

# FAIRBANKS NIJHUIS® FIRE PUMPS

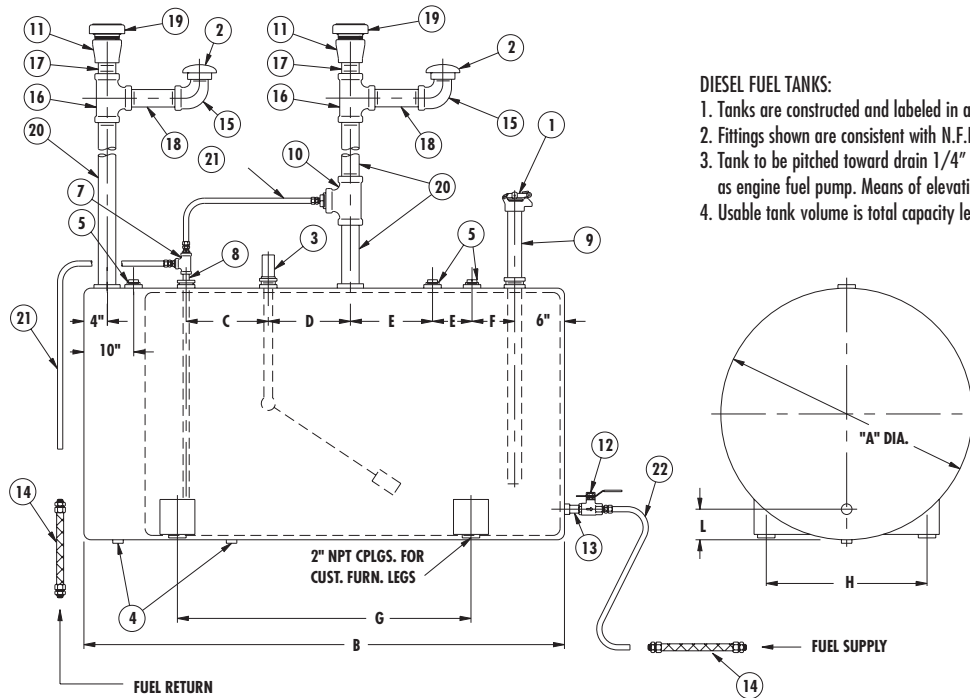
## DOUBLE WALL FUEL TANKS WITH STANDARD FITTINGS

Section 916 Page 257

Date June 2018

Supersedes Section 916 Page 257

Dated September 2014



### DIESEL FUEL TANKS:

1. Tanks are constructed and labeled in accordance with UL-142.
2. Fittings shown are consistent with N.F.P.A. 30 and UL-142.
3. Tank to be pitched toward drain 1/4" per foot with outlet on the same elevation as engine fuel pump. Means of elevating tank (by others) may be required.
4. Usable tank volume is total capacity less 5% for sump and 5% for expansion.

| NOMINAL TANK SIZE IN GALLONS | USABLE VOLUME IN GALLONS | A          | B         | C       | D       | E       | F        | G         | H            | L           | Z |
|------------------------------|--------------------------|------------|-----------|---------|---------|---------|----------|-----------|--------------|-------------|---|
| 119                          | 105                      | 24.5 (622) | 73 (1853) | 6 (152) | 6 (152) | 6 (152) | 12 (304) | 44 (1118) | 14 (355)     | 3 (76)      | 2 |
| 187                          | 165                      | 31 (787)   | 73 (1853) | 6 (152) | 6 (152) | 6 (152) | 12 (304) | 44 (1118) | 16 (406)     | 3 (76)      | 2 |
| 300                          | 270                      | 39 (990)   | 73 (1853) | 6 (152) | 6 (152) | 6 (152) | 13 (330) | 44 (1118) | 22-7/8 (581) | 3-3/4 (95)  | 2 |
| 359                          | 320                      | 41 (1041)  | 73 (1853) | 6 (152) | 6 (152) | 6 (152) | 18 (457) | 44 (1118) | 22-7/8 (581) | 4 (102)     | 2 |
| 572                          | 515                      | 51 (1294)  | 73 (1853) | 6 (152) | 6 (152) | 6 (152) | 19 (483) | 44 (1118) | 30 (761)     | 5 (127)     | 2 |
| 849                          | 766                      | 65 (1651)  | 72 (1829) | 6 (152) | 6 (152) | 6 (152) | 24 (610) | 44 (1118) | 30 (761)     | 4-3/4 (121) | 3 |
| 1100                         | 993                      | 65 (1651)  | 84 (2134) | 6 (152) | 6 (152) | 6 (152) | 31 (787) | 44 (1118) | 30 (761)     | 4-3/4 (121) | 4 |

| COMPONENTS FURNISHED BY FAIRBANKS NIJHUIS PUMP |            |                                                           |
|------------------------------------------------|------------|-----------------------------------------------------------|
| ITEM NO.                                       | QTY. REQ'D | DESCRIPTION                                               |
| 1                                              | 1          | 2" NPT Lockable Fuel Cap                                  |
| 2                                              | 2          | 2" Screened Tank Vent                                     |
| 3                                              | 1          | Fuel Gauge 1-1/2" NPT                                     |
| 4                                              | 2          | 1" NPT Drain Plug                                         |
| 5                                              | 2          | 2" NPT Pipe Plug                                          |
| 7                                              | 1          | 1/2" Tee                                                  |
| 8                                              | 1          | 1/2" Close Nipple                                         |
| 9                                              | 1          | 2" Fuel Fill Pipe                                         |
| 10                                             | 1          | "Z" x "Z" x 2" Tee                                        |
| 11                                             | 2          | "Z" Coupling                                              |
| 12                                             | 1          | 3/4" NPT Lockable Fuel Valve                              |
| 13                                             | 1          | 3/4" Close Nipple                                         |
| 14                                             | 2          | Fuel Hoses for Supply & Return (Furnished by Engine Mfr.) |
| 15                                             | 2          | 2" Street Elbow                                           |
| 16                                             | 2          | "Z" x "Z" x 2" Tee                                        |
| 17                                             | 2          | "Z" Close Nipple                                          |
| 18                                             | 2          | 2" Nipple                                                 |
| 19                                             | 2          | "Z" Emergency Vent                                        |

| COMPONENTS FURNISHED BY OTHERS* |            |                              |
|---------------------------------|------------|------------------------------|
| ITEM NO.                        | QTY. REQ'D | DESCRIPTION                  |
| 20                              | 2          | "Z" Diameter Piping for Vent |
| 21                              | 1          | 1/2" Black Pipe              |
| 22                              | 1          | 3/4" Black Pipe              |

### NOTES

1. All dimensions are in inches (mm) and may vary  $\pm 1/4$ ".
2. Components shown are shipped loose for field assembly.
3. Illustration is for component identification only. Actual installation must meet local codes and all applicable standards.
4. Item 10 may consist of a combination of fittings.
5. Refer to Section 916 page 259 for details of Fairbanks Nijhuis-furnished components.
6. Items 11 & 17 not required for 515 gallon tanks.

\*Included with fire pump package systems.



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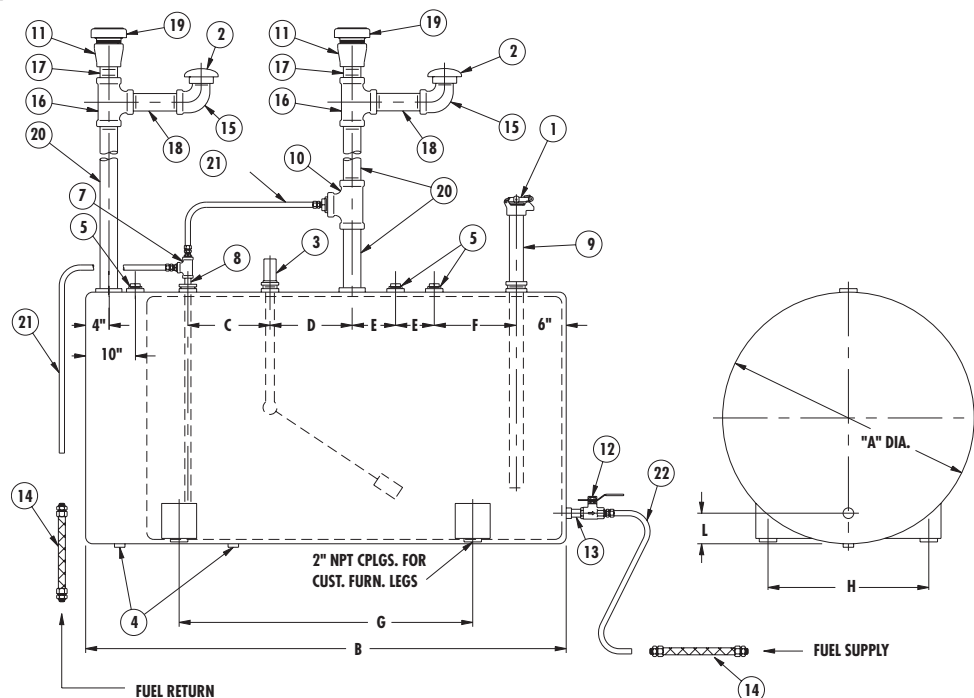
FAIRBANKS NIJHUIS™

Date June 2018

## DOUBLE WALL FUEL TANKS WITH 4" FITTINGS

Supersedes Section 916 Page 258

Dated September 2014



| NOMINAL TANK SIZE IN GALLONS | USABLE VOLUME IN GALLONS | A          | B         | C       | D       | E       | F        | G         | H            | L           | Z |
|------------------------------|--------------------------|------------|-----------|---------|---------|---------|----------|-----------|--------------|-------------|---|
| 119                          | 105                      | 24.5 (622) | 73 (1853) | 6 (152) | 6 (152) | 6 (152) | 12 (304) | 44 (1118) | 14 (355)     | 3 (76)      | 4 |
| 187                          | 165                      | 31 (787)   | 73 (1853) | 6 (152) | 6 (152) | 6 (152) | 12 (304) | 44 (1118) | 16 (406)     | 3 (76)      | 4 |
| 300                          | 270                      | 39 (990)   | 73 (1853) | 6 (152) | 6 (152) | 6 (152) | 13 (330) | 44 (1118) | 22-7/8 (581) | 3-3/4 (95)  | 4 |
| 359                          | 320                      | 41 (1041)  | 73 (1853) | 6 (152) | 6 (152) | 6 (152) | 18 (457) | 44 (1118) | 22-7/8 (581) | 4 (102)     | 4 |
| 572                          | 515                      | 51 (1294)  | 73 (1853) | 6 (152) | 6 (152) | 6 (152) | 19 (483) | 44 (1118) | 30 (761)     | 5 (127)     | 4 |
| 849                          | 766                      | 65 (1651)  | 72 (1829) | 6 (152) | 6 (152) | 6 (152) | 24 (610) | 44 (1118) | 30 (761)     | 4-3/4 (121) | 4 |
| 1100                         | 993                      | 65 (1651)  | 84 (2134) | 6 (152) | 6 (152) | 6 (152) | 31 (787) | 44 (1118) | 30 (761)     | 4-3/4 (121) | 4 |

| COMPONENTS FURNISHED BY OTHERS* |            |                              |
|---------------------------------|------------|------------------------------|
| ITEM NO.                        | QTY. REQ'D | DESCRIPTION                  |
| 20                              | 2          | "Z" Diameter Piping for Vent |
| 21                              | 1          | 1/2" Black Pipe              |
| 22                              | 1          | 3/4" Black Pipe              |

## NOTES

- All dimensions are in inches (mm) and may vary  $\pm 1/4"$ .
- Components shown are shipped loose for field assembly.
- Illustration is for component identification only. Actual installation must meet local codes and all applicable standards.
- Item 10 may consist of a combination of fittings.
- Refer to Section 916 page 259 for details of Fairbanks Nijhuis-furnished components.
- Items 11 & 17 not required for 515 gallon tanks.

| COMPONENTS FURNISHED BY FAIRBANKS NIJHUIS PUMP |            |                                                              |
|------------------------------------------------|------------|--------------------------------------------------------------|
| ITEM NO.                                       | QTY. REQ'D | DESCRIPTION                                                  |
| 1                                              | 1          | 2" NPT Lockable Fuel Cap                                     |
| 2                                              | 2          | 2" Screened Tank Vent                                        |
| 3                                              | 1          | Fuel Gauge 1-1/2" NPT                                        |
| 4                                              | 2          | 1" NPT Drain Plug                                            |
| 5                                              | 2          | 2" NPT Pipe Plug                                             |
| 7                                              | 1          | 1/2" Tee                                                     |
| 8                                              | 1          | 1/2" Close Nipple                                            |
| 9                                              | 1          | 2" Fuel Fill Pipe                                            |
| 10                                             | 1          | "Z" x "Z" x 2" Tee                                           |
| 11                                             | 2          | "Z" Coupling                                                 |
| 12                                             | 1          | 3/4" NPT Lockable Fuel Valve                                 |
| 13                                             | 1          | 3/4" Close Nipple                                            |
| 14                                             | 2          | Fuel Hoses for Supply & Return<br>(Furnished by Engine Mfr.) |
| 15                                             | 2          | 2" Street Elbow                                              |
| 16                                             | 2          | "Z" x "Z" x 2" Tee                                           |
| 17                                             | 2          | "Z" Close Nipple                                             |
| 18                                             | 2          | 2" Nipple                                                    |
| 19                                             | 2          | "Z" Emergency Vent                                           |