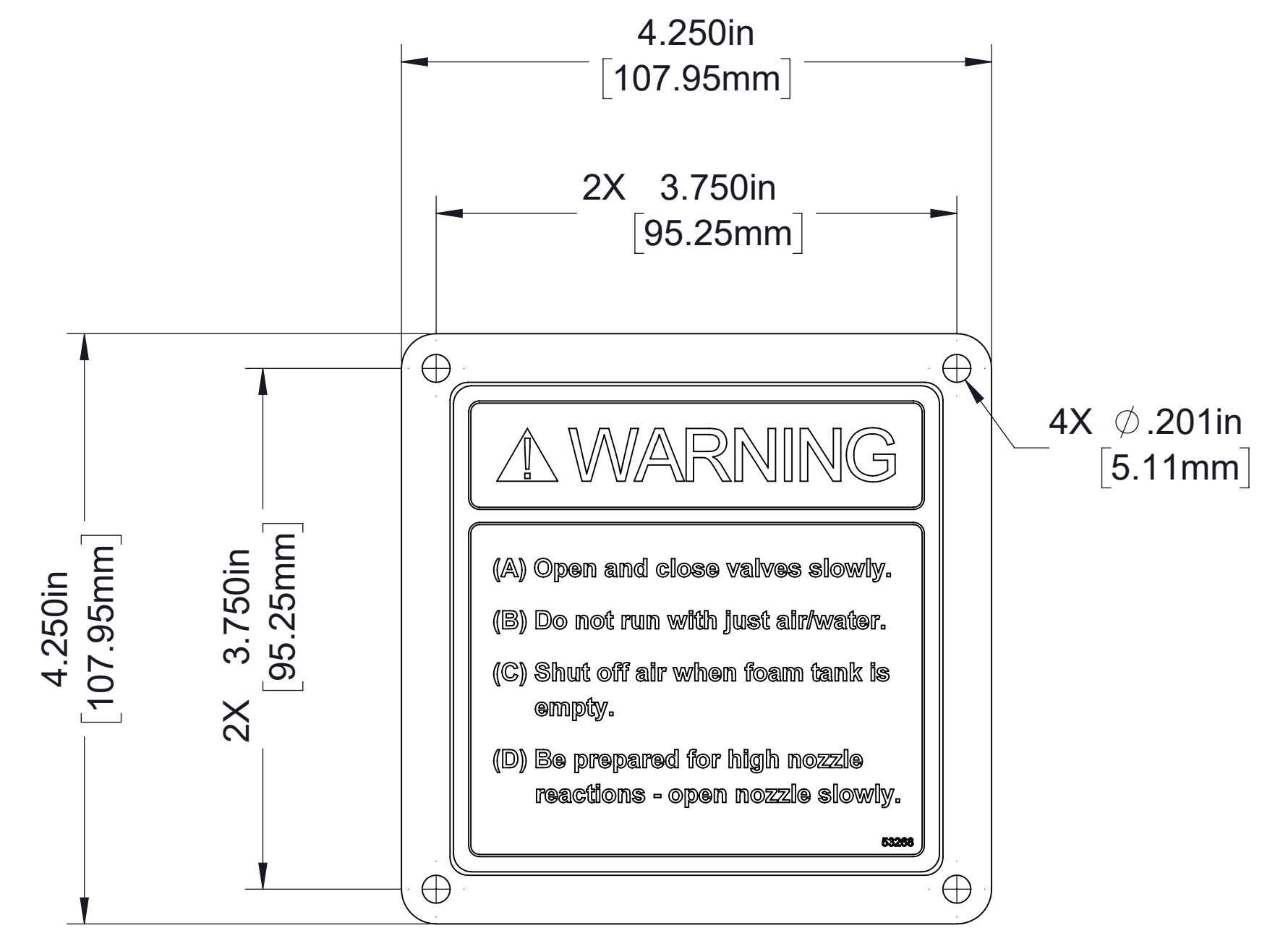


Output Side of Case

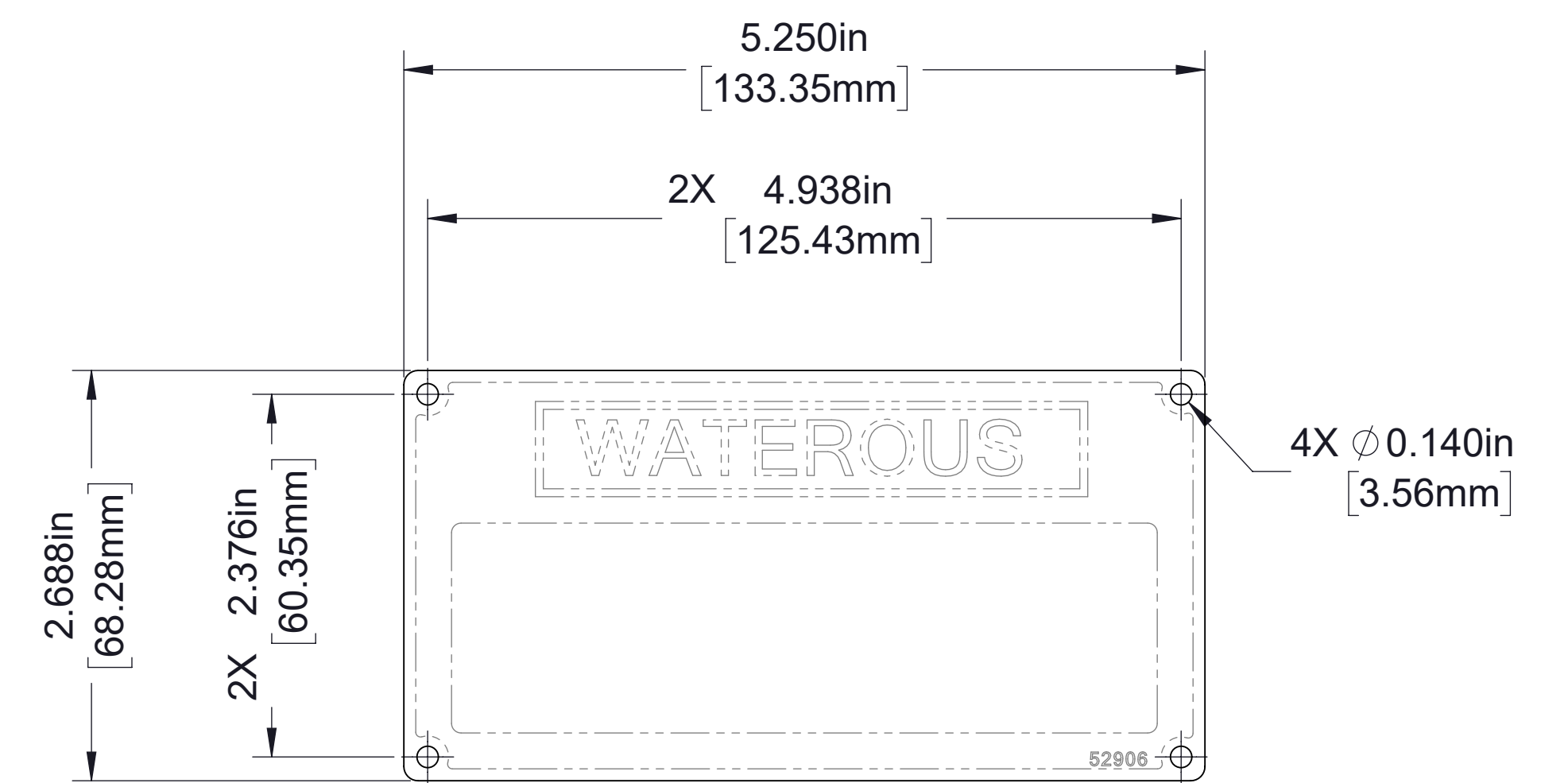
Mounting Bracket Attachment Locations
Brackets not furnished by Waterous



Air Filter

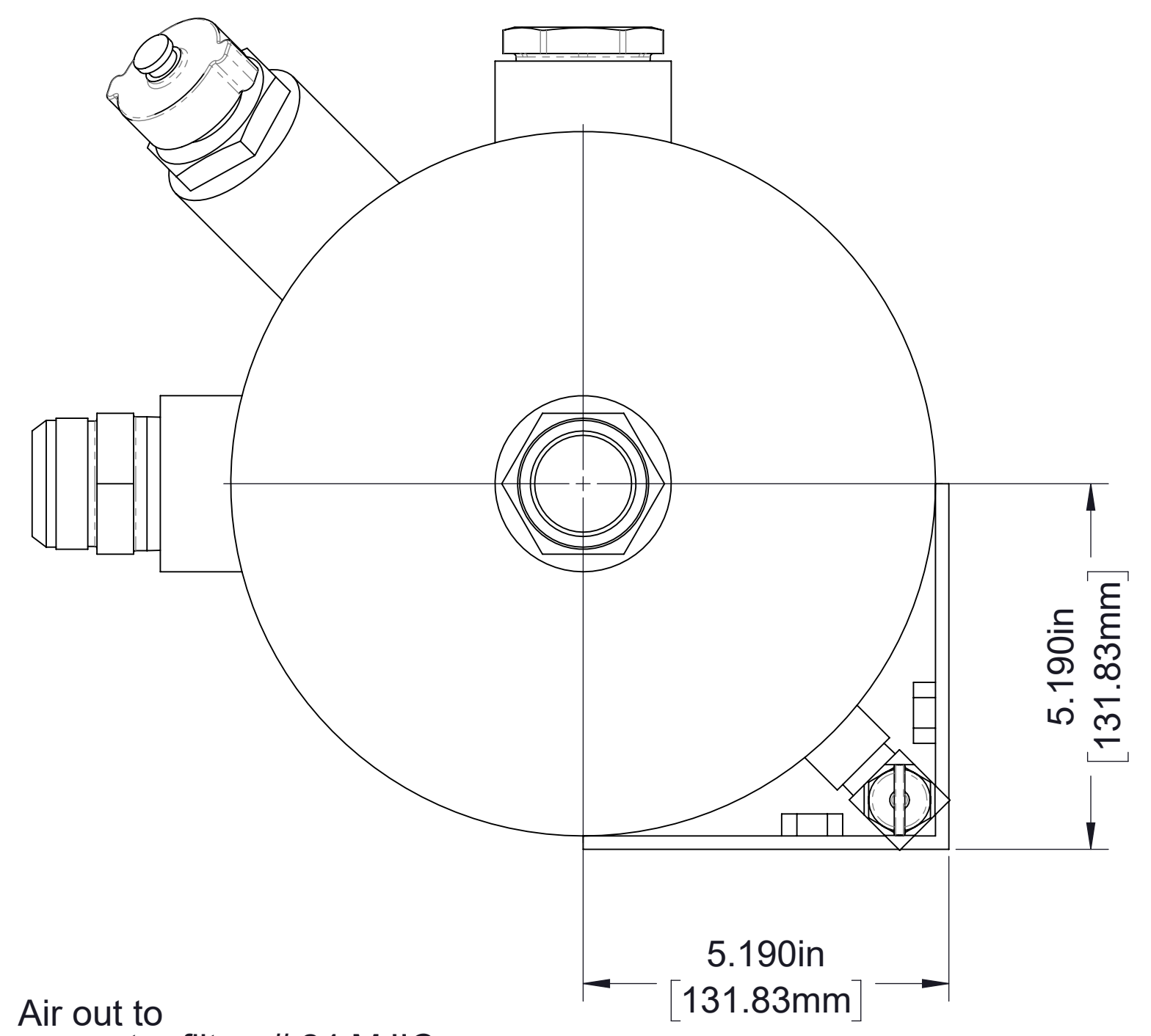


CAFS Warning



Serial Plate

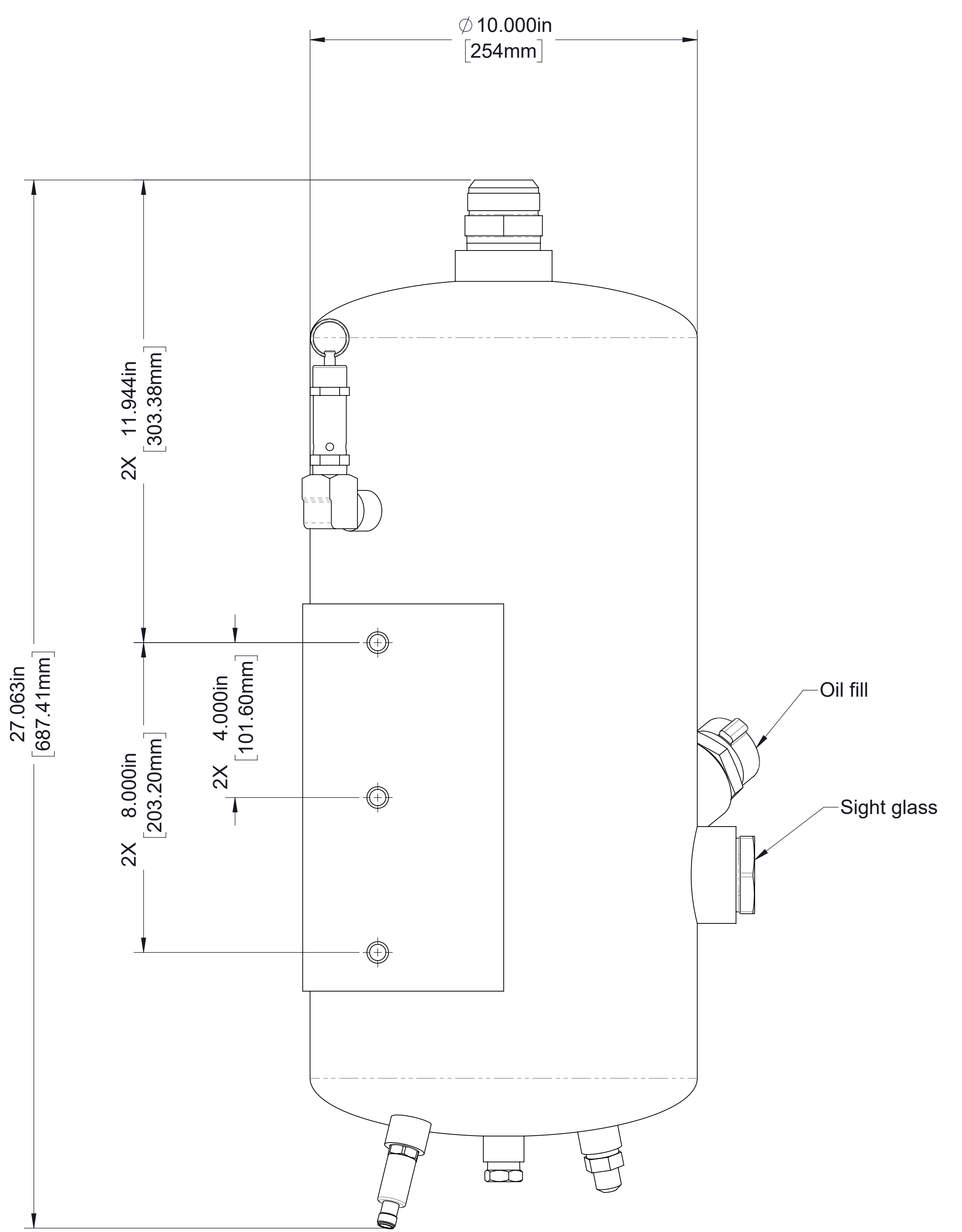
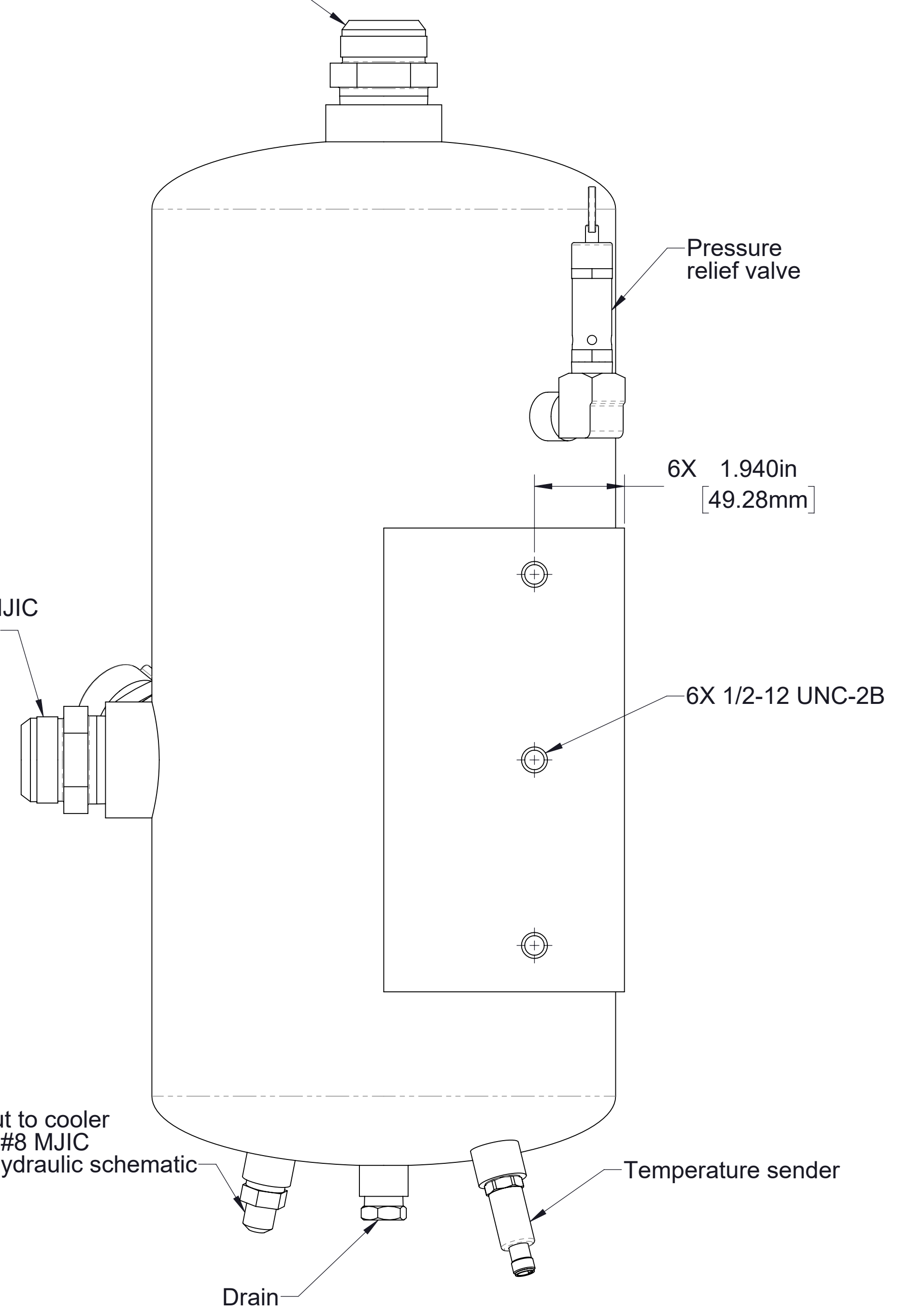
Panel Plates



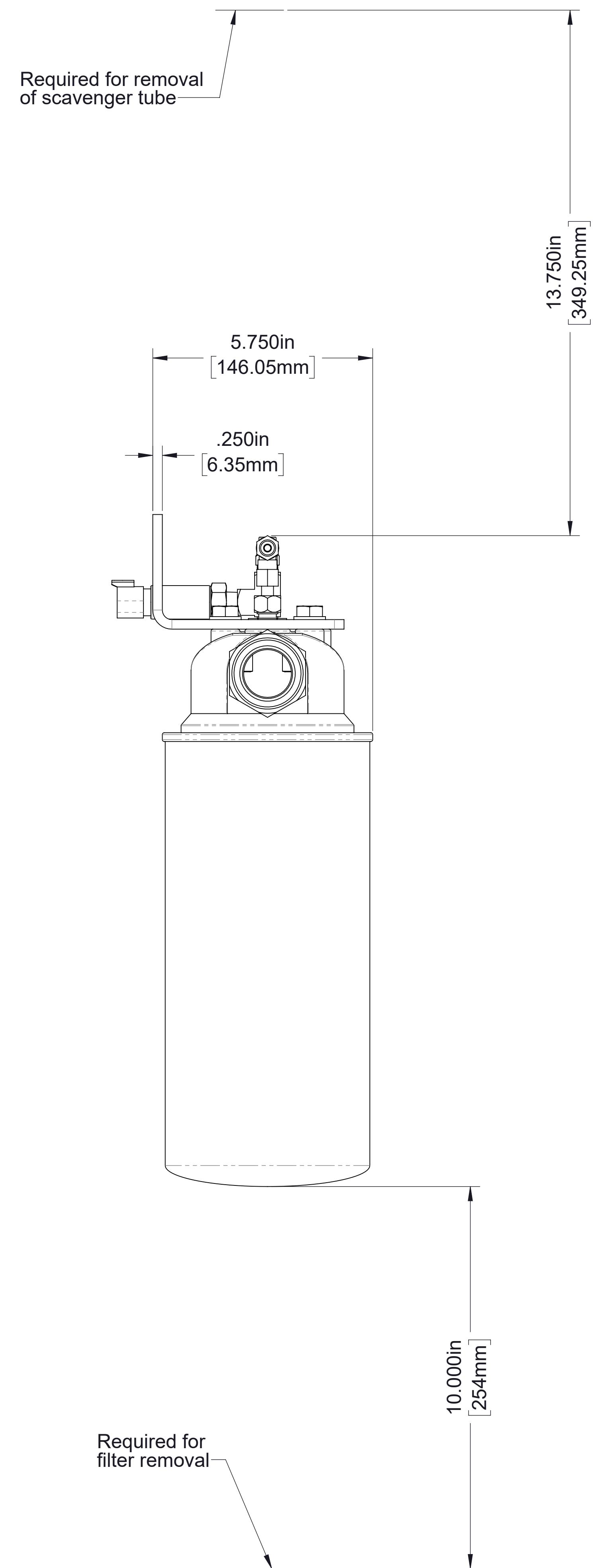
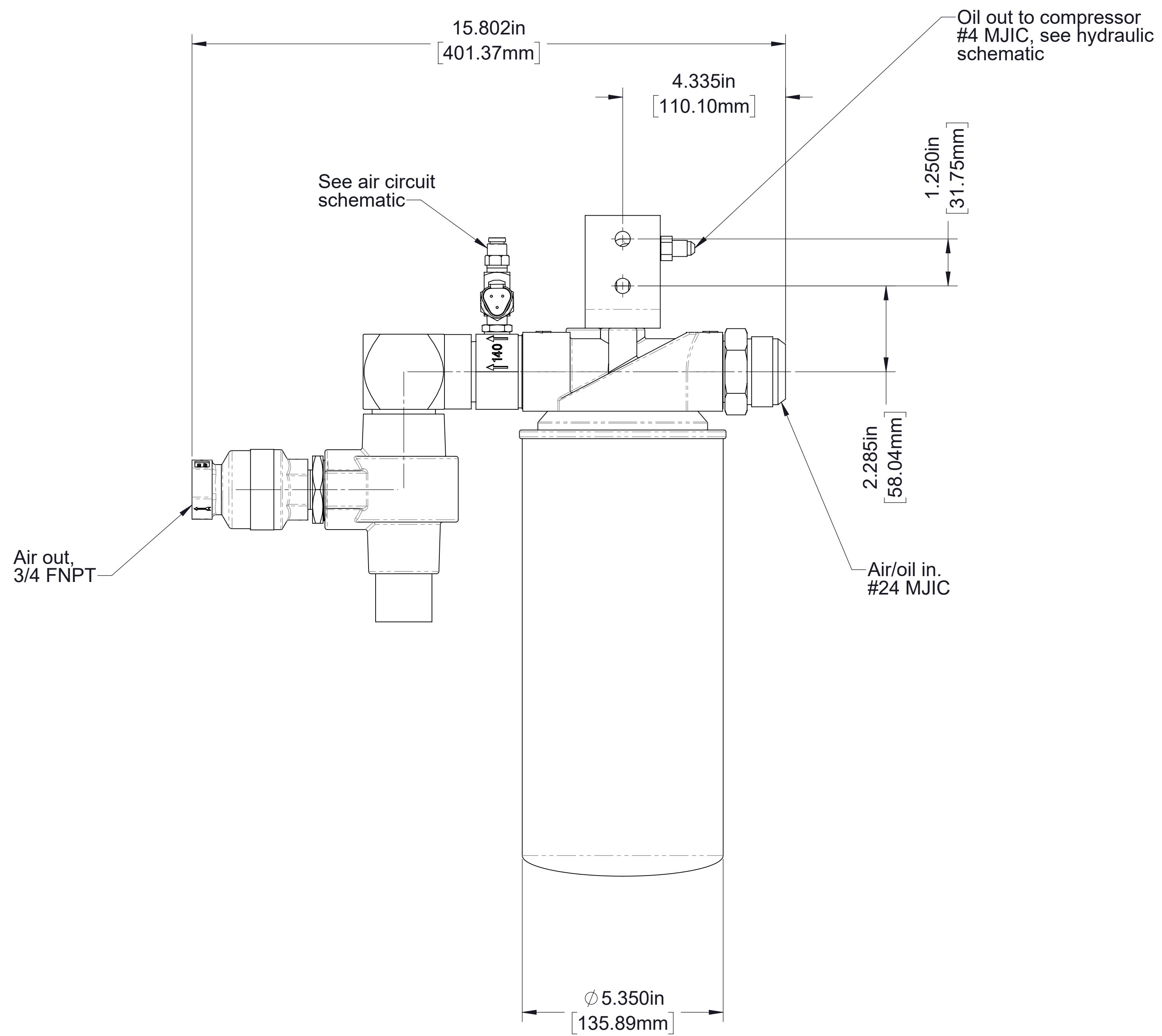
Air out to separator filter, # 24 MJIC see hydraulic schematic

Air/oil in from compressor, #24 MJIC see hydraulic schematic

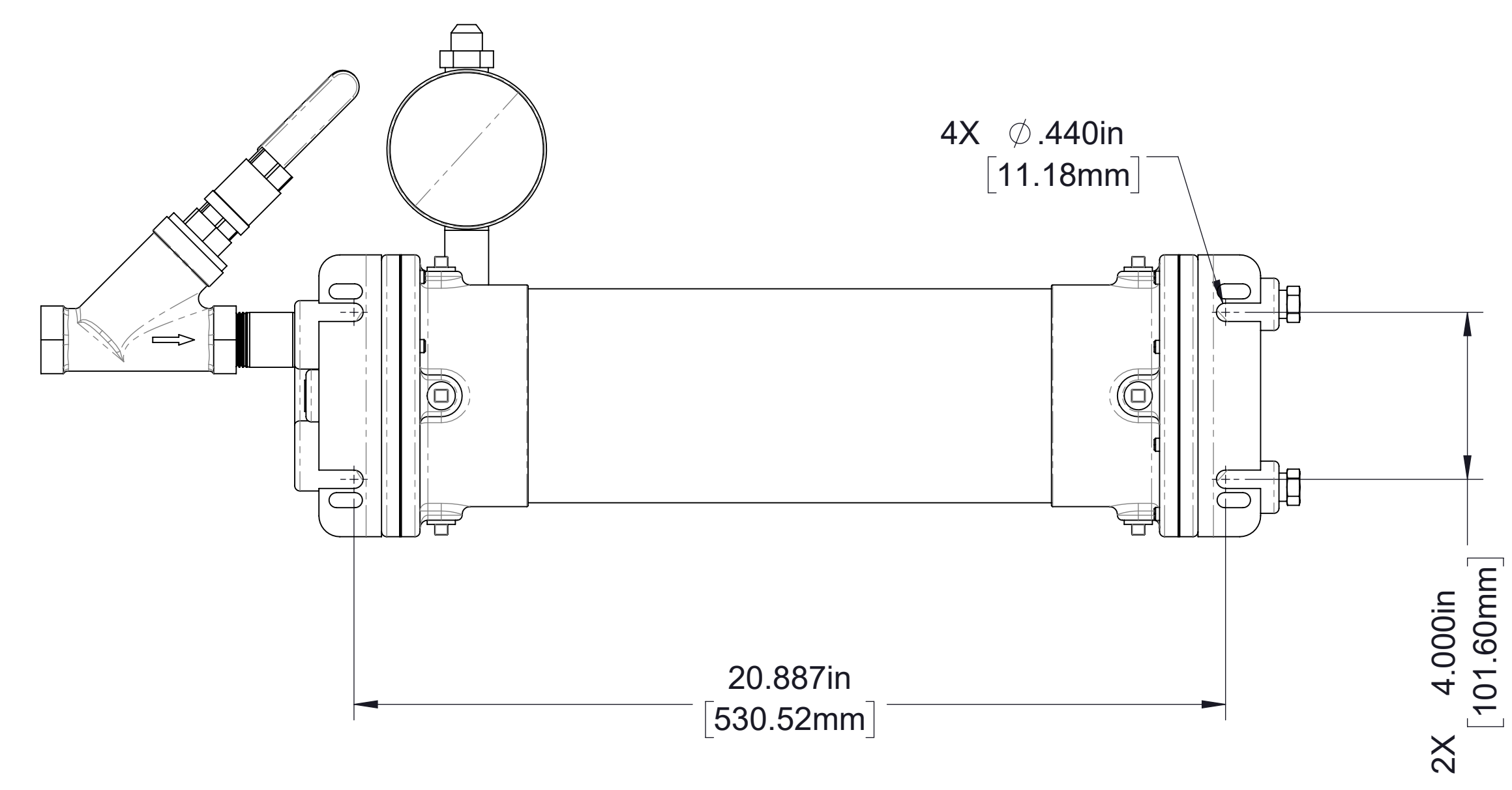
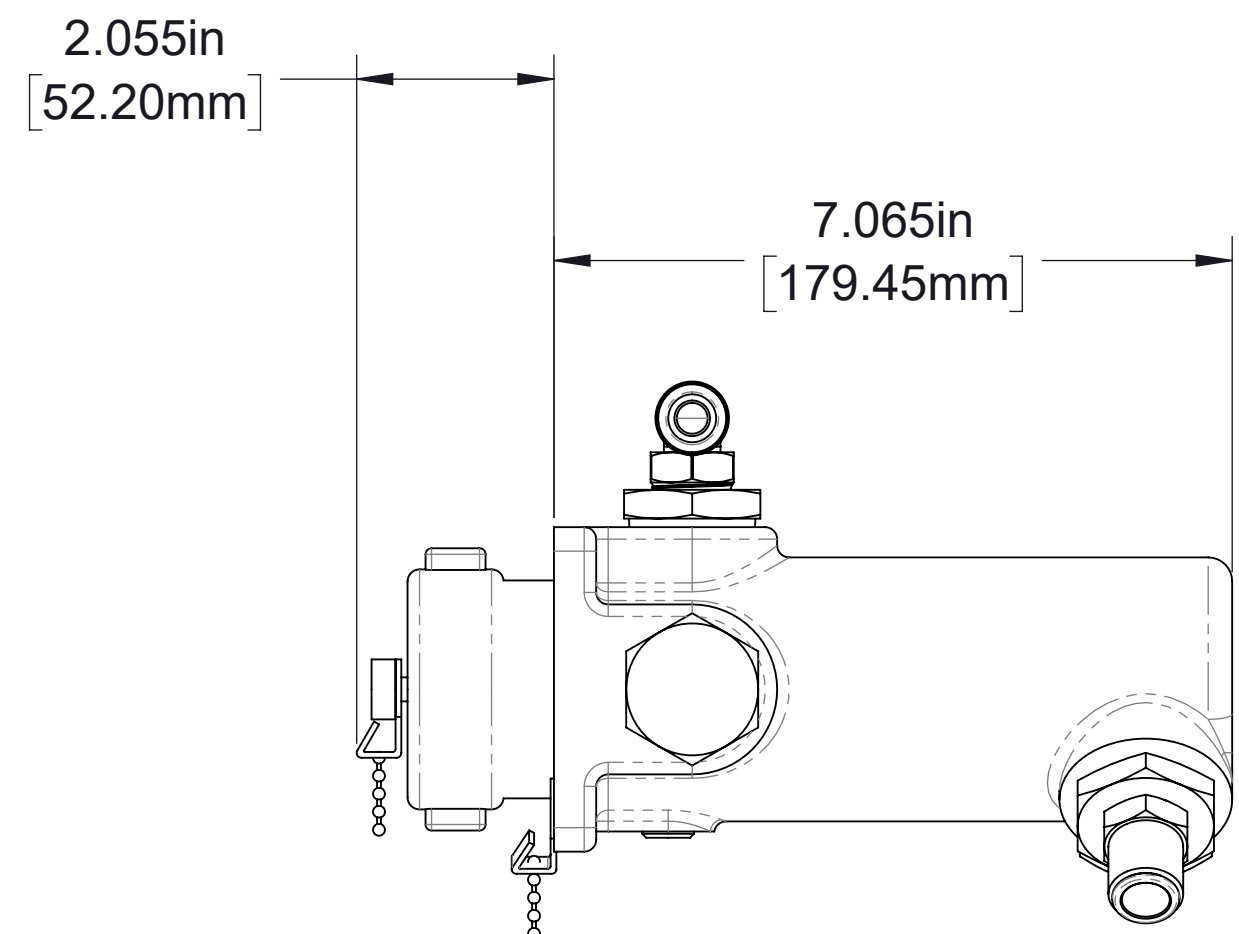
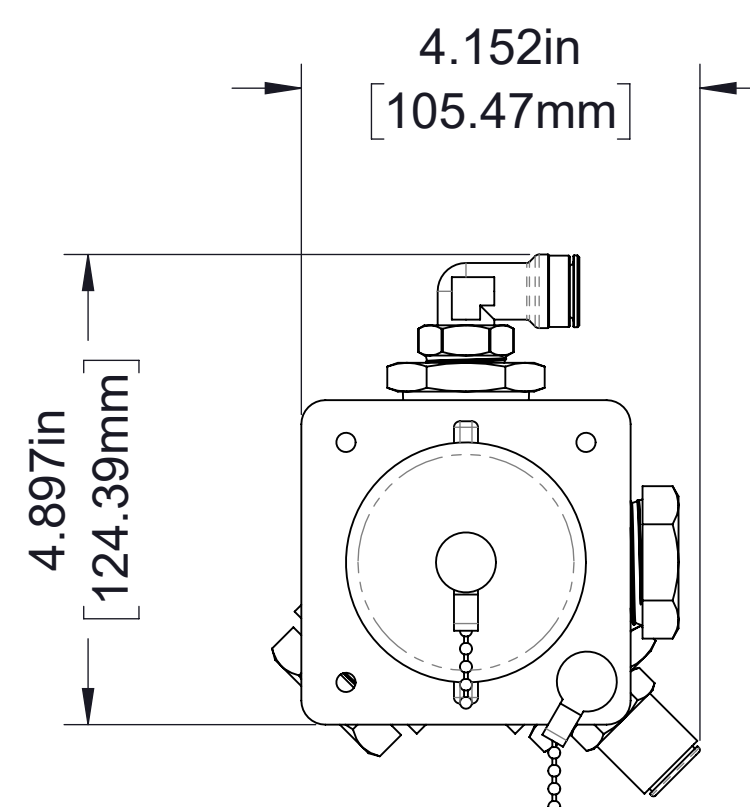
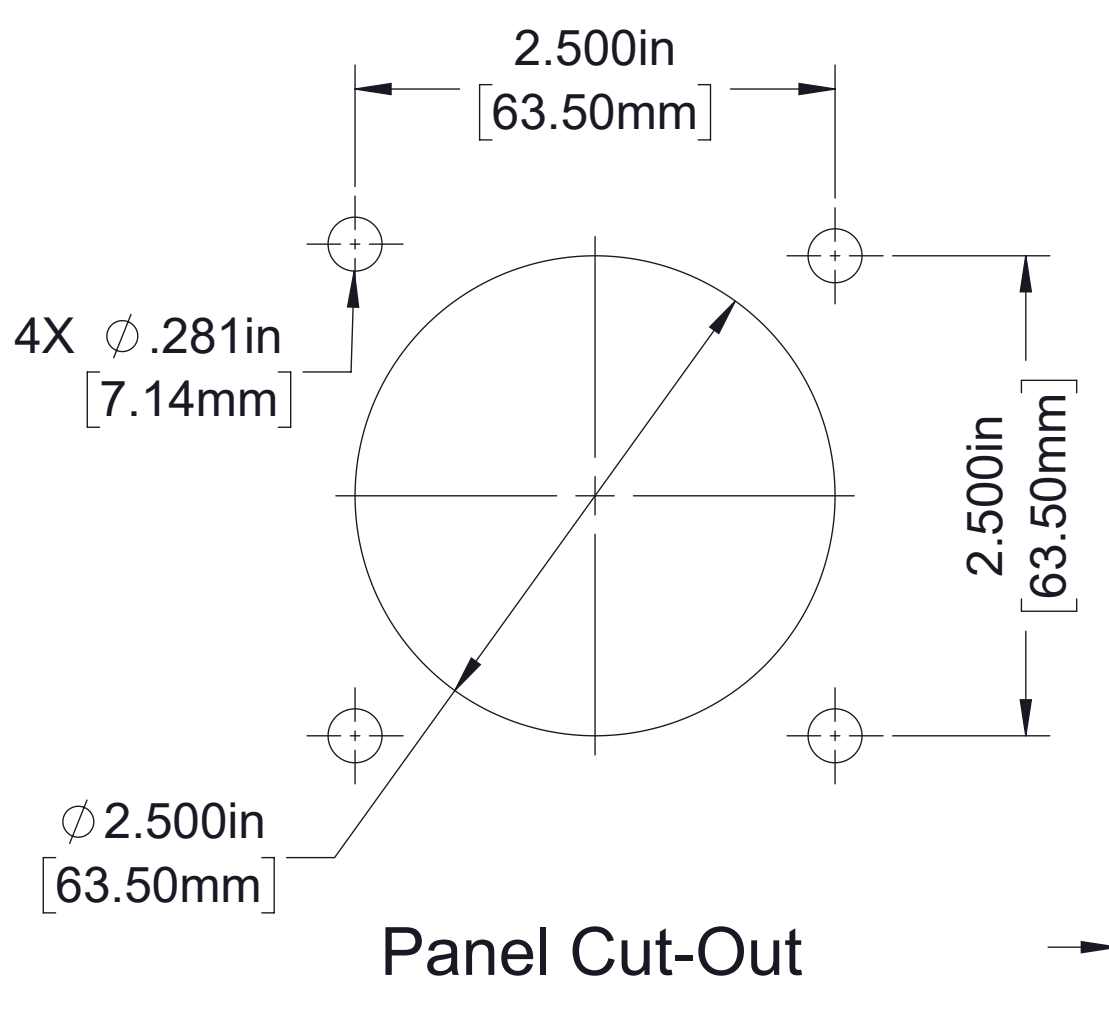
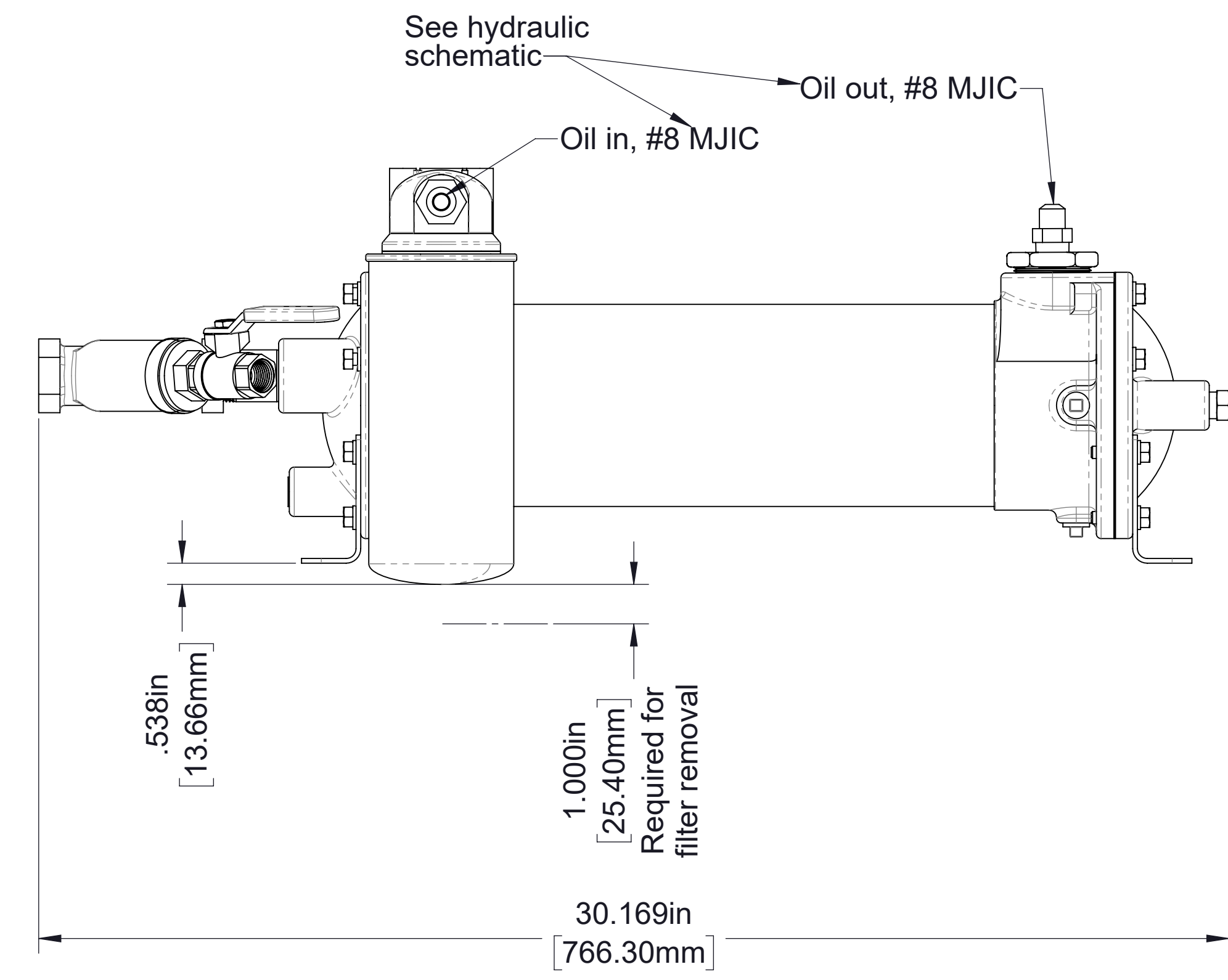
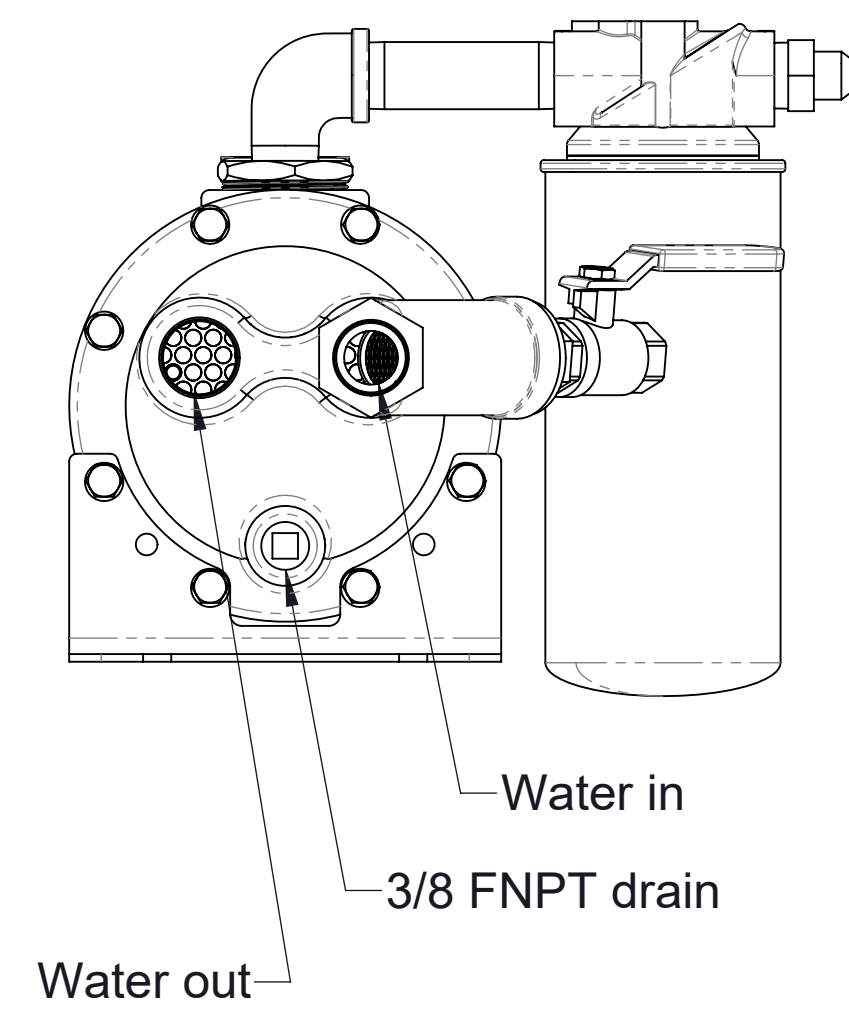
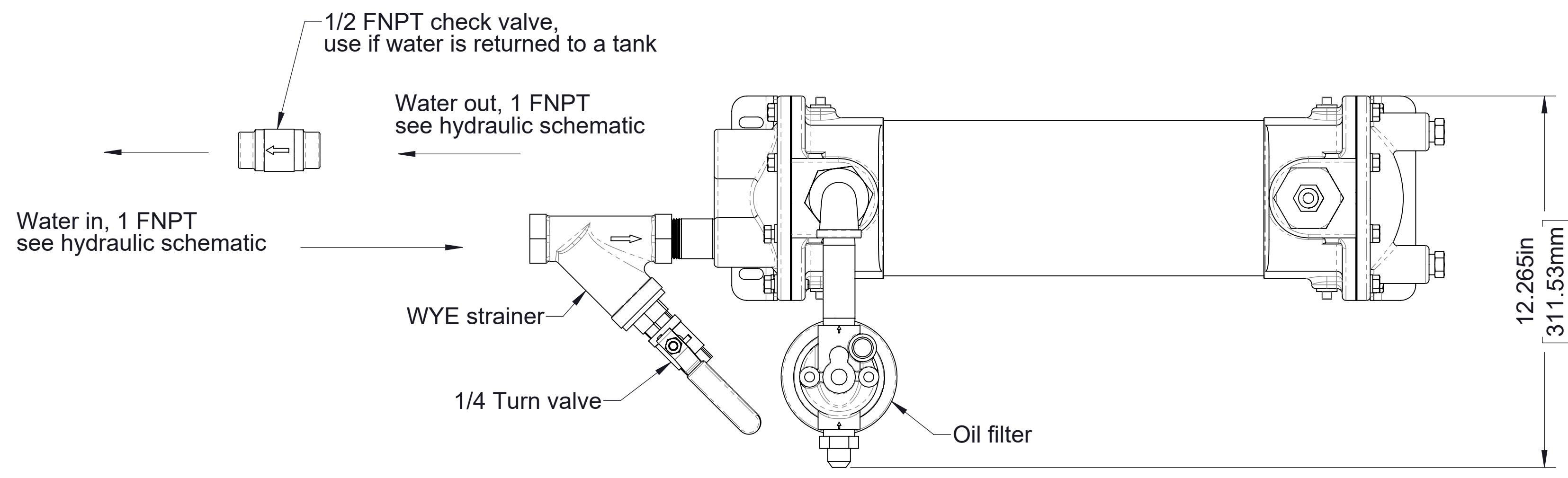
Oil out to cooler filter, #8 MJIC see hydraulic schematic



Sump (Oil Reservoir)

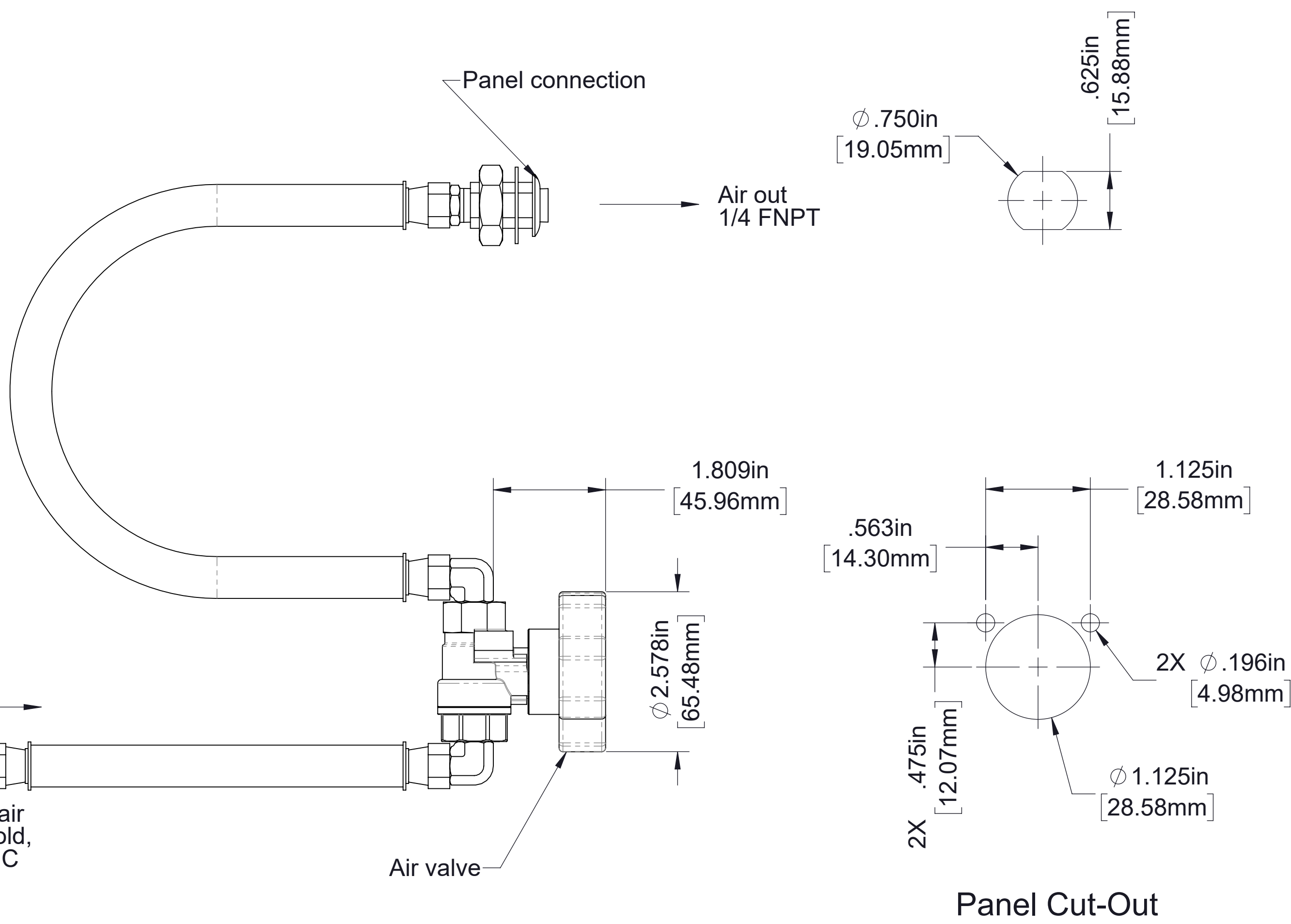
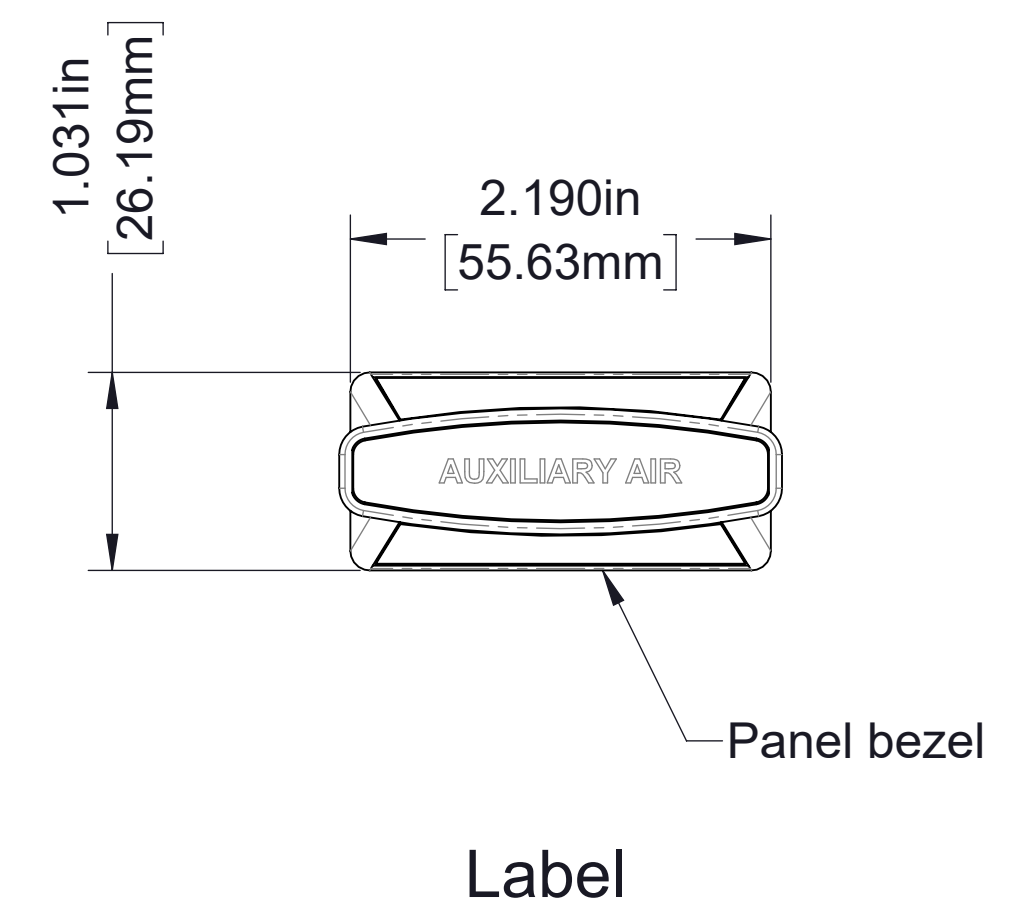
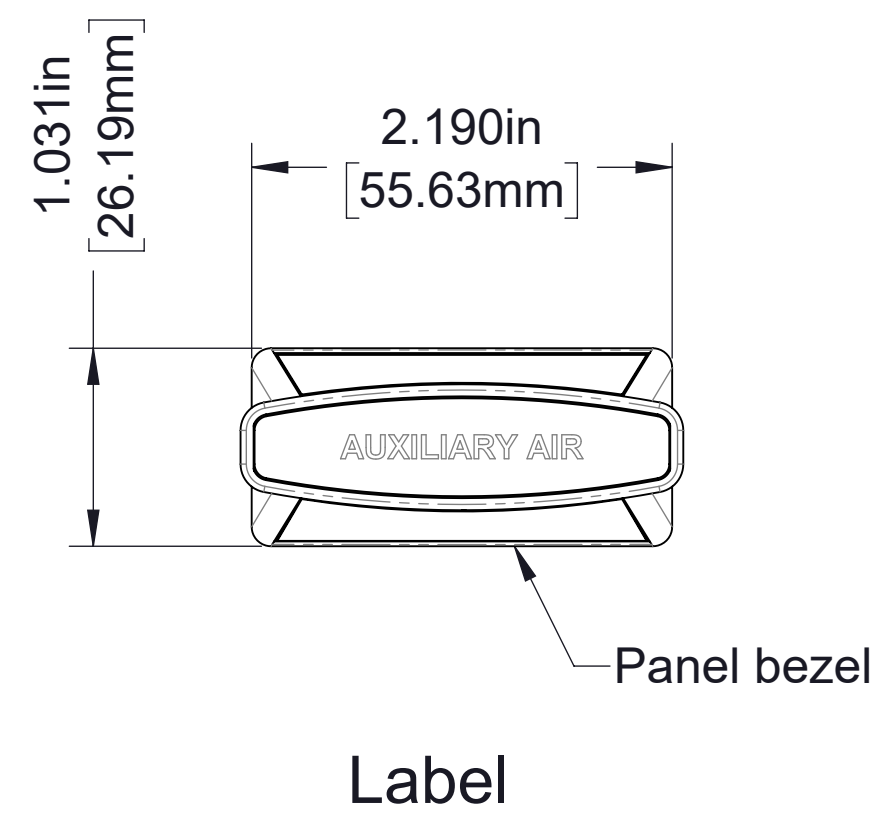


Separator Filter

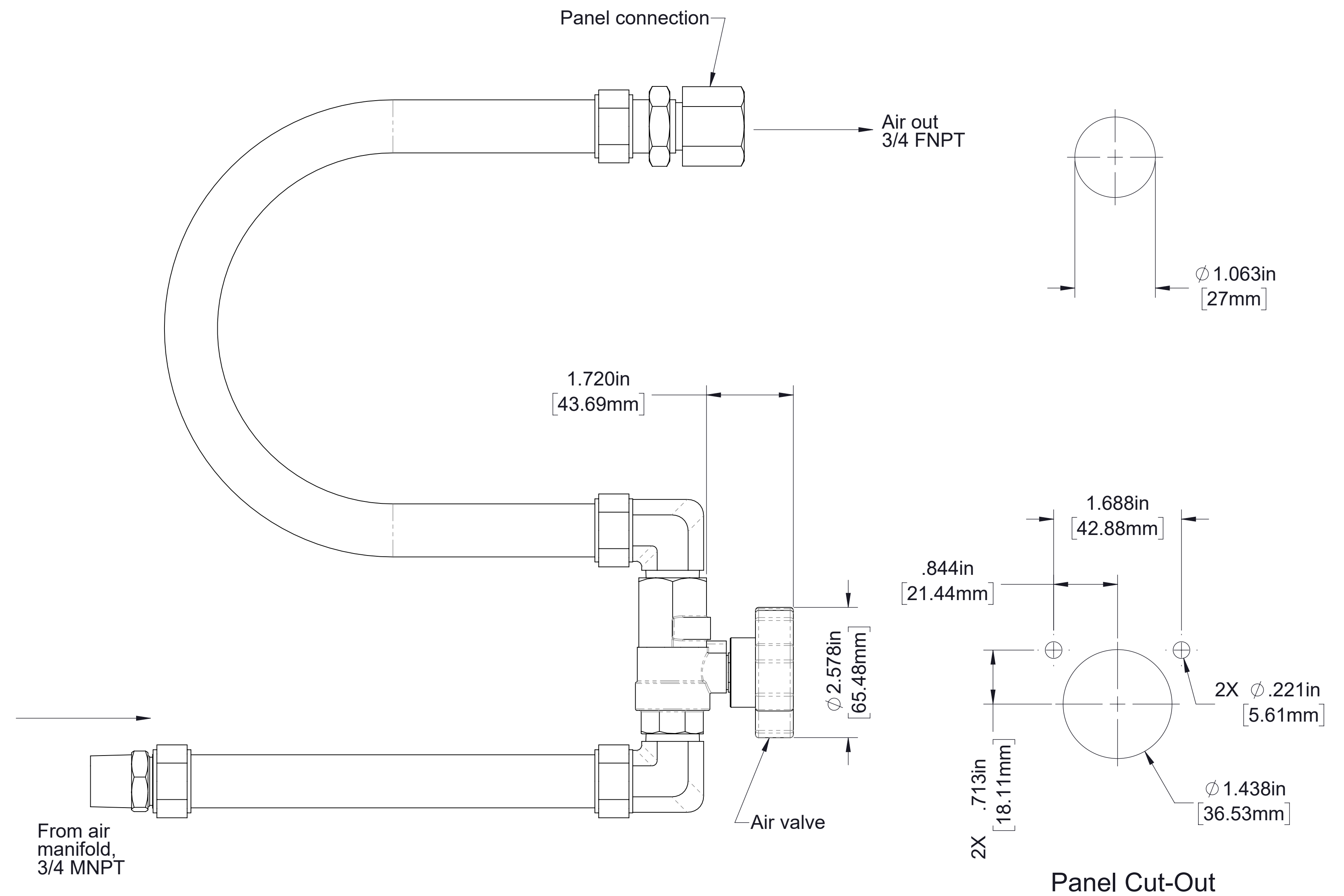


Optional Panel Mounted Strainer

Oil Cooler

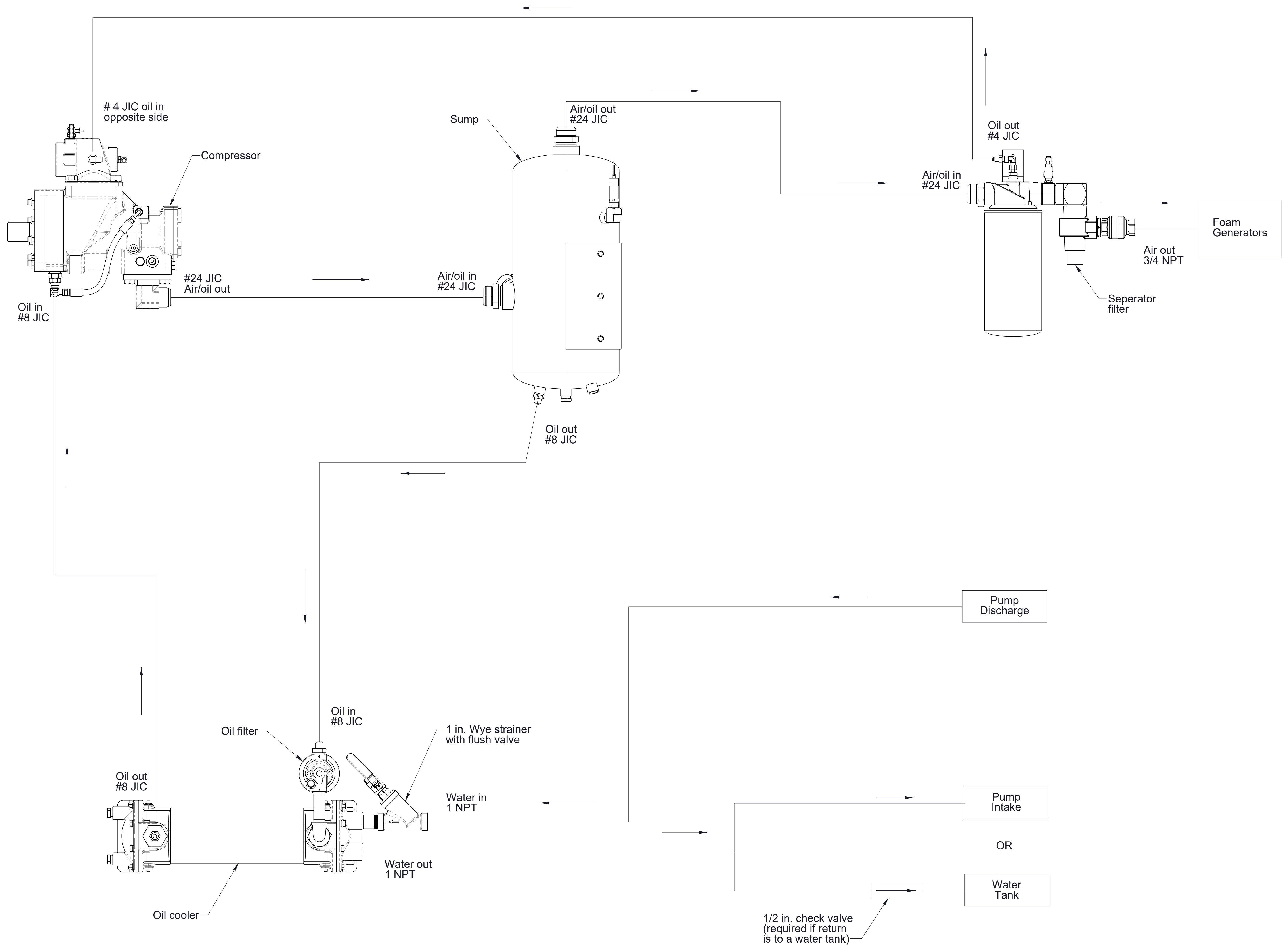


1/4 FNPT Connection
(Hoses and fittings furnished)
Order part no. 83360-3A

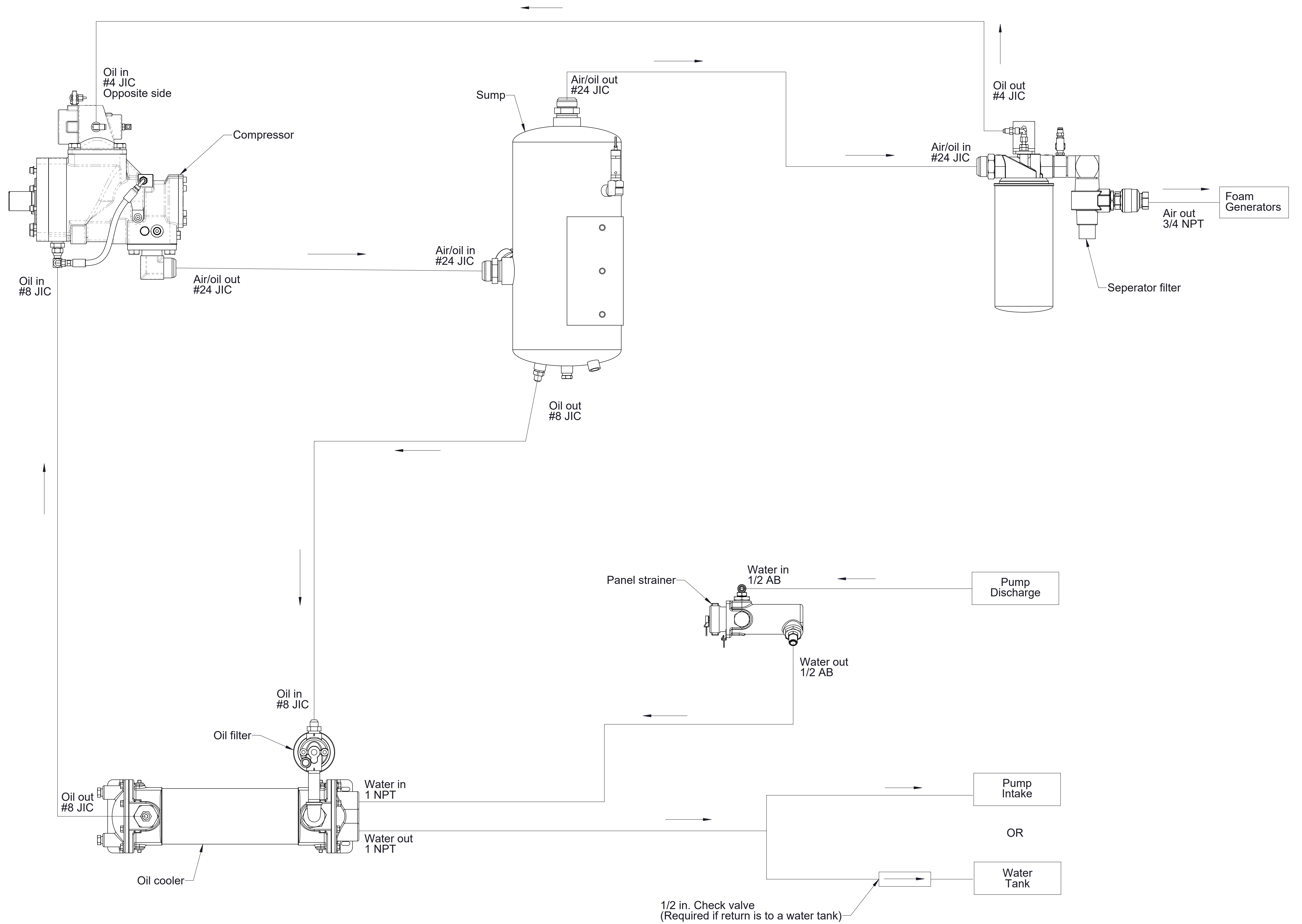


3/4 NPT Connection
(Hoses and fittings furnished)
Order part no. 83360-3B

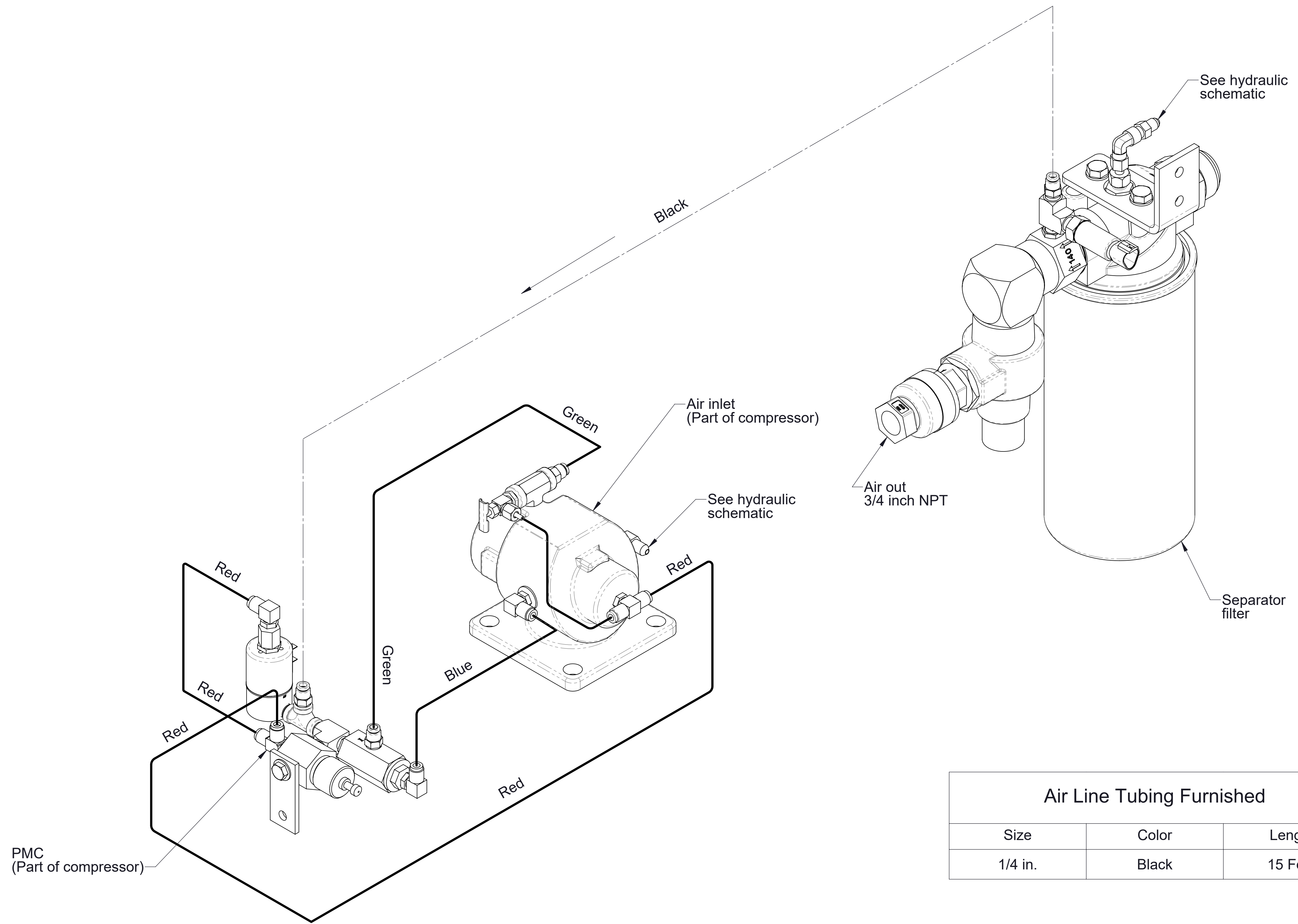
Optional Auxiliary Connection



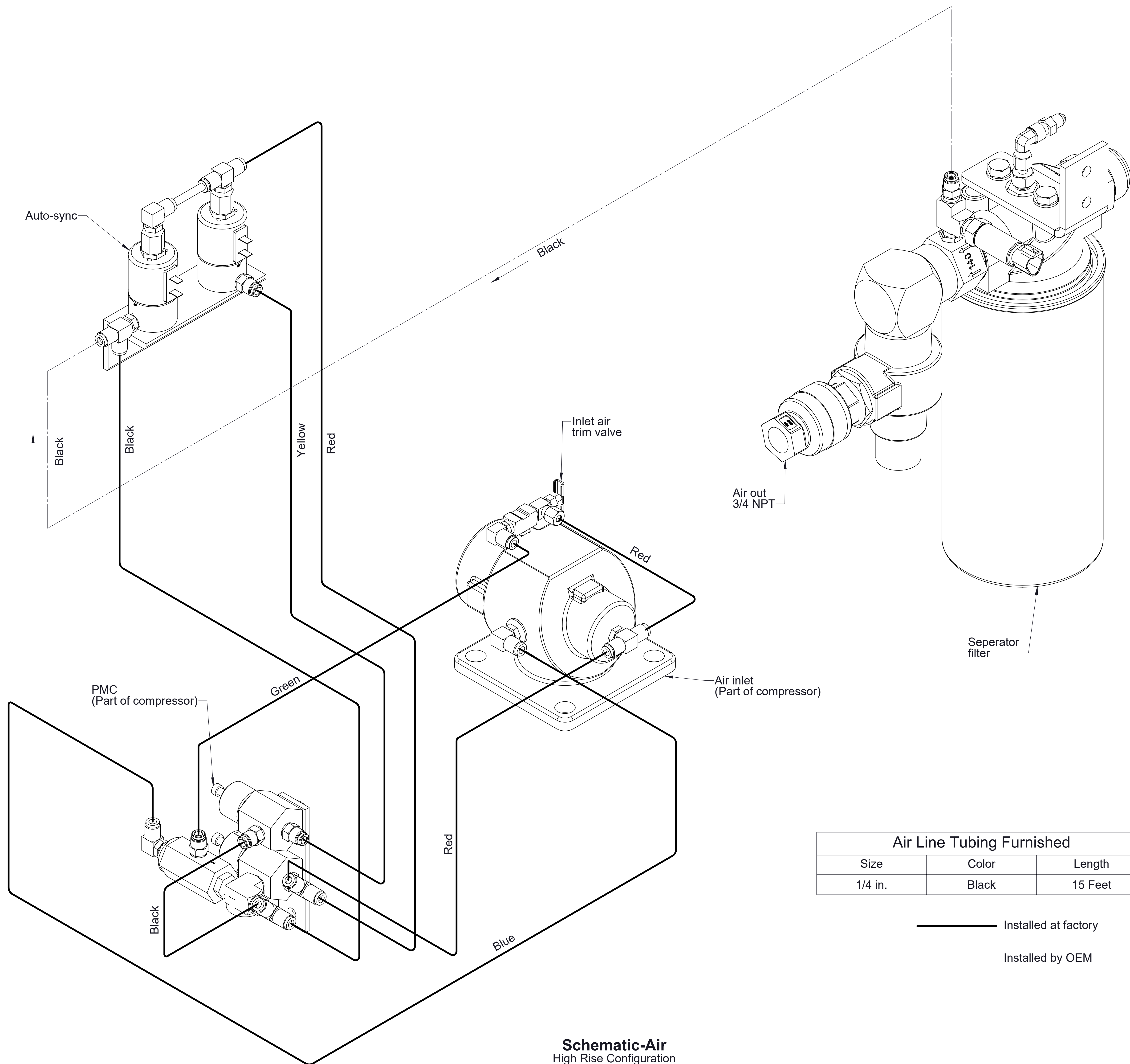
Hydraulic Schematic
In-line strainer



Hydraulic Schematic
Panel strainer



Schematic - Air Circuit
 Non High Rise Configuration



| Air Line Tubing Furnished | | |
|---------------------------|-------|---------|
| Size | Color | Length |
| 1/4 in. | Black | 15 Feet |

- Installed at factory
- - - Installed by OEM

Schematic-Air
High Rise Configuration