



# POLYETHYLENE TANKS AND ACCESSORIES

QUALITY: FIRST AND FOREVER

**IT TAKES TIME  
TO MAKE SOMETHING  
THAT LASTS.**

Assmann polyethylene bulk storage tanks are built the right way – even if that's not the easiest or fastest way. We're the only manufacturer who uses non-shielded molds with low temperature heat and gradual air cooling. The result is truly uniform wall thickness, unparalleled certified quality, and reliability that proves itself every time and across decades.



Certified to ISO 9001: 2015



Certificate Number:  
DAS90024930/39/Q Rev:002



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A man with a mustache and a red shirt is standing in front of large industrial tanks. The text "A TANK YOU CAN COUNT ON. EVERY SINGLE TIME." is overlaid on the image.

A TANK YOU  
CAN COUNT  
ON. EVERY  
SINGLE TIME.



# How We Build Quality into Each Assmann Tank

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It might take a little more time and effort, but we'll never abandon successful production methods for cost-cutting measures. That means every single time, you get a tank you can count on for years—even decades. Here's how we do it:

## **1. ROTATIONAL MOLDING SETS THE STAGE**

A stationary furnace provides convection heat to our unique and efficient large ovens, which rotate end-over-end. The oven shape and foil design create optimum airflow and uniform heat to set the foundation for the highest quality parts possible.

We opt for temperatures that rarely exceed 500° F in the molding process. Why? Using higher temperatures speeds up the cycle time but can ultimately compromise the final product, particularly in XLPE and thicker wall parts.

## **2. GRADUAL COOLING FOR STRUCTURAL INTEGRITY**

We introduce zero water into the cooling cycle. Once molded, Assmann tanks are placed in separate chambers and subject to very high volume air movement. This allows the mold and the tank inside to cool gradually while the cross-linking process continues all the way through the tank wall, strengthening the whole structure and lengthening its lifespan.

Even in 1.45" thick walls, Assmann tanks consistently attain cross-linking test results between 75% and 85%, well above the minimum standard of 60%.

## **3. NO SHIELDING. EVER.**

Within the tank manufacturing industry, it's become common practice to wrap and weld layers of sheet metal around the outside of the mold to reduce heat transfer. This shielding causes reduced upper and lower sidewall thickness—sometimes by up to 25%—making the tank more vulnerable to stress and failure.

Because Assmann tanks are air-cooled, the cross-linking takes place gradually. We never shield the outside of our tank molds. This alleviates a large portion of process-related stress. Throughout our process, we exceed ASTM design hoop stress minimums and achieve more uniform wall thickness for maximum structural integrity.

# The Assmann Warranty

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We stand by our quality with pride and confidence. That's why every Assmann tank you purchase includes a warranty. That means Assmann warrants our tanks to be free from defects in workmanship and materials, under normal use and service, to the original purchaser for a period of 3 to 5 years from the date of shipment from our factory dependent upon chemical service. Consult our factory for chemical specific warranty information.

Installation and operation must comply with all applicable federal, state, and local regulations, and must be in accordance with applicable instructions and limitations contained in the Assmann Usage and Handling guidelines for the tank.

## **WARRANTY SHALL NOT APPLY TO ANY PRODUCT THAT AFTER LEAVING OUR FACTORY:**

1. Has been repaired or altered in any manner not authorized by Assmann
2. Has been subject to abuse, misuse, fire, accident, neglect, or improper handling
3. Has not been used in accordance with Assmann chemical resistance charts
4. Has been exposed to pressures greater than atmospheric pressure
5. Has been exposed to internal or external temperatures greater than 120°F (for linear polyethylene) or 150°F (for cross-link polyethylene)
6. Has been connected, installed, adjusted, or used otherwise than in accordance with the instructions provided by Assmann

Assmann's sole liability and our customers' sole remedy shall be limited to the warranties contained within the exclusive warranty. Under no circumstances shall Assmann be liable for special, indirect, incidental, punitive, or consequential damages resulting from the performance or operation of any product manufactured or sold by Assmann. To see a full copy of Assmann Corporation of America's exclusive warranty, talk to your Assmann team.



## ISO Certification



The first and only polyethylene manufacturer to achieve ISO 9001:2015 certification.

ISO 9001 is the original quality management standard and the world's most widely recognized quality management system certification. Attaining ISO 9001:2015 certification isn't a one-time achievement; it's a high bar we have to continually meet.

To continue to earn this distinction, we must continually prove—and improve—our capabilities to provide products and services that meet and exceed customer expectations.

Our entire staff monitors each individual stage of our manufacturing process for errors and areas for improvement, instead of just inspecting the final product.

Each tank we produce has its own quality control and routing card that links the product back to its manufacture date, raw material lot numbers, and processing times. This level of traceability is critical, especially for government-regulated bulk chemical storage.

### INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO)

ISO is a family of standards for quality management systems. The organization audits engineering and manufacturing processes for effectiveness and continuous improvement.



## NSF Certification



Assmann polyethylene tanks are the first to be NSF Certified for chemical storage.

Assmann cross-linked polyethylene tanks are certified by NSF to ANSI 61 standards for chemical storage, which ensures our products do not contribute contaminants to drinking water that could cause adverse health effects.

Our unique cross-link resin is certified for many chemical applications, including sodium hypochlorite, sulfuric acid, and sodium hydroxide.

Additionally, Assmann linear polyethylene tanks are certified by NSF to ANSI 61 standards for potable water.

### **NATIONAL SANITATION FOUNDATION (NSF)**

National Sanitation Foundation (NSF) International certifies products that have been rigorously tested to comply with public health standards, particularly to help protect the world's food, water, consumer products, and environment.

# Assmann Polyethylene Tanks

Assmann polyethylene tanks are constructed from scratch, and designed to outlast the competition at every turn. Our tanks are used for above-ground bulk storage of chemicals, petroleum products, wastewater, food processing, agriculture liquids, pharmaceutical liquids, and more. No matter what your final application is, you can trust that your Assmann tanks are built right and built to last.

A craftsman in a dark blue long-sleeved shirt is seen from behind, reaching up to a red and white pegboard filled with various tools. The tools include a hammer, a red C-clamp, a hand saw, a square, a marker, and several drill bits. The scene is set in a workshop, with a workbench and other tools visible in the foreground and background. The text "QUALITY YOU NEVER HAVE TO QUESTION." is overlaid in white, bold, sans-serif font across the center of the image.

**QUALITY  
YOU NEVER  
HAVE TO  
QUESTION.**



# Vertical Storage Tanks



Assmann vertical storage tanks are rotationally molded from your choice of virgin high-density cross-linked polyethylene or FDA-compliant linear polyethylene. Both are more corrosion- and chemical-resistant than fiberglass, stainless steel, and mild steel.

All Assmann vertical storage tanks possess excellent low-temperature impact resistance and UV stabilization.

- **Semi-translucent and seamless**, with gallon markers and access openings built in
- **Wall thickness conforms to ASTM D-1998** standards for liquid storage
- **Narrow tank diameters** save space in your plant
- **Choose from a variety of colors** and accessories to fit your needs

| Model Number  | Capacity<br>(US Gallons) | Dimensions (Inches) |        | Weight (lbs) Linear and Crosslink Polyethylene |                    |                    |                    | Access<br>Opening<br>(Inches) |
|---------------|--------------------------|---------------------|--------|------------------------------------------------|--------------------|--------------------|--------------------|-------------------------------|
|               |                          | Diameter            | Height | 1.35 Sp.<br>Gravity                            | 1.5 Sp.<br>Gravity | 1.9 Sp.<br>Gravity | 2.2 Sp.<br>Gravity |                               |
| ICT 40        | 40                       | 20                  | 38     | N/A                                            | N/A                | 20                 | N/A                | 16                            |
| ICT 60        | 60                       | 23                  | 42     | N/A                                            | N/A                | 28                 | N/A                | 16                            |
| ICT 65        | 65                       | 23                  | 44     | N/A                                            | N/A                | 28                 | N/A                | 7                             |
| ICT 80        | 80                       | 24                  | 49     | N/A                                            | N/A                | 30                 | N/A                | 16                            |
| ICT 120       | 120                      | 29                  | 52     | N/A                                            | N/A                | 50                 | N/A                | 7                             |
| ICT 140       | 140                      | 29                  | 58     | N/A                                            | N/A                | 50                 | N/A                | 16                            |
| ICT 175       | 175                      | 35                  | 51     | N/A                                            | N/A                | 56                 | N/A                | 16                            |
| ICT 200 (35") | 200                      | 35                  | 57     | N/A                                            | N/A                | 64                 | N/A                | 16                            |
| ICT 200 (36") | 200                      | 36                  | 53     | N/A                                            | N/A                | 60                 | N/A                | 16                            |
| ICT 250       | 250                      | 35                  | 69     | N/A                                            | N/A                | 75                 | N/A                | 16                            |
| ICT 300       | 300                      | 35                  | 82     | N/A                                            | N/A                | 85                 | 115                | 16                            |
| ICT 400       | 400                      | 48                  | 63     | N/A                                            | N/A                | 99                 | 120                | 16                            |
| ACT 550       | 550                      | 69                  | 43     | N/A                                            | N/A                | 120                | 120                | 16                            |
| ICT 550       | 550                      | 48                  | 82     | N/A                                            | 130                | 130                | 160                | 16                            |
| IFT 550       | 550                      | 48                  | 83     | N/A                                            | 130                | 130                | 160                | 11                            |
| IFT 600       | 600                      | 48                  | 83     | 140                                            | 140                | 160                | 177                | 11                            |
| ICT 625       | 625                      | 48                  | 93     | N/A                                            | N/A                | 140                | 175                | 16                            |
| ICT 700       | 700                      | 69                  | 58     | N/A                                            | 130                | 150                | 175                | 16                            |
| ICT 850       | 850                      | 48                  | 120    | 166                                            | 180                | 230                | 267                | 16                            |
| IFT 950       | 950                      | 64                  | 83     | 171                                            | 190                | 205                | 240                | 11                            |
| ICT 1000      | 1000                     | 64                  | 84     | 171                                            | 190                | 205                | 240                | 16                            |
| ICT 1100      | 1100                     | 86                  | 66     | 171                                            | 190                | 220                | 260                | 16                            |
| ICT 1200      | 1200                     | 64                  | 100    | 203                                            | 260                | 330                | 350                | 16                            |
| ACT 1500      | 1500                     | 86                  | 74     | 227                                            | 250                | 320                | 420                | 16                            |
| ICT 1500      | 1500                     | 64                  | 121    | 295                                            | 320                | 415                | 480                | 16                            |
| ICT 1850      | 1850                     | 96                  | 78     | 335                                            | 350                | 400                | 605                | 16                            |
| ICT 2000      | 2000                     | 86                  | 100    | 335                                            | 375                | 430                | 665                | 16                            |
| ICT 2050      | 2050                     | 64                  | 165    | 450                                            | 500                | 620                | 800                | 16                            |
| ICT 2400      | 2400                     | 96                  | 95     | 412                                            | 450                | 620                | 800                | 16                            |
| ICT 2500      | 2500                     | 86                  | 119    | 441                                            | 450                | 620                | 808                | 16                            |
| ICT 2900      | 2900                     | 96                  | 111    | 568                                            | 620                | 800                | 990                | 16                            |
| ICT 3000      | 3000                     | 90                  | 122    | 568                                            | 620                | 800                | 1035               | 16                            |
| ICT 4000      | 4000                     | 90                  | 162    | 782                                            | 850                | 1100               | 1620               | 16                            |
| ICT 4100      | 4100                     | 119                 | 108    | 782                                            | 850                | 1100               | 1400               | 24*                           |
| ICT 4200      | 4200                     | 96                  | 152    | 782                                            | 850                | 1100               | 1620               | 16                            |
| ICT 4600      | 4600                     | 105                 | 147    | 1119                                           | 1227               | 1572               | 1808               | 24*                           |
| ICT 5200      | 5200                     | 105                 | 160    | 1101                                           | 1200               | 1550               | 1895               | 24*                           |
| ICT 5500      | 5500                     | 119                 | 141    | 1215                                           | 1350               | 1600               | 2200               | 24*                           |
| ICT 5600      | 5600                     | 96                  | 196    | 1350                                           | 1500               | 1750               | 2600               | 24*                           |
| ICT 6500      | 6500                     | 105                 | 193    | 1776                                           | 1900               | 2500               | 2850               | 24*                           |
| ICT 6510      | 6510                     | 119                 | 163    | 1575                                           | 1750               | 2000               | 2450               | 24*                           |
| ICT 7300      | 7300                     | 119                 | 177    | 2028                                           | 2244               | 2866               | 3299               | 24*                           |
| ICT 8000      | 8000                     | 143                 | 142    | 1989                                           | 2200               | 2800               | 3250               | 24*                           |
| ICT 8410      | 8410                     | 119                 | 201    | 2758                                           | 3065               | 3882               | 4495               | 24*                           |
| ICT 10000     | 10000                    | 143                 | 173    | 2700                                           | 3000               | 3400               | 4770               | 24*                           |
| ICT 12000     | 12000                    | 143                 | 196    | 3400                                           | 3800               | 4400               | 5340               | 24*                           |
| ICT 12500     | 12500                    | 143                 | 214    | 4300                                           | 4773               | 6075               | 7022               | 24*                           |

*\*All 24" manway access covers are hinged. Model number availability and individual specifications subject to change without notice.*

*Gallonge and weights are approximate. All wall thicknesses conform to ASTM D-1998.*

# Double Wall Vertical Storage Tanks



Double wall tanks provide the best protection against hazardous chemical spills into the environment. Inside each tank, an inner dome overlaps the outer sidewall to help prevent rainwater, snow, and debris from entering the containment basin. Heat tracing and insulation accessories make these tanks perfect for temperature-sensitive chemicals.

- **Outlet Options:** Either top suction or flooded suction options available
- **Wall thickness equal to or greater than ASTM D-1998 standards**
- **Customizable assembly options available:** seismic and wind load tie downs, leak detection, ultrasonic level indicators, and ladders



| Model<br>Number | Cap.<br>(US<br>Gals) | Dimensions<br>(Inches) |      | Weight (lbs) Linear Polyethylene |      |      |                       |      |      | Weight (lbs) Crosslink Polyethylene |      |      |                       |      |      | Access<br>Open.<br>(In) |
|-----------------|----------------------|------------------------|------|----------------------------------|------|------|-----------------------|------|------|-------------------------------------|------|------|-----------------------|------|------|-------------------------|
|                 |                      |                        |      | Primary Sp. Gravity              |      |      | Secondary Sp. Gravity |      |      | Primary Sp. Gravity                 |      |      | Secondary Sp. Gravity |      |      |                         |
|                 |                      | Dia.                   | Hgt. | 1.5                              | 1.9  | 2.2  | 1.5                   | 1.9  | 2.2  | 1.5                                 | 1.9  | 2.2  | 1.5                   | 1.9  | 2.2  |                         |
| IMT 550         | 550                  | 60                     | 73   | N/A                              | 130  | 159  | N/A                   | 130  | 151  | N/A                                 | 130  | 159  | N/A                   | 130  | 159  | 16                      |
| IMT 625         | 625                  | 47                     | 113  | 117                              | 152  | 176  | 127                   | 162  | 191  | 117                                 | 152  | 176  | 127                   | 162  | 191  | 16                      |
| IMT 1050        | 1050                 | 72                     | 87   | 185                              | 205  | 233  | 191                   | 244  | 283  | 185                                 | 205  | 226  | 176                   | 221  | 256  | 16                      |
| IMT 1550        | 1550                 | 72                     | 123  | 325                              | 408  | 472  | 309                   | 392  | 454  | 297                                 | 380  | 440  | 283                   | 359  | 416  | 16                      |
| IMT 2050        | 2050                 | 72                     | 159  | 551                              | 691  | 809  | 596                   | 748  | 875  | 505                                 | 633  | 738  | 545                   | 697  | 799  | 16                      |
| IMT 2100        | 2100                 | 123                    | 72   | 380                              | 478  | 563  | 402                   | 509  | 590  | 352                                 | 450  | 521  | 362                   | 469  | 536  | 16                      |
| IMT 2550        | 2550                 | 96                     | 119  | 643                              | 823  | 953  | 499                   | 632  | 732  | 600                                 | 748  | 866  | 457                   | 579  | 671  | 16                      |
| IMT 3050        | 3050                 | 96                     | 138  | 817                              | 1022 | 1183 | 694                   | 879  | 1018 | 739                                 | 944  | 1093 | 636                   | 806  | 933  | 16                      |
| IMT 4050        | 4050                 | 96                     | 177  | 1252                             | 1607 | 1870 | 1178                  | 1492 | 1728 | 1158                                | 1476 | 1700 | 1178                  | 1492 | 1728 | 16                      |
| IMT 4400        | 4400                 | 123                    | 121  | 1143                             | 1444 | 1685 | 1208                  | 1525 | 1782 | 1043                                | 1324 | 1544 | 1109                  | 1406 | 1624 | 16                      |
| IMT 5250        | 5250                 | 119                    | 154  | 1484                             | 1920 | 2225 | 1342                  | 1699 | 1968 | 1372                                | 1753 | 2025 | 1230                  | 1558 | 1804 | 16                      |
| IMT 6550        | 6550                 | 119                    | 186  | 2181                             | 2778 | 3200 | 2028                  | 2569 | 2974 | 2000                                | 2570 | 2960 | 2028                  | 2569 | 2974 | 16                      |
| IMT 8850        | 8850                 | 143                    | 173  | 3112                             | 3942 | 4565 | 3209                  | 4065 | 4706 | 2853                                | 3614 | 4184 | 2942                  | 3726 | 4314 | 24                      |

Model number availability and individual specifications subject to change without notice. Gallonage and weights are approximate. All wall thicknesses conform to ASTM D-1998.

# Small Double Wall Vertical Storage Tanks



Our small double wall tanks include a primary inner chamber and a secondary outer chamber at 120% of the inner tank size. This balance exceeds EPA standards and complies with 40 CFR-264.193.

- **Ideal for outdoor chemical storage** because inner tank dome overlaps outer sidewall to help prevent rainwater, snow, and debris from entering
- **7" threaded top access opening** is chemically resistant and fume-tight. Larger openings are also available
- **Most models fit through standard 36" doorway** to allow convenient placement, even in tight areas
- **Molded-in pump shelf** is ideal for installing chemical pumps and metering equipment; the pump shelf is recessed to contain small chemical spills
- **Recessed lower fitting allows for full-flooded suction** for outlet assemblies. It allows fittings to penetrate through the secondary containment wall and into the primary tank's sump
- **Interstitial leak detection systems option available**

| Model Number | Cap. (US Gals) | Dimensions (Inches) |        | Weight (lbs) Linear Polyethylene |     |     |                       |     |     | Weight (lbs) Crosslink Polyethylene |     |     |                       |     |     | Access Open. (In) |
|--------------|----------------|---------------------|--------|----------------------------------|-----|-----|-----------------------|-----|-----|-------------------------------------|-----|-----|-----------------------|-----|-----|-------------------|
|              |                |                     |        | Primary Sp. Gravity              |     |     | Secondary Sp. Gravity |     |     | Primary Sp. Gravity                 |     |     | Secondary Sp. Gravity |     |     |                   |
|              |                | Dia.                | Hgt.   | 1.5                              | 1.9 | 2.2 | 1.5                   | 1.9 | 2.2 | 1.5                                 | 1.9 | 2.2 | 1.5                   | 1.9 | 2.2 |                   |
| IMT 20       | 20             | 26 1⁄8              | 21 3⁄8 | N/A                              | 17  | N/A | N/A                   | 17  | N/A | N/A                                 | 17  | N/A | N/A                   | 17  | N/A | 7                 |
| IMT 40       | 40             | 26 1⁄8              | 33 1⁄2 | N/A                              | 26  | N/A | N/A                   | 26  | N/A | N/A                                 | 26  | N/A | N/A                   | 26  | N/A | 7                 |
| IMT 65       | 65             | 26 1⁄8              | 47 3⁄4 | N/A                              | 36  | N/A | N/A                   | 36  | N/A | N/A                                 | 36  | N/A | N/A                   | 36  | N/A | 7                 |
| IMT 85       | 85             | 34 1⁄2              | 38 1⁄2 | N/A                              | 45  | N/A | N/A                   | 45  | N/A | N/A                                 | 45  | N/A | N/A                   | 45  | N/A | 7                 |
| IMT 120      | 120            | 34 1⁄2              | 51     | N/A                              | 56  | N/A | N/A                   | 56  | N/A | N/A                                 | 56  | N/A | N/A                   | 56  | N/A | 7                 |
| IMT 150      | 150            | 47                  | 44     | N/A                              | 65  | N/A | N/A                   | 65  | N/A | N/A                                 | 65  | N/A | N/A                   | 65  | N/A | 7/16              |
| IMT 165      | 165            | 34 1⁄2              | 66     | N/A                              | 69  | N/A | N/A                   | 69  | N/A | N/A                                 | 69  | N/A | N/A                   | 69  | N/A | 7                 |
| IMT 250      | 250            | 47                  | 61     | N/A                              | 95  | N/A | N/A                   | 95  | N/A | N/A                                 | 95  | N/A | N/A                   | 95  | N/A | 7/16              |
| IMT 405      | 405            | 47                  | 76     | N/A                              | 74  | 82  | N/A                   | 77  | 90  | N/A                                 | 74  | 77  | N/A                   | 77  | 82  | 7/16              |

Model number availability and individual specifications subject to change without notice. Gallonage and weights are approximate. All wall thicknesses conform to ASTM D-1998.



Molded-in sump in the primary tank is located directly below the pump shelf. Suction lines can be lowered onto the sump area, which will allow for maximum drainage of chemical with top discharge assemblies.



Inner tank dome overlaps outer tank to prevent contamination.

Molded-in pump shelf is recessed in the top of the tank. Shown with optional metering pump.



# Chemical Feed Stations



Our complete, ready-to-use chemical feed stations (CFS) allow you to handle small amounts of liquids and other chemicals without the handling costs and inconvenient disposal of drums. Each station is constructed from high-density cross-link polyethylene or FDA-compliant linear polyethylene, and the final result is lightweight, easy to handle, and self-contained. You can add on features such as molded pump shelves, polyethylene primary tank stands, custom design fittings, and accessories according to your needs.

| Model Number | Capacity (US Gallons) | Dimensions (Inches) |       |        | Access Opening (Inches) |
|--------------|-----------------------|---------------------|-------|--------|-------------------------|
|              |                       | Length              | Width | Height |                         |
| CFS 40       | 40                    | 32                  | 26    | 38     | 16                      |
| CFS 60       | 60                    | 47                  | 32    | 42     | 16                      |
| CFS 80       | 80                    | 47                  | 32    | 49     | 16                      |
| CFS 140      | 140                   | 52                  | 38    | 58     | 16                      |
| CFS 175      | 175                   | 60                  | 43    | 51     | 16                      |
| CFS 200      | 200                   | 60                  | 43    | 57     | 16                      |
| CFS 250      | 250                   | 72                  | 43    | 69     | 16                      |
| CFS 300      | 300                   | 72                  | 43    | 82     | 16                      |
| CFS 550      | 550                   | 83                  | 64    | 82     | 16                      |

*Model number availability and individual specifications subject to change without notice. Gallonage and weights are approximate. All wall thicknesses conform to ASTM D-1998.*



Optional fiberglass shelves are available for pumps and metering devices totaling 25 pounds or more



Optional polyethylene stands may be stacked two high to support the primary tank for gravity feed

# Conical Bottom Storage Tanks



Our seamless polyethylene conical bottom tanks feature built-in 30-degree or 45-degree slopes and built-in gallon markers and access openings. You can choose from virgin high-density cross-linked polyethylene or FDA-compliant linear polyethylene—both more resistant to corrosion and chemicals than fiberglass, stainless steel, or mild steel.

- **Wall thickness conforms to ASTM D-1998 standards**
- **Excellent low-temperature impact resistance** and stabilized against UV-ray degradation
- **Available in a variety of colors** with optional support brackets, ladders, tie-down assemblies, and accessories

## SMALL CONICAL BOTTOM STORAGE TANKS

Our smaller conical bottom storage tanks are designed to rest on plastic stands that raise them off of the floor for easy drainage. Since all of the components are plastic, the risk of corrosion is virtually eliminated.



| Model Number | Capacity (US Gallons) | Slope (Degrees) | Dimensions (Inches) |        | Weight (Pounds)<br>Linear and Crosslink Polyethylene |           |           | Stand Weight (Pounds) | Access Opening (Inches) |
|--------------|-----------------------|-----------------|---------------------|--------|------------------------------------------------------|-----------|-----------|-----------------------|-------------------------|
|              |                       |                 | Diameter            | Height | 1.5 Sp. G                                            | 1.9 Sp. G | 2.2 Sp. G |                       |                         |
| ICB 60       | 60                    | 45              | 35                  | 46     | 29                                                   | 29        | 29        | 77                    | 16                      |
| ICB 100      | 100                   | 45              | 35                  | 56     | 35                                                   | 35        | 35        | 77                    | 16                      |
| ICB 200      | 200                   | 45              | 35                  | 80     | 50                                                   | 50        | 50        | 77                    | 16                      |
| ICB 250      | 250                   | 45              | 48                  | 72     | 66                                                   | 66        | 66        | 210                   | 16                      |
| ICB 350      | 350                   | 45              | 48                  | 85     | 77                                                   | 77        | 89        | 210                   | 16                      |
| ICB 500      | 500                   | 45              | 48                  | 105    | 99                                                   | 125       | 146       | 260                   | 16                      |
| OTCB 300     | 300                   | 45              | 49                  | 88     | N/A                                                  | 115       | 133       | 210                   | Open Top                |
| OTCB 600     | 600                   | 45              | 57                  | 105    | N/A                                                  | 180       | 208       | 260                   | Open Top                |
| OTCB 1100    | 1100                  | 45              | 69                  | 109    | 173                                                  | 218       | 255       | 350                   | Open Top                |
| APCB 560     | 560                   | 30              | 54                  | 90     | N/A                                                  | 180       | N/A       | 215                   | 16                      |
| ICB 1100     | 1100                  | 45              | 69                  | 116    | 173                                                  | 218       | 255       | 350                   | 16                      |
| ICB 1575     | 1575                  | 45              | 86                  | 121    | 325                                                  | 450       | 521       | 440                   | 16                      |
| ICB 2200     | 2200                  | 30              | 96                  | 119    | 500                                                  | 600       | 695       | 440                   | 24 Top hinged           |
| ICB 2600     | 2600                  | 45              | 86                  | 159    | 540                                                  | 700       | 811       | 440                   | 16                      |
| ICB 3000     | 3000                  | 30              | 90                  | 154    | 620                                                  | 825       | 955       | 450                   | 16                      |
| ICB 4200     | 4200                  | 30              | 96                  | 177    | 850                                                  | 1000      | 1158      | 550                   | 16                      |
| ICB 6000     | 6000                  | 30              | 143                 | 162    | 1800                                                 | 1900      | 2200      | 3200                  | 24 Top hinged           |
| ICB 8000     | 8000                  | 30              | 143                 | 190    | 2000                                                 | 2600      | 3000      | 3200                  | 24 Top hinged           |

\*All 24" manway access covers are hinged. Model number availability and individual specifications subject to change without notice. Gallonage and weights are approximate.

# Cylindrical Horizontal Tanks



Just like our vertical storage tanks, Assmann cylindrical horizontal tanks (IHT, AHT) are molded with your choice of virgin high-density cross-linked polyethylene or FDA-compliant linear polyethylene. Both are more corrosion- and chemical-resistant than fiberglass, stainless steel, and mild steel.

- **Semi-translucent and seamless**, with gallon markers and access openings built in
- **Narrow tank diameters** save space in your plant
- **Choose from a variety of sizes**, configurations, colors, and accessories to fit your needs
- **Horizontal stands include** epoxy primer and top coat

| Model Number | Capacity (US Gallons) | Dimensions (Inches) |        | Weight (Pounds)<br>Linerar and Crosslink Polyethylene |                 |                 | Stand Weight (Pounds) | Access Openings (Inches) |
|--------------|-----------------------|---------------------|--------|-------------------------------------------------------|-----------------|-----------------|-----------------------|--------------------------|
|              |                       | Diameter            | Height | 1.5 Sp. Gravity                                       | 1.9 Sp. Gravity | 2.2 Sp. Gravity |                       |                          |
| IHT 25       | 25                    | 23                  | 23     | 11                                                    | 13              | 16              | 22                    | 7                        |
| IHT 55       | 55                    | 23                  | 36     | 20                                                    | 22              | 29              | 35                    | 7                        |
| IHT 150      | 150                   | 32                  | 55     | 50                                                    | 55              | 73              | 51                    | 7                        |
| AHT 150      | 150                   | 38                  | 42     | 55                                                    | 60              | 81              | 64                    | 8                        |
| IHT 200      | 200                   | 32                  | 68     | 65                                                    | 70              | 95              | 69                    | 7                        |
| AHT 200      | 200                   | 38                  | 53     | 70                                                    | 95              | 110             | 72                    | 8                        |
| IHT 300      | 300                   | 38                  | 73     | 75                                                    | 105             | 122             | 91                    | 8                        |
| IHT 500      | 500                   | 48                  | 74     | 120                                                   | 130             | 176             | 116                   | 8                        |
| IHT 1000     | 1000                  | 49                  | 140    | 325                                                   | 400             | 477             | 230                   | 16                       |
| IHT 1650     | 1650                  | 59                  | 157    | 500                                                   | 600             | 733             | 290                   | 16                       |
| IHT 2500     | 2500                  | 64                  | 191    | 650                                                   | 770             | 953             | 1100                  | 21                       |

*Model number availability and individual specifications subject to change without notice. Gallonage and weights are approximate.*



# Free-Standing Horizontal Leg Tanks



Free-standing horizontal storage tanks (IHFS) have molded-in legs, requiring no steel cradle support.

- **Semi-translucent and seamless**, with gallon markers and access openings built-in
- **Molded-in legs** eliminate the need for steel cradles
- **Narrow tank diameters** save space in your plant
- **Choose from a variety of sizes**, configurations, colors, and accessories to fit your needs

| Model Number | Capacity (US Gallons) | Dimensions (Inches) |        |        | Weight (Pounds) Linear and Crosslink Polyethylene |                 | Access Openings (Inches) |
|--------------|-----------------------|---------------------|--------|--------|---------------------------------------------------|-----------------|--------------------------|
|              |                       | Diameter            | Length | Height | 1.9 Sp. Gravity                                   | 2.2 Sp. Gravity |                          |
| IHFS 55      | 55                    | 26                  | 33     | 30     | 30                                                | 35              | 7/11                     |
| IHFS 80      | 80                    | 25 1/2              | 43 1/2 | 30 1/2 | 45                                                | 51              | 7/11                     |
| IHFS 110     | 110                   | 29                  | 46     | 34     | 60                                                | 69              | 7/11                     |
| IHFS 200     | 200                   | 35                  | 58     | 40     | 85                                                | 98              | 7/11                     |
| IHFS 300     | 300                   | 41                  | 68     | 45     | 110                                               | 127             | 7/11                     |
| IHFS 500     | 500                   | 47                  | 76     | 50     | 145                                               | 168             | 7/11                     |

*Model number availability and individual specifications subject to change without notice. Gallonage and weights are approximate.*



## Open Top Tanks



Our industrial open top (IOT) tanks are molded from your choice of virgin high-density cross-link or NSF-certified linear polyethylene. These flat-bottomed vertical tanks are molded with a stiffening lip on the top to give the tank rigidity, and they are equipped with a shoe-box style cover.

Assmann open top tank covers include a unique design that allows the lid to be hinged and stay open. They are available in a variety of colors and in sizes ranging from 30 to 680 gallons. We also offer both stainless steel and mild steel epoxy-coated agitator support stands.

| Model Number | Capacity (US Gallons) | Dimensions (Inches)            |                                | Weight (Pounds)<br>1.9 Sp. Gravity |                        | Access Opening (Inches) |
|--------------|-----------------------|--------------------------------|--------------------------------|------------------------------------|------------------------|-------------------------|
|              |                       | Diameter                       | Height                         | Linear Polyethylene                | Crosslink Polyethylene |                         |
| IOT 30       | 30                    | 19                             | 30                             | 18                                 | 18                     | Open top                |
| IOT 40       | 40                    | 18                             | 41                             | 27                                 | 27                     | Open top                |
| IOT 55       | 55                    | 22 <sup>3</sup> / <sub>8</sub> | 37 <sup>1</sup> / <sub>2</sub> | 30                                 | 30                     | Open top                |
| IOT 70       | 70                    | 22                             | 46                             | 33                                 | 33                     | Open top                |
| IOT 90       | 90                    | 24                             | 50                             | 42                                 | 42                     | Open top                |
| IOT 150      | 150                   | 30                             | 51                             | 55                                 | 55                     | Open top                |
| IOT 210      | 210                   | 35                             | 52                             | 65                                 | 65                     | Open top                |
| IOT 300      | 300                   | 42                             | 57                             | 95                                 | 95                     | Open top                |
| IOT 400      | 400                   | 69                             | 32                             | 120                                | 120                    | Open top                |
| IOT 500      | 500                   | 54                             | 62                             | 145                                | 145                    | Open top                |
| IOT 680      | 680                   | 69                             | 48                             | 130                                | 130                    | Open top                |
| IOT 1000     | 1000                  | 67.5                           | 72                             | 340                                | 340                    | Open top                |

# Double Wall Base Containers



Rectangular, low profile, chemical storage tank for various material handling applications. Features a primary tank that holds 450 US gallons, allowing intermediate bulk containers (IBC) to be quickly emptied and get back on the road. Constructed from crosslink polyethylene or FDA-approved and NSF-certified linear polyethylene.

| Model Number | Capacity (US Gallons) | Dimensions (Inches) |        |        | Weight (Pounds) Liner and Crosslink Polyethylene |                 | Access Opening (Inches) |
|--------------|-----------------------|---------------------|--------|--------|--------------------------------------------------|-----------------|-------------------------|
|              |                       | Width               | Length | Height | 1.9 Sp. Gravity                                  | 2.2 Sp. Gravity |                         |
| BC 450       | 450                   | 73                  | 73     | 44     | 802                                              | N/A             | 11                      |

*Model number availability and individual specifications subject to change without notice. Gallonage and weights are approximate.*

# Industrial Mini Bulk and Mini Drum Tanks



Assmann industrial mini bulk (IMB) and industrial mini drum (IMD) tanks are molded in either high-density cross-link polyethylene or NSF-certified linear polyethylene.

Molded polyethylene skids are optional for both IMB 120 and 200 models. These skids allow the tank to be lifted and relocated during non-use periods. These non-standard-size storage tanks have unique features, including molded-in baffles and forklift access.

| Model Number | Capacity (US Gallons) | Dimensions (Inches) |        | Weight (Pounds) 1.9 Sp. Gravity |                        | Access Opening (Inches) |
|--------------|-----------------------|---------------------|--------|---------------------------------|------------------------|-------------------------|
|              |                       | Diameter            | Height | Linear Polyethylene             | Crosslink Polyethylene |                         |
| IMB 120      | 120                   | 40                  | 30     | 40                              | 40                     | 6                       |
| IMB 200      | 200                   | 40                  | 44     | 50                              | 50                     | 6                       |
| IMD 110      | 110                   | 37                  | 32     | 35                              | 35                     | 6                       |
| IMD 175      | 175                   | 37                  | 45     | 50                              | 50                     | 6                       |

A man in a green t-shirt and blue jeans is operating a large industrial machine in a factory. The machine has a large circular component and a control panel. The background shows the industrial structure of the factory with steel beams and lights.

OUR TANKS  
MAKE IT EASY  
TO KEEP  
OUR WORD.

# Rectangular Secondary Containment Basins



Assmann rectangular secondary containment basins (IRD) are molded-in virgin high-density cross-linked or FDA-compliant linear polyethylene and meet or exceed EPA requirements for containment of dangerous chemicals.

Our basins feature a tapered design for nesting during shipping. When determining the size of secondary containment basins, always refer to factory drawings to confirm primary storage tank size compatibility.

Rectangular Secondary Containment Basins are not designed to be used for primary storage.

| Model Number | Capacity (US Gallons) | Dimensions (Inches) |       |        | Contains Tank Max. Diameter (Inches) | Access Opening (Inches) |
|--------------|-----------------------|---------------------|-------|--------|--------------------------------------|-------------------------|
|              |                       | Length              | Width | Height |                                      |                         |
| IRD 40       | 52                    | 32                  | 26    | 20     | 20                                   | 25                      |
| IRD 80       | 95                    | 47                  | 32    | 20     | 24                                   | 40                      |
| IRD 140      | 155                   | 52                  | 38    | 24     | 29                                   | 65                      |
| IRD 185      | 185                   | 64                  | 52    | 16     | 40                                   | 47                      |
| IRD 200      | 200                   | 57 1/2              | 45    | 24     | 35                                   | 75                      |
| IRD 240      | 240                   | 60                  | 43    | 28     | 35                                   | 80                      |
| IRD 275      | 275                   | 64 1/2              | 52    | 24     | 42                                   | 75                      |
| IRD 330      | 330                   | 72                  | 43    | 31     | 35                                   | 90                      |
| IRD 375      | 375                   | 66                  | 66    | 24     | 58                                   | 100                     |
| IRD 385      | 385                   | 91                  | 63    | 19     | 50                                   | 90                      |
| IRD 440      | 440                   | 72                  | 60    | 30     | 54                                   | 175                     |
| IRD 495      | 495                   | 69                  | 69    | 29     | 61                                   | 125                     |
| IRD 660      | 660                   | 83                  | 64    | 40     | 48                                   | 220                     |
| IRD 950      | 950                   | 83                  | 83    | 46     | 68                                   | 320                     |
| IRD 1650     | 1650                  | 99                  | 99    | 53     | 84                                   | 400                     |
| IRD 1750     | 1750                  | 218                 | 108   | 21     | 2 each 90                            | 400                     |
| IRD 3500     | 3500                  | 218                 | 108   | 40     | 2 each 90                            | 700                     |

*Model number availability and individual specifications subject to change without notice. Gallonage and weights are approximate.*

# Cylindrical Secondary Containment Basins



Our cylindrical secondary containment basins (IRD) are available in either virgin high-density cross-linked or FDA-compliant linear polyethylene and meet or exceed EPA standards for containment of dangerous chemicals.

A 2" x 2" x 3/16" angle iron top support ring is optional and can be ordered separately. Epoxy-painted mild steel or 316 stainless steel rings are also available.

Model numbers shown below with \* are not designed to be used as primary storage tanks.

| Model Number | Capacity (US Gallons) | Dimensions (Inches) |            | Contains Tank Max. Diameter (Inches) |
|--------------|-----------------------|---------------------|------------|--------------------------------------|
|              |                       | Diameter            | Cut Height |                                      |
| IRD 550*     | up to 690             | 60                  | 0 to 58    | 48                                   |
| IRD 1050*    | up to 1200            | 72                  | 58 to 72   | 64                                   |
| IRD 1550*    | 1200 - 1800           | 72                  | 72 to 108  | 64                                   |
| IRD 2300     | 1800 - 2300           | 72                  | 108 to 135 | 64                                   |
| IRD 1100     | up to 982             | 86                  | 0 to 40    | 82                                   |
| IRD 1500A    | 982 to 1301           | 86                  | 40 to 53   | 82                                   |
| IRD 2000     | 1301 to 1891          | 86                  | 53 to 77   | 82                                   |
| IRD 2500     | 1891 to 2406          | 86                  | 77 to 98   | 82                                   |
| IRD 3000     | up to 2881            | 90                  | 0 to 107   | 86                                   |
| IRD 4000     | 2881 to 3877          | 90                  | 107 to 144 | 86                                   |
| IRD 1850     | up to 1760            | 96                  | 0 to 58    | 92                                   |
| IRD 2400     | 1760 to 2277          | 96                  | 58 to 75   | 92                                   |
| IRD 2900     | 2277 to 2762          | 96                  | 75 to 91   | 92                                   |
| IRD 4100     | up to 3900            | 119                 | 0 to 84    | 115                                  |
| IRD 4200     | 2762 to 4200          | 96                  | 91 to 140  | 92                                   |
| IRD 5600     | 4200 to 5300          | 96                  | 140 to 177 | 92                                   |
| IRD 5200     | up to 4800            | 105                 | 0 to 133   | 101                                  |
| IRD 6500     | 4800 to 6200          | 105                 | 133 to 172 | 101                                  |
| IRD 5500     | 3900 to 5400          | 119                 | 84 to 116  | 115                                  |
| IRD 6510     | 5400 to 6100          | 119                 | 116 to 131 | 115                                  |
| IRD 8000     | up to 7800            | 143                 | 0 to 116   | 139                                  |
| IRD 10000    | 7800 to 9900          | 143                 | 116 to 147 | 139                                  |
| IRD 12000    | 9900 to 11000         | 143                 | 147 to 163 | 139                                  |

Model number availability and individual specifications subject to change without notice. Gallonage and weights are approximate. All wall thicknesses conform to ASTM D-1998.

A man with a beard, wearing a red t-shirt and blue nitrile gloves, is holding a handheld electronic device. The device has a screen displaying a colorful grid pattern and several buttons. A cable is plugged into the top of the device. The background is a plain, light-colored wall.

# WE'VE THOUGHT OF EVERYTHING.

SO YOU DON'T HAVE TO WORRY  
ABOUT ANYTHING.

# Accessories

Assmann offers a wide variety of accessories to complement our storage tank line. These accessories vary in material type. The table on this page identifies the material options available for the accessories on the upcoming pages.

## LEGEND

| Abbreviation  | Material                       | Abbreviation      | Material                           | Abbreviation  | Material                  |
|---------------|--------------------------------|-------------------|------------------------------------|---------------|---------------------------|
| <b>PVC</b>    | Polyvinyl Chloride             | <b>PVDF</b>       | Polyvinylidene Fluoride            | <b>Has</b>    | Hastelloy                 |
| <b>P/P</b>    | Polypropylene                  | <b>Tit</b>        | Titanium                           | <b>VITON®</b> | DuPont Fluoroelastomer    |
| <b>316 SS</b> | Type 316 Stainless Steel       | <b>Virgin P/P</b> | Unpigmented Virgin Polypropylene   | <b>XLPE</b>   | Cross-linked Polyethylene |
| <b>CPVC</b>   | Chlorinated Polyvinyl Chloride | <b>EPDM</b>       | Ethylene Propylene Diene Copolymer | <b>BUNA-N</b> | Butadiene Elastomer       |

| Accessory       | Fitting Material | Encapsulated Bolt Bolt/Capsule                                      | Flange Gasket                   | Flange Adapter | Siphon Drain |
|-----------------|------------------|---------------------------------------------------------------------|---------------------------------|----------------|--------------|
| Flange Fittings | PVC              | SS/EPDM<br>SS/VITON<br>Titanium/EPDM<br>Titanium/VITON<br>Has/VITON | EPDM<br>VITON<br>XLPE<br>BUNA-N | PVC            | PVC          |
|                 | P/P              |                                                                     |                                 | P/P            | P/P          |
|                 | 316 SS           |                                                                     |                                 | 316 SS         | 316 SS       |
|                 | CPVC             |                                                                     |                                 | CPVC           | CPVC         |
|                 | PVDF             |                                                                     |                                 | PVDF           | PVDF         |
|                 | Virgin P/P       |                                                                     |                                 | Virgin P/P     | Virgin P/P   |

| Accessory         | Fitting Material | Flange Gasket                   | Flange Adapter | Siphon Drain |
|-------------------|------------------|---------------------------------|----------------|--------------|
| Bulkhead Fittings | PVC              | EPDM<br>VITON<br>XLPE<br>BUNA-N | PVC            | PVC          |
|                   | P/P              |                                 | P/P            | P/P          |
|                   | CPVC             |                                 | CPVC           | CPVC         |
|                   | PVDF             |                                 | PVDF           | PVDF         |
|                   | Virgin P/P       |                                 | Virgin P/P     | Virgin P/P   |

| Accessory          | Type               | Gasket                          | Flange Adapter                           | Siphon Drain                             |
|--------------------|--------------------|---------------------------------|------------------------------------------|------------------------------------------|
| Hastelloy          | Male - Double Male | EPDM<br>VITON<br>XLPE<br>BUNA-N | PVC<br>P/P<br>CPVC<br>PVDF<br>Virgin P/P | PVC<br>P/P<br>CPVC<br>PVDF<br>Virgin P/P |
| Stainless Fittings | Male               |                                 |                                          |                                          |
|                    | Female             |                                 |                                          |                                          |
|                    | Double Male        |                                 |                                          |                                          |
| Titanium           | Male - Double Male |                                 |                                          |                                          |

| Accessory                      | Fitting Material | Flange Gasket                   | Flange Adapter     |
|--------------------------------|------------------|---------------------------------|--------------------|
| Self-Aligning<br>Dome Fittings | PVC<br>CPVC      | EPDM<br>VITON<br>XLPE<br>BUNA-N | PVC<br>CPVC<br>P/P |

| Accessory         | U-Vent Material                                       | Gasket                          | Screen          |
|-------------------|-------------------------------------------------------|---------------------------------|-----------------|
| U-Vent Assemblies | PVC Sch 40<br>PVC Sch 80<br>P/P Sch 80<br>CPVC Sch 80 | EPDM<br>VITON<br>XLPE<br>BUNA-N | Stainless Steel |

| Accessory                             | Fill Line Material | Drop Tube Material | Bracket Bolts<br>Bolt/Capsule                                       | Bracket Gasket                  | Union      |
|---------------------------------------|--------------------|--------------------|---------------------------------------------------------------------|---------------------------------|------------|
| Fill Line/<br>Drop Tube<br>Assemblies | PVC<br>P/P         | PVC<br>P/P         | SS/EPDM<br>SS/VITON<br>Titanium/EPDM<br>Titanium/VITON<br>Has/VITON | EPDM<br>VITON<br>XLPE<br>BUNA-N | PVC<br>P/P |

| Accessory                | Type                                         | Sight Gauge Material | Ball Valve Seals |
|--------------------------|----------------------------------------------|----------------------|------------------|
| Sight Gage<br>Assemblies | Single Valve<br>Double Valve<br>Triple Valve | PVC                  | EPDM<br>VITON    |

| Accessory       | Elbow Material             |
|-----------------|----------------------------|
| Anti-Foam Elbow | PVC<br>P/P<br>CPVC<br>PVDF |

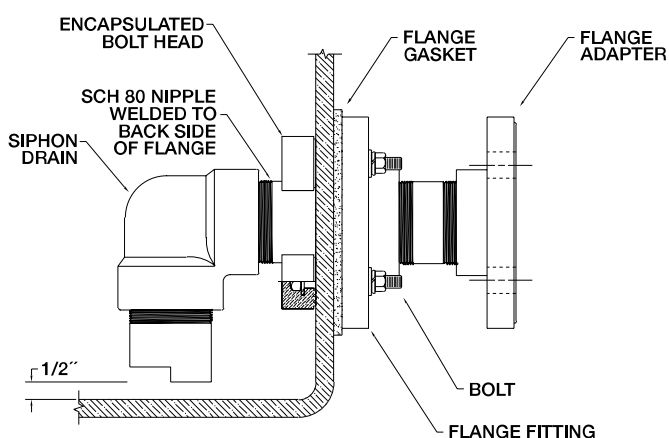


# Flange Fittings



Assmann flange fittings connect inlet or drainage plumbing through the wall of the tank. These fittings are secured by metal bolts encapsulated in EPDM or VITON elastomers which provide compression for a positive seal.

- **Order by size and material**
- **Bolts, gasket, and flange** must be ordered separately
- **ANSI-150 psi flange adapter** consists of a nipple and flange and converts a threaded connection to a mating flange. Length of the adapter can be made to your specifications
- **Siphon drain** consists of welded nipple, 90-degree elbow and nipple to extend to 1/2" above tank floor



Flange Fittings Available Sizes (Inches)

| Size  | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 6 | 8 |
|-------|-----|-----|---|-------|-------|---|-------|---|---|---|---|
| Bolts | 4   | 4   | 4 | 4     | 4     | 4 | 4     | 4 | 8 | 8 | 8 |

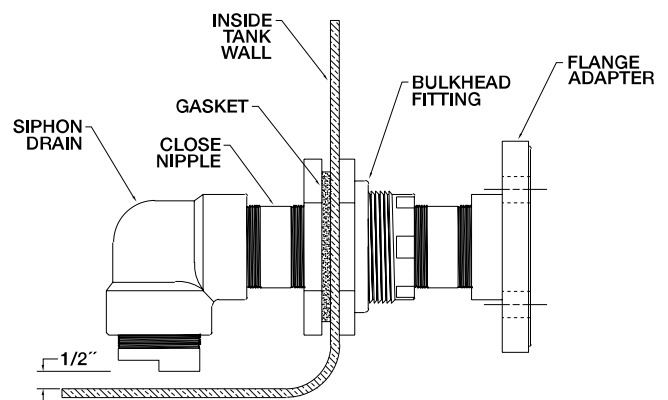


## Bulkhead Fittings



Bulkhead fittings are an economical choice for tank-to-plumbing connections. These fittings are available in a variety of materials.

- **Bulkhead fittings and gaskets** must be ordered separately
- **Assmann's ANSI-150 psi flange adapter** consists of a nipple and flange and converts a threaded connection to a mating flange
- **Siphon drains** are threaded to fit to bulkhead fittings

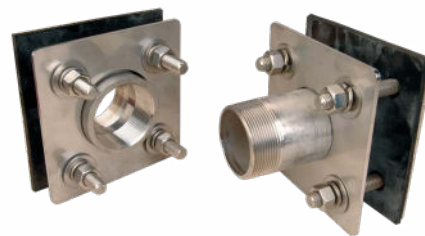


**Bulkhead Fittings** Available Sizes (Inches)

| Size | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 3 | 4 |
|------|-----|-----|---|-------|-------|---|---|---|
|------|-----|-----|---|-------|-------|---|---|---|



## 316 Stainless Steel, Hastelloy and Titanium Fittings.

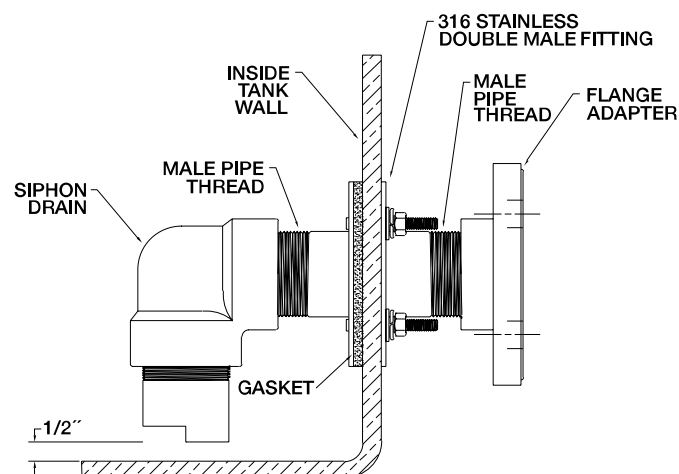


These fittings provide a through-tank wall connection for applications that you wish to avoid cross-section exposure. Ideal for harsh chemical applications where longevity is critical. All components except the gasket are made of 316 stainless steel, Hastelloy or Titanium.

### THERE ARE THREE TYPES IN NINE SIZES:

- **Male fitting:** Male pipe thread outside tank wall only
- **Female fitting:** Female pipe thread inside and outside of tank wall (*Note: female fittings are not available in Hastelloy or Titanium*)
- **Double male fitting:** Male pipe thread inside and outside of tank wall

The flange adapter and siphon drain (if applicable) can be applied to all three material types listed above.



316 Stainless Steel Fittings Available Sizes (Inches)

| Size  | 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 2 | 2 1/2 | 3 | 4 |
|-------|-----|-----|---|-------|-------|---|-------|---|---|
| Bolts | 4   | 4   | 4 | 4     | 4     | 4 | 4     | 8 | 8 |

*These fittings are also available in hastelloy and titanium construction, male and double male only.*

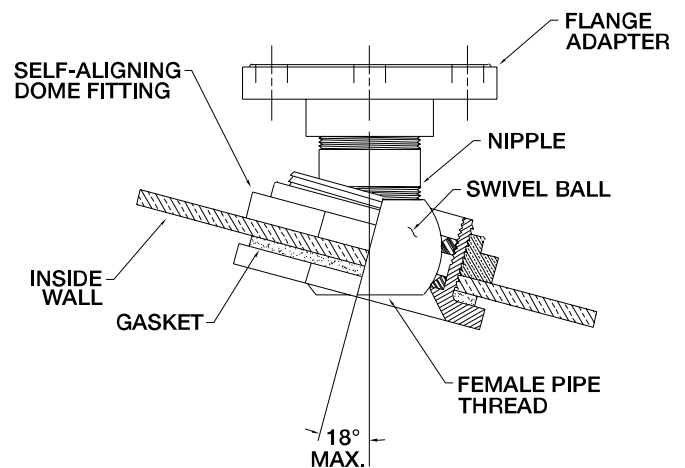


# PVC Self-Aligning Dome Fittings



Assmann PVC and CPVC self-aligning dome fittings provide a vertical plumbing connection at the top of tanks with a radius dome. Sizes 1" through 3" are available. Fabricated flanged dome fittings are available for sizes larger than 3", consult our factory for further information on this style fitting. Note Self-Aligning fittings cannot be used below liquid level or on the sidewall of any storage tank.

- **The ball socket design** corrects for the slope of the dome
- **The fittings have female pipe thread** inside and outside of tank wall
- **Fitting and gasket** must be ordered separately



Self-Aligning Dome Fittings Available Sizes (Inches)

|       |   |   |   |
|-------|---|---|---|
| Size  | 1 | 2 | 3 |
| Bolts | 4 | 4 | 4 |

# Polyethylene Welded Connections for Linear Tanks



FDA-compliant welded polyethylene fittings are designed for use in food, cosmetic, and pharmaceutical industries. Certified welders provide a variety of custom-welded accessories. Polyethylene welded fittings and some welded accessories may only be welded to 1.9 specific gravity or higher tanks.

**Polyethylene Full Female Couplers**  
Available Sizes (Inches)

| Size | 3/4 | 1 | 1 1/2 | 2 | 3 |
|------|-----|---|-------|---|---|
|------|-----|---|-------|---|---|

**Polyethylene Flange Connections**  
Available Sizes (Inches)

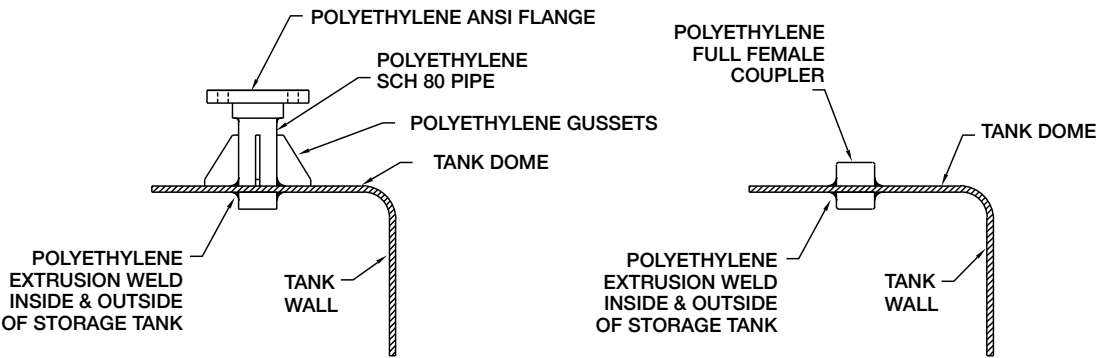
| Size | 1 | 2 | 3 | 4 | 6 | 8 | 10 | 12 |
|------|---|---|---|---|---|---|----|----|
|------|---|---|---|---|---|---|----|----|

**Polyethylene Pipe Support Brackets**  
Available Sizes (Inches)

| Size | 1-3 | 4-6 | 6-12 |
|------|-----|-----|------|
|------|-----|-----|------|

**Polyethylene Sch 80 Pipe Per Foot**  
Available Sizes (Inches)

| Size | 1 | 2 | 3 | 4 | 6 | 8 | 10 | 12 |
|------|---|---|---|---|---|---|----|----|
|------|---|---|---|---|---|---|----|----|

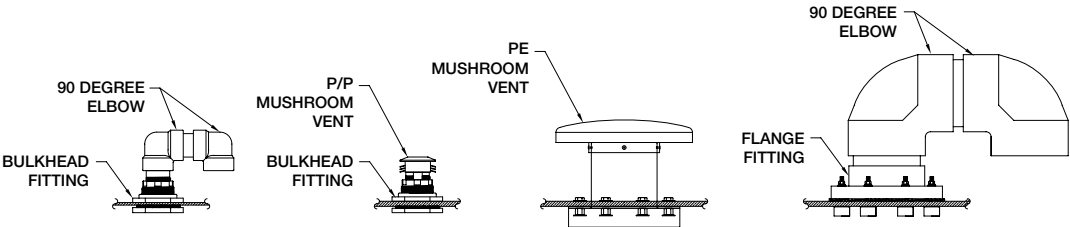


# Vent Assemblies

Assmann vent assemblies are available in sizes from 2" to 6". Vent gasket and bolts (where applicable) must be ordered separately. Polyethylene or stainless steel screens are optional and must be ordered separately.

**Vent Assembly Sizes** (Inches)

| Size | 2 | 3 | 4 | 6 |
|------|---|---|---|---|
|------|---|---|---|---|



# Fill Line / Suction Line Assemblies



Our fill line and suction line assemblies make it possible to fill your tank from a convenient position outside the tank.

## THE FILL LINE INCLUDES:

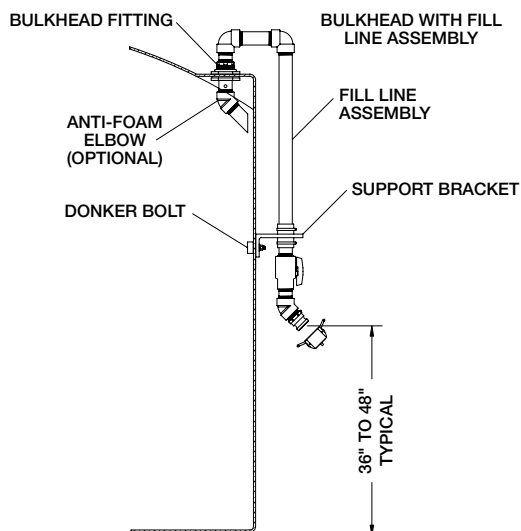
- Exterior drop tube
- 90-degree elbow
- Ball valve
- Male quick disconnect coupling
- Dust cap
- Exterior pipe support bracket

## THE INTERIOR SUCTION LINE ASSEMBLY INCLUDES:

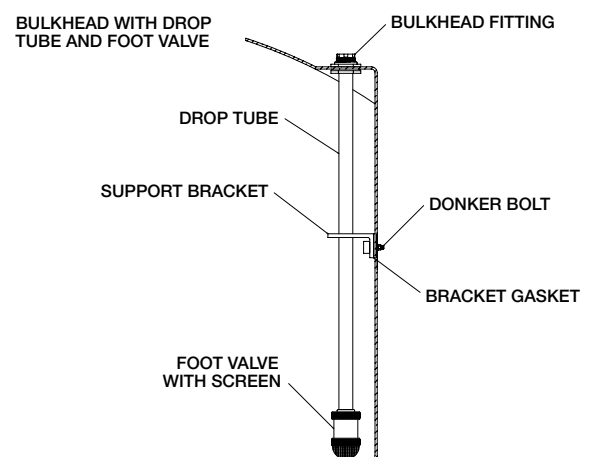
- Interior drop tube
- Pipe support bracket
- Optional foot valve with screen

Gasket and bolts must be ordered separately. Optional union may be ordered with exterior fill line. Optional foot valve may be ordered with internal suction line. Fill line and suction line assemblies do not include through-wall fittings.

### Fill Line / Anti-Foam Elbows



### Top Suction



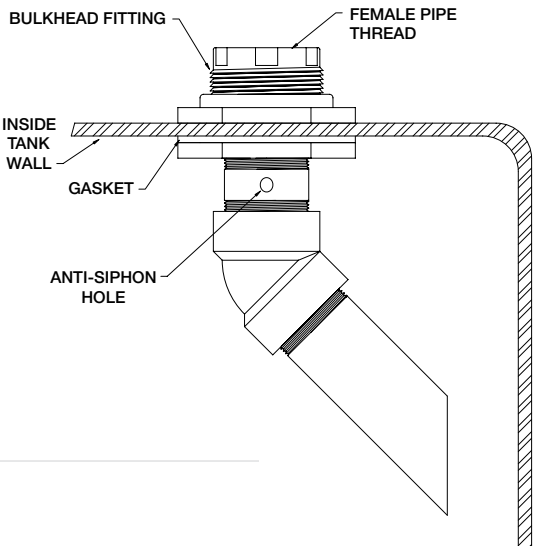
*All fitting sizes and accessories do not fit all storage tanks. Please consult factory or contact your local Assmann Distributor for technical clarifications.*

# Anti-Foam Elbow

This assembly with 45-degree elbow and nipple extends to within 3" of the tank wall and directs liquid to run smoothly down the interior surface of the tank. This will reduce the generation of foam on the surface of the contents. Through-wall fitting is not included and must be ordered separately.

Anti-Foam Elbow Available Sizes (Inches)

| Size | 1 | 2 | 3 | 4 |
|------|---|---|---|---|
|------|---|---|---|---|



# Sight Gauge Assemblies

Assmann sight gauge assemblies of 3/4" PVC tubing and fittings are available in single-, double-, and triple-valve configurations.

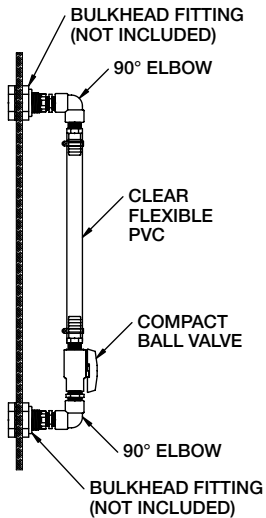
ASSEMBLY INCLUDES:

- Ball valve(s)
- Nipples
- 90-degree elbows

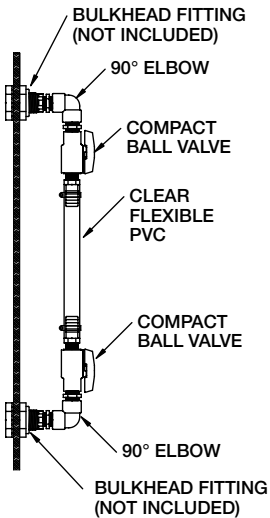
- Stainless steel hose clamps
- Hose barbs
- Clear flexible PVC
- Threaded T-fitting where applicable

Through-wall fittings and/or bulkhead fittings are not included and must be ordered separately.

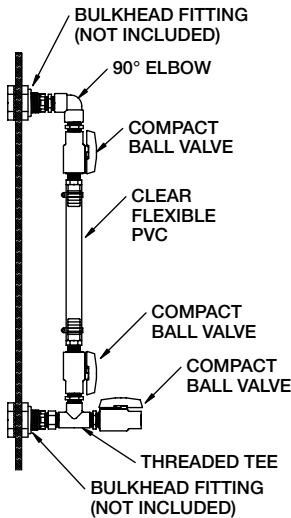
## Single Valve Sight Gauge



## Double Valve Sight Gauge



## Triple Valve Sight Gauge



# Reverse Float Level Indicator

Our reverse float level indicator is an excellent way to eliminate sidewall penetrations on your polyethylene tank.

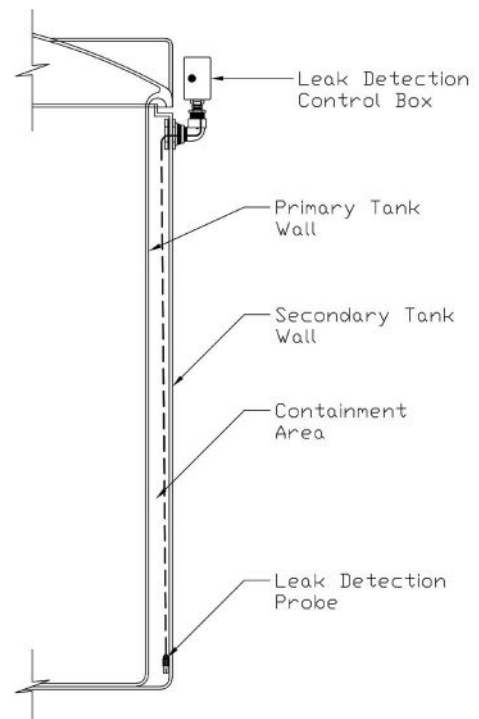
This system shows liquid level in your storage tank by utilizing a molded polyethylene float that rides on the liquid within. A bright orange target shows the liquid level in reverse action: as the liquid in the tank drops, the bright orange target rises, so you can have an approximate read on the level in the tank.

This gauge is ideal for use on colored tanks, insulated tanks, or double wall tanks when you cannot see the liquid level through the tank wall.



# Leak Detection System

Our leak detectors are designed with a NEMA 4X enclosure, which makes them suitable for both indoor and outdoor double wall tank applications. The control box is built from sturdy FRP construction with stainless steel lid hinge and clasp.

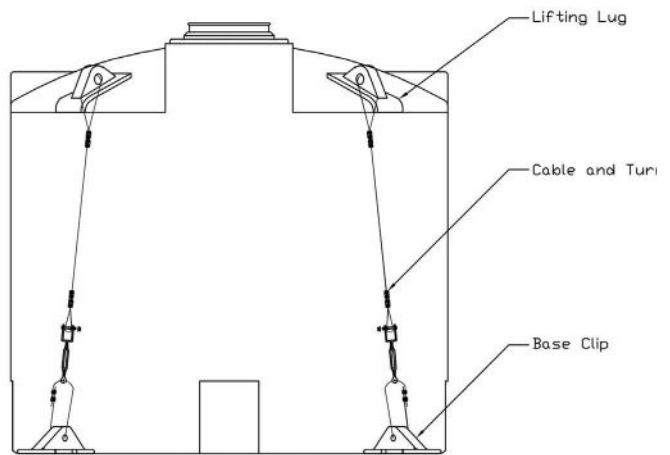
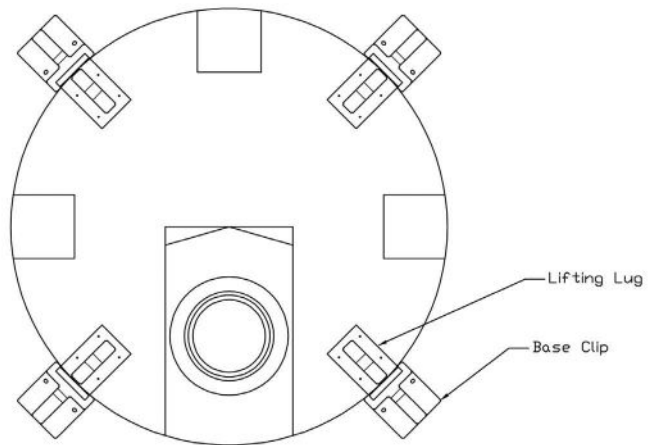


# Restraint Tie-Down and Lifting Lugs System



Our unique molded polyethylene restraint and lifting lugs system is the first ever polyethylene restraint system that combines both a restraint and a lifting system all in one package. Site-specific calculations prove that both the tank and system are designed to meet the site criteria. This system is the most economical engineered system on the market today.

- **Engineered for long-term exposure** in corrosive environments
- **Easily installed with factory cabling**, this system has been certified on applications with 150 MPH sustained wind loads
- **Reduced over-turning moment** due to the unique bump stop that encompasses the tank's knuckle radius
- **Easy empty tank placement and removal** thanks to the mechanically fastened lifting lugs. Cable types available are either galvanized or 316 stainless steel.
- **Zoning:** Assmann also offers restraint systems that can be installed in the field. These systems were certified to UBC1997 standards for Seismic Zone 4 and 120 MPH wind loads. While these standards are outdated, this system can still be used and possibly certified when "in the field" installations are required.



# Tank Heat Tracing and Insulation



Assmann tanks are available with a heating system to maintain the level required by temperature-sensitive stored liquids.

We wrap the tank with water-resistant, adhesive-backed heat tracing elements and cover them with a two-inch thick layer of polyurethane foam insulation and two coats of mastic.

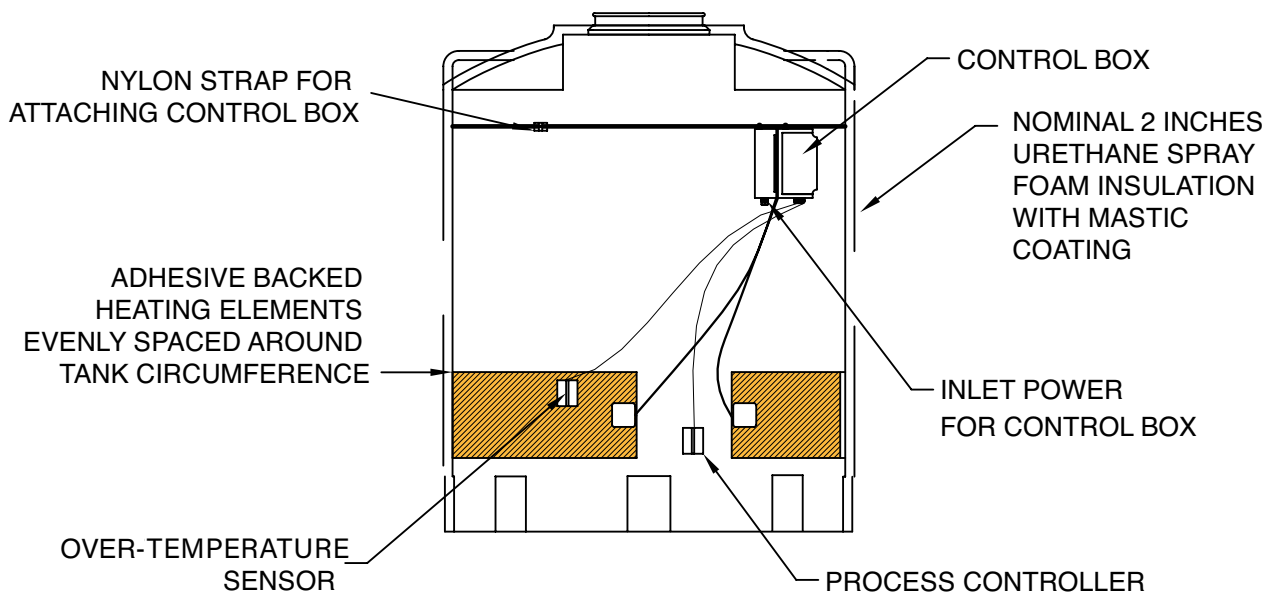
A control panel regulates temperature measured by high-level and maintenance-level thermostats set to desired limits. Using different heat tracing elements, temperature can be maintained at any point above 50°F, 80°F, or 100°F over the lowest ambient temperature to which the tank is subjected.

## AVAILABLE FOR:

- Vertical tanks from 300 to 12,000 gallons capacity
- Conical bottom tanks from 1,575 to 4,200 gallons
- Horizontal cylindrical tanks from 500 to 2,500 gallons

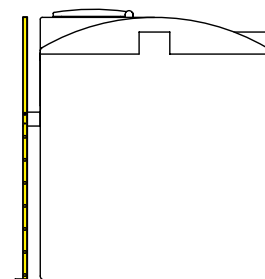
When requesting information, specify the gallon capacity and the Delta T (DT) for your material. The temperature differential is calculated by subtracting the minimum ambient temperature to which the tank is subject from the temperature at which your material must be maintained.

Control box (115V dual thermostats, 1 high level, 1 maintenance level).





# Fiber-Reinforced Ladder Assemblies



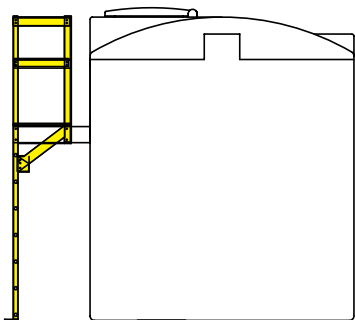
Assmann fiber-reinforced ladders conform to OSHA requirements and allow you to easily access tank lids and accessories.

## LADDER ASSEMBLIES ARE AVAILABLE IN FOUR CONFIGURATIONS:

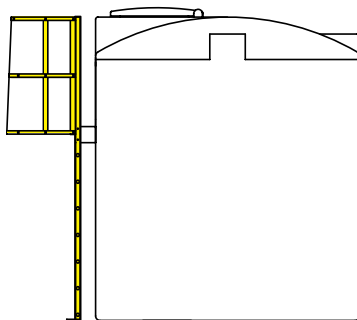
- Ladder
- Ladder with platform
- Ladder with cage
- Ladder with cage and platform

These ladders are not designed to gain entry into the interior of tanks or for access to dome.

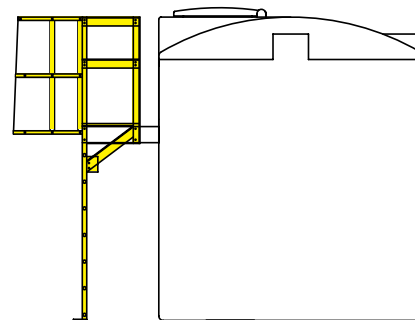
**FRP Ladder with Platform**



**FRP Ladder with Cage**



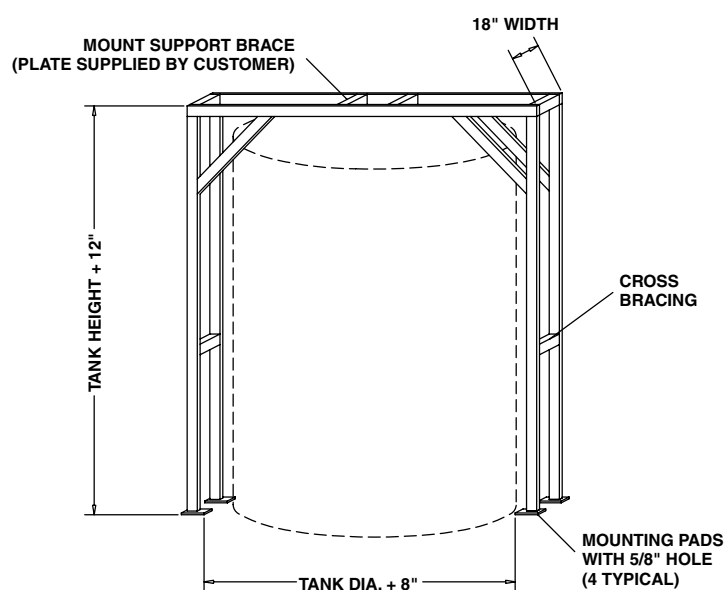
**FRP Ladder with Cage & Platform**





# Agitator Support Brackets for Vertical and Conical Tanks

Our self-supporting agitator support brackets are designed to handle mixers with horsepower ratings of 3 or 5 HP. Agitator support stands are made from mild steel and are epoxy painted as a standard. 304 stainless steel is optional.



CUSTOMER TO PROVIDE MIXER MOUNTING HOLES/BOLTS OR PLATE ONSITE  
 3HP WITH 18" MOUNTING SUPPORT SPACING 2" x 2" x 3/16" TUBE 4" x 6" x 1/4" MOUNTING PADS  
 5HP WITH 24" MOUNTING SUPPORT SPACING 3" x 3" x 3/16" TUBE 4" x 8" x 1/4" MOUNTING PADS

# Your Pre-Quote Checklist

HELP US GIVE YOU THE BEST QUOTE

The more details you can share, the better our recommendations. Use this checklist to gather all of your important information in one place, and then contact your Assmann team.

|                                               |  |
|-----------------------------------------------|--|
| Chemical or fluid to be stored                |  |
| Volume/gallons to be stored                   |  |
| Type of polyethylene for intended application |  |
| Address of installation location              |  |

|                                                        |  |
|--------------------------------------------------------|--|
| Estimated completion date desired                      |  |
| Number of tanks, model, dimensions, color anticipated  |  |
| Fittings, size, material desired                       |  |
| Space limitations, ambient environment characteristics |  |
| Temperature maintenance requirements                   |  |
| Other information you need to share                    |  |

# Assmann Product Ratings and Temperature Performance

This information is based on our experience, research, and support from other published chemical resistance charts. It is believed to be reliable; it is, however, intended to be used only as a guide. Assmann Corporation of America assumes no responsibility in connection with its use.

Additional assistance should be requested if there are doubts about compatibility, sustainability, warranty, allowable transportability, or storage in Assmann products.

## SERVICE TEMPERATURE LIMITATIONS

**Cross-linked polyethylene:** -40° F to +150° F

**Linear polyethylene:** -20° F to +120° F

**Note:** Constant service temperatures above 100° F greatly reduce useful tank life, please consult factory.

| Ratings | Chemical Attack |                 |                              |
|---------|-----------------|-----------------|------------------------------|
| A       | No Effect       | Excellent       | At ambient temperature       |
| B       | Minor Effect    | Good            | At ambient temperature       |
| C       | Moderate Effect | Fair            | Additional research required |
| D       | Severe Effect   | NOT RECOMMENDED |                              |
| —       | No Data         |                 |                              |

| Chemical Name                | Polyethylene | Polypropylene | PVC | 316 Stainless Steel | Titanium | Hastelloy C-276 | Viton | EPDM |
|------------------------------|--------------|---------------|-----|---------------------|----------|-----------------|-------|------|
| Acetic Acid* 1-10%           | A            | A             | B   | A                   | B        | A               | C     | A    |
| Acetic Acid* 10-60%          | A            | A             | C   | A                   | B        | A               | C     | A    |
| Acetic Acid* 80-100%         | A            | A             | C   | A                   | B        | A               | C     | B    |
| Aluminum Chloride-dilute     | A            | A             | A   | C                   | A        | A               | A     | A    |
| Aluminum Chloride-conc.      | A            | -             | A   | C                   | A        | A               | A     | A    |
| Aluminum Fluoride-conc.      | A            | A             | A   | C                   | A        | B               | -     | A    |
| Aluminum Sulfate-conc        | A            | A             | A   | A*                  | A        | A               | A     | A    |
| Alums (all types) conc***    | A            | A             | A   | A                   | A        | A               | A     | A    |
| Ammonia 100% Dry Gas         | A            | A             | A   | A                   | A        | -               | -     | B    |
| Ammonium Carbonate           | A            | A             | A   | A                   | A        | B               | B     | C    |
| Ammonium Chloride-sat'd      | A            | A             | A   | A                   | -        | A               | B     | A    |
| Ammonium Fluoride 20%        | A            | -             | A   | -                   | -        | -               | -     | -    |
| Ammonium Hydroxide 0,888 sq  | A            | A             | A   | A                   | A        | A               | B     | A    |
| Ammonium Metaphosphate sat'd | A            | A             | A   | -                   | -        | -               | -     | -    |
| Ammonium Nitrate sat'd       | A            | A             | A   | A                   | A        | A               | B     | A    |
| Ammonium Persulfate sat'd    | A            | A             | A   | A                   | -        | A               | A     | B    |

| Chemical Name              | Polyethylene | Polypropylene | PVC | 316 Stainless Steel | Titanium | Hastelloy C-276 | Viton | EPDM |
|----------------------------|--------------|---------------|-----|---------------------|----------|-----------------|-------|------|
| Ammonium Sulfate sat'd     | A            | A             | A   | A                   | A        | B               | -     | A    |
| Ammonium Sulfide sat'd     | A            | -             | -   | A                   | A        | B               | D     | A    |
| Ammonium Thiocyanate sat'd | A            | -             | -   | -                   | -        | -               | -     | -    |
| Amyl Alcohol* 100%         | A            | A             | A   | A                   | -        | A               | B     | A    |
| Aniline 100%               | A            | B             | A   | A                   | C        | B               | D     | A    |
| Antimony Chloride          | A            | -             | -   | -                   | -        | -               | -     | A    |
| Barium Carbonate sat'd     | A            | A             | A   | A                   | A        | -               | -     | A    |
| Barium Chloride            | A            | A             | A   | A                   | A        | A               | B     | -    |
| Barium Hydroxide           | A            | A             | A   | A                   | B        | B               | A     | A    |
| Barium Sulfate sat'd       | A            | A             | A   | A                   | -        | -               | A     | A    |
| Barium Sulfide sat'd       | A            | A             | A   | A                   | -        | -               | A     | A    |
| Benzene Sulfonic Acid*     | A            | D             | -   | -                   | -        | -               | -     | A    |
| Borax Cold sat'd           | A            | A             | A   | A                   | A        | A               | A     | A    |
| Boric Acid Dilute          | A            | A             | A   | A                   | A        | A               | A     | A    |
| Boric Acid Conc            | A            | A             | A   | A                   | -        | A               | A     | A    |
| Bromic Acid 10%            | A            | D             | -   | -                   | -        | -               | -     | -    |

| Chemical Name               | Polyethylene | Polypropylene | PVC | 316 Stainless Steel | Titanium | Hastelloy C-276 | Viton | EPDM |
|-----------------------------|--------------|---------------|-----|---------------------|----------|-----------------|-------|------|
| Calcium Bisulfide           | A            | A             | A   | B                   | A        | A               | A     | -    |
| Calcium Carbonate sat'd     | A            | A             | A   | A                   | A        | A               | A     | A    |
| Calcium Chlorate sat'd      | A            | A             | A   | -                   | A        | -               | -     | A    |
| Calcium Chloride sat'd      | A            | A             | A   | A                   | A        | A               | A     | A    |
| Calcium Hydroxide           | A            | A             | A   | A                   | A        | A               | A     | A    |
| Calcium Hypochlorite Bleach | A            | A             | A   | B                   | A        | A               | A     | A    |
| Calcium Nitrate 50%         | A            | -             | A   | -                   | -        | -               | -     | A    |
| Calcium Sulfate             | A            | A             | A   | A                   | -        | B               | A     | A    |
| Carbon Dioxide 100% Dry     | A            | A             | A   | A                   | A        | -               | B     | A    |
| Carbon Dioxide 100% Wet     | A            | A             | A   | A                   | A        | -               | B     | A    |
| Carbon Dioxide Cold sat'd   | A            | -             | A   | A                   | A        | -               | B     | A    |
| Carbonic Acid               | A            | -             | A   | B                   | -        | A               | A     | A    |
| Castor Oil* Conc            | A            | -             | A   | -                   | -        | A               | A     | A    |
| Chrome Alum sat'd           | A            | -             | B   | -                   | -        | -               | A     | B    |
| Chromic Acid 20%            | A            | A             | B   | A                   | A        | A               | A     | D    |
| Cider*                      | A            | -             | A   | A                   | -        | -               | A     | -    |
| Citric Acid* sat'd          | A            | B             | A   | A                   | A        | A               | A     | A    |
| Coconut Oil Alcohols*       | A            | -             | -   | A                   | -        | -               | A     | D    |
| Cola Concentrates*          | A            | -             | -   | A                   | -        | -               | -     | -    |
| Copper Chloride sat'd       | A            | A             | A   | D                   | A        | -               | A     | A    |
| Copper Cyanide sat'd        | A            | A             | A   | A                   | -        | A               | A     | A    |
| Copper Flouride 2%          | A            | -             | A   | D                   | -        | -               | -     | -    |
| Copper Nitrate sat'd        | A            | A             | A   | A                   | A        | A               | A     | -    |
| Copper Sulfate Dilute 5%    | A            | A             | A   | A                   | A        | -               | A     | A    |
| Copper Sulfate sat'd        | A            | -             | -   | A                   | A        | -               | -     | A    |
| Cottonseed Oil*             | A            | -             | A   | A                   | -        | -               | A     | B    |
| Cuprous Chloride sat'd      | A            | -             | -   | -                   | -        | -               | A     | A    |
| Cyclohexanol*               | A            | -             | -   | A                   | -        | -               | A     | D    |
| Detergents Synthetic*       | A            | A             | A   | A                   | -        | -               | A     | A    |
| Developers, Photographic    | A            | -             | A   | A                   | A        | -               | A     | -    |
| Dextrin sat'd               | A            | -             | -   | -                   | -        | -               | -     | -    |
| Dextrose sat'd              | A            | A             | A   | -                   | -        | -               | -     | -    |
| Dibutyl Phthalate           | A            | -             | -   | -                   | -        | -               | B     | C    |
| Disodium Phosphate          | A            | A             | D   | D                   | D        | A               | A     | -    |
| Ethylene Glycol*            | A            | D             | A   | A                   | -        | -               | A     | A    |
| Ferric Chloride sat'd       | A            | A             | A   | D                   | D        | -               | A     | A    |
| Ferric Nitrate sat'd        | A            | A             | A   | A                   | -        | -               | A     | A    |
| Ferric Sulfate              | A            | A             | A   | A                   | A        | A               | A     | A    |
| Ferrous Chloride sat'd      | A            | A             | A   | D                   | A        | -               | A     | A    |
| Ferrous Sulphate            | A            | A             | A   | A                   | A        | B               | A     | A    |
| Fluoboric Acid              | A            | -             | A   | B                   | D        | A               | A     | D    |
| Fluosilicic Acid 32%        | A            | -             | A   | C                   | -        | B               | A     | A    |

| Chemical Name             | Polyethylene | Polypropylene | PVC | 316 Stainless Steel | Titanium | Hastelloy C-276 | Viton | EPDM |
|---------------------------|--------------|---------------|-----|---------------------|----------|-----------------|-------|------|
| Floussilicic Acid conc.   | A            | -             | A   | D                   | -        | B               | A     | A    |
| Formaldehyde* 40%         | A            | A             | A   | A                   | A        | A               | A     | A    |
| Formic Acid* 0-20%        | A            | A             | D   | A                   | -        | A               | B     | A    |
| Formic Acid* 20-50%       | A            | A             | D   | A                   | C        | A               | B     | A    |
| Formic Acid* 100%         | A            | A             | D   | A                   | -        | A               | B     | A    |
| Fructose sat'd            | A            | A             | A   | A                   | -        | -               | -     | -    |
| Fruit pulp                | A            | A             | A   | A                   | -        | -               | A     | -    |
| Gallic Acid sat'd         | A            | -             | -   | -                   | -        | -               | -     | A    |
| Glucose                   | A            | A             | A   | A                   | -        | -               | A     | A    |
| Glycerine*                | A            | A             | A   | A                   | A        | A               | A     | A    |
| Glycol*                   | A            | -             | A   | -                   | -        | -               | -     | A    |
| Glycolic Acid* 30%        | A            | A             | A   | -                   | -        | A               | A     | -    |
| Grape Sugar sat'd ag      | A            | A             | A   | A                   | -        | -               | -     | -    |
| Hydrobromic Acid 50%      | A            | B             | A   | D                   | A        | A               | A     | -    |
| Hydrocyanic Acid sat'd    | A            | A             | A   | -                   | C        | A               | A     | -    |
| Hydrochloric Acid 10%     | A            | A             | A   | D                   | C        | A               | A     | A    |
| Hydrochloric Acid 30%     | A            | A             | A   | D                   | C        | A               | A     | A    |
| Hydrochloric Acid 35%     | A            | A             | A   | D                   | C        | A               | A     | D    |
| Hydrochloric Acid conc.   | A            | A             | A   | D                   | C        | A               | A     | D    |
| Hydrofluoric Acid 40%     | A            | A             | D   | D                   | D        | B               | A     | D    |
| Hydrofluoric Acid 60%     | A            | D             | D   | D                   | D        | B               | A     | D    |
| Hydrofluoric Acid 75%     | A            | D             | D   | D                   | D        | B               | A     | D    |
| Hydrofluosilicic Acid     | A            | B             | B   | B                   | D        | A               | -     | A    |
| Hydrogen Bromide 10%      | A            | -             | D   | -                   | -        | -               | -     | -    |
| Hydrogen Peroxide 30%     | A            | A             | A   | A                   | B        | A               | A     | D    |
| Hydrogen Peroxide 90%     | A            | A             | A   | D                   | B        | A               | A     | D    |
| Hydrogen Phosphide 100%   | A            | -             | -   | -                   | -        | A               | -     | -    |
| Hydroquinone              | A            | -             | -   | -                   | -        | -               | -     | C    |
| Hydrogen Sulfide          | A            | A             | A   | A                   | A        | -               | D     | B    |
| Inks*                     | A            | -             | -   | A                   | -        | -               | A     | -    |
| Iodine (alc. Sol) conc.   | A            | D             | D   | D                   | A        | B               | A     | B    |
| Lactic Acid* 10%          | A            | A             | A   | -                   | A        | -               | A     | A    |
| Lactic Acid* 90%          | A            | A             | A   | A                   | A        | -               | A     | B    |
| Latex*                    | A            | A             | A   | A                   | -        | -               | A     | A    |
| Lead Acetate sat'd        | A            | A             | A   | B                   | A        | -               | D     | A    |
| Lube Oil                  | A            | A             | A   | A                   | -        | -               | A     | C    |
| Magnesium Carbonate sat'd | A            | A             | A   | A                   | -        | B               | -     | -    |
| Magnesium Chloride sat'd  | A            | A             | A   | A                   | A        | A               | A     | A    |
| Magnesium Hydroxide sat'd | A            | A             | A   | A                   | A        | -               | A     | A    |
| Magnesium Nitrate sat'd   | A            | A             | A   | A                   | -        | -               | -     | A    |
| Magnesium Sulphate sat'd  | A            | A             | A   | A                   | A        | B               | A     | A    |
| Mercuric Chloride sat'd   | A            | -             | A   | D                   | A        | B               | A     | A    |

| Chemical Name               | Polyethylene | Polypropylene | PVC | 316 Stainless Steel | Titanium | Hastelloy C-276 | Viton | EPDM |
|-----------------------------|--------------|---------------|-----|---------------------|----------|-----------------|-------|------|
| Mercurous Nitrate sat'd     | A            | -             | A   | -                   | -        | -               | -     | A    |
| Milk                        | A            | A             | A   | A                   | A        | -               | A     | A    |
| Mineral Oils                | A            | -             | A   | A                   | -        | -               | -     | D    |
| Molasses                    | A            | A             | A   | A                   | -        | -               | A     | A    |
| Nickel Chloride sat'd       | A            | A             | A   | A                   | A        | -               | A     | A    |
| Nickel Nitrate conc.        | A            | A             | A   | A                   | -        | -               | -     | -    |
| Nickel Sulfate sat'd        | A            | A             | A   | A                   | -        | -               | A     | A    |
| Nitric Acid* 0-30%          | A            | A             | A   | A                   | A        | A               | A     | A    |
| Oils & Fats                 | A            | A             | -   | A                   | -        | -               | A     | B    |
| Oleic Acid conc.            | A            | A             | A   | A                   | -        | -               | B     | D    |
| Orange Extract*             | A            | -             | -   | A                   | -        | -               | -     | -    |
| Oxalic Acid* dilute         | A            | A             | A   | -                   | C        | B               | A     | -    |
| Oxalic Acid* sat'd          | A            | A             | A   | A                   | C        | -               | A     | A    |
| Perchloric Acid 10%         | A            | -             | -   | -                   | -        | -               | -     | A    |
| Phosphoric Acid up to 30%   | A            | A             | A   | A                   | A        | A               | A     | A    |
| Phosphoric Acid over 30%    | A            | A             | A   | B                   | B        | A               | A     | A    |
| Phosphoric Acid over 90%    | A            | A             | A   | B                   | B        | A               | A     | A    |
| Phosphoric (Yellow) 100%    | A            | -             | -   | -                   | -        | -               | -     | -    |
| Phosphorus Pentoxide 100%   | A            | -             | -   | -                   | -        | -               | -     | -    |
| Photographic Solutions      | A            | A             | A   | A                   | A        | A               | -     | -    |
| Pickling Baths              |              |               |     |                     |          |                 |       |      |
| Sulfuric Acid*              | A            | -             | -   | B                   | -        | -               | A     | D    |
| Hydrochloric Acid*          | A            | -             | A   | D                   | A        | -               | A     | D    |
| Sulfuric-Nitric*            | A            | -             | -   | B                   | -        | -               | A     | D    |
| Plating Solutions           |              |               |     |                     |          |                 |       |      |
| Brass*                      | A            | A             | A   | A                   | -        | A               | -     | B    |
| Cadmium*                    | A            | A             | A   | -                   | -        | A               | -     | B    |
| Copper*                     | A            | A             | A   | -                   | -        | -               | A     | B    |
| Gold*                       | A            | A             | A   | A                   | -        | -               | A     | B    |
| Indium*                     | A            | A             | A   | A                   | -        | -               | A     | B    |
| Lead*                       | A            | A             | A   | -                   | -        | -               | A     | B    |
| Nickel*                     | A            | A             | A   | -                   | -        | -               | A     | B    |
| Rhodium*                    | A            | -             | -   | -                   | -        | -               | -     | B    |
| Silver*                     | A            | A             | A   | A                   | -        | -               | A     | B    |
| Tin*                        | A            | A             | A   | A                   | -        | -               | A     | B    |
| Zinc*                       | A            | A             | A   | A                   | A        | -               | A     | B    |
| Potassium Bicarbonate sat'd | A            | -             | A   | B                   | -        | -               | A     | A    |
| Potassium Borate 1%         | A            | -             | -   | -                   | -        | -               | -     | -    |
| Potassium Bromate 10%       | A            | -             | A   | A                   | -        | -               | -     | -    |
| Potassium Bromide sat'd     | A            | A             | A   | A                   | A        | A               | -     | A    |
| Potassium Carbonate         | A            | A             | A   | A                   | -        | B               | A     | A    |
| Potassium Chlorate sat'd    | A            | A             | A   | A                   | -        | B               | A     | A    |

| Chemical Name               | Polyethylene | Polypropylene | PVC | 316 Stainless Steel | Titanium | Hastelloy C-276 | Viton | EPDM |
|-----------------------------|--------------|---------------|-----|---------------------|----------|-----------------|-------|------|
| Potassium Chloride sat'd    | A            | A             | A   | A                   | A        | B               | A     | A    |
| Potassium Chromate 40%      | A            | A             | A   | B                   | A        | A               | A     | -    |
| Potassium Dichromate 40%    | A            | A             | A   | A                   | A        | B               | A     | A    |
| Potassium Hydroxide 20%     | A            | A             | A   | A                   | C        | B               | D     | A    |
| Potassium Hydroxide conc.   | A            | A             | A   | A                   | C        | B               | D     | A    |
| Potassium Nitrate sat'd     | A            | -             | A   | A                   | -        | B               | -     | A    |
| Potassium Perborate sat'd   | A            | -             | -   | -                   | -        | -               | A     | -    |
| Potassium Perchlorate 10%   | A            | -             | -   | -                   | -        | -               | -     | -    |
| Potassium Permanganate      | A            | A             | D   | A                   | A        | A               | A     | A    |
| Potassium Sulfate conc.     | A            | A             | A   | B                   | A        | B               | A     | A    |
| Potassium Sulfide conc.     | A            | A             | -   | -                   | A        | -               | A     | B    |
| Potassium Sulfite conc.     | A            | A             | A   | -                   | A        | -               | A     | D    |
| Potassium Persulphate sat'd | A            | -             | A   | -                   | -        | -               | -     | -    |
| Propylene Glycol*           | A            | -             | -   | A                   | -        | -               | A     | A    |
| Rayon Coagulation Bath*     | A            | -             | -   | -                   | -        | -               | -     | -    |
| Sea Water                   | A            | A             | A   | A                   | A        | -               | A     | A    |
| Selenic Acid                | A            | -             | -   | -                   | -        | -               | -     | -    |
| Shortening*                 | A            | A             | -   | A                   | -        | -               | -     | -    |
| Silicic Acid                | A            | -             | -   | -                   | -        | -               | -     | -    |
| Silver Nitrate Sol.         | A            | A             | A   | A                   | -        | -               | A     | A    |
| Soap Solution* any conc     | A            | A             | D   | A                   | -        | -               | A     | A    |
| Sodium Acetate sat'd        | A            | A             | A   | A                   | A        | -               | A     | A    |
| Sodium Benzoate 35%         | A            | -             | -   | -                   | -        | -               | -     | -    |
| Sodium Bicarbonate sat'd    | A            | A             | A   | A                   | -        | B               | A     | A    |
| Sodium Bisulfate sat'd      | A            | A             | A   | A                   | A        | A               | A     | A    |
| Sodium Bisulfite sat'd      | A            | A             | A   | A                   | A        | B               | A     | A    |
| Sodium Borate               | A            | -             | -   | -                   | -        | -               | A     | A    |
| Sodium Bromide Dilute Sol.  | A            | -             | -   | -                   | -        | -               | A     | -    |
| Sodium Carbonate conc.      | A            | A             | A   | A                   | A        | -               | A     | -    |
| Sodium Carbonate            | A            | A             | A   | A                   | A        | -               | A     | A    |
| Sodium Chlorate sat'd       | A            | A             | A   | A                   | A        | A               | A     | -    |
| Sodium Chloride sat'd       | A            | A             | A   | A                   | A        | A               | A     | -    |
| Sodium Dichromate sat'd     | A            | -             | -   | -                   | -        | -               | A     | -    |
| Sodium Hydroxide conc.      | A            | A             | A   | A                   | A        | B               | B     | A    |
| Sodium Hypochlorite to 17%* | A            | A             | A   | D                   | A        | B               | A     | B    |
| Sodium Nitrate              | A            | A             | A   | A                   | A        | -               | A     | A    |
| Sodium Sulfate              | A            | A             | A   | A                   | A        | B               | A     | A    |
| Sodium Sulfide 25%          | A            | A             | A   | A                   | A        | -               | A     | A    |
| Sodium Sulfide sat's sol    | A            | A             | A   | A                   | A        | -               | A     | A    |
| Sodium Sulfite sat'd        | A            | A             | A   | A                   | A        | -               | A     | A    |
| Stannic Chloride sat'd      | A            | -             | A   | A                   | A        | -               | A     | A    |
| Stannous Chloride sat'd sol | A            | -             | A   | A                   | A        | -               | A     | A    |

| Chemical Name             | Polyethylene             | Polypropylene | PVC | 316 Stainless Steel | Titanium | Hastelloy C-276 | Viton | EPDM |
|---------------------------|--------------------------|---------------|-----|---------------------|----------|-----------------|-------|------|
| Starch Solution* sat'd    | A                        | -             | A   | -                   | -        | -               | A     | A    |
| Stearic Acid* 100%        | A                        | D             | -   | -                   | A        | -               | A     | C    |
| Sulfuric Acid 0-50%       | A                        | A             | A   | B                   | A        | A               | A     | C    |
| Sulfuric Acid 70%         | A                        | A             | A   | B                   | D        | B               | A     | D    |
| Sulfuric Acid 80%         | A                        | D             | D   | -                   | -        | A               | A     | D    |
| Sulfurous Acid            | A                        | A             | A   | B                   | A        | B               | A     | C    |
| Tallow                    | A                        | -             | -   | A                   | -        | -               | A     | A    |
| Tannic Acid* 10%          | A                        | A             | A   | A                   | A        | -               | A     | A    |
| Tanning Extracts* Comm    | A                        | -             | A   | A                   | -        | A               | -     | -    |
| Tartaric Acid sat'd       | A                        | A             | A   | A                   | A        | B               | A     | A    |
| Transformer Oil           | A                        | A             | A   | A                   | -        | -               | A     | D    |
| Trisodium Phosphate sat'd | A                        | -             | -   | -                   | -        | -               | -     | -    |
| Urea* Up to 30%           | A                        | -             | A   | A                   | -        | -               | A     | -    |
| Urine                     | A                        | A             | A   | A                   | -        | -               | A     | -    |
| Vinegar Comm.             | A                        | A             | A   | A                   | -        | -               | A     | A    |
| Vanilla Extract*          | A                        | -             | -   | A                   | -        | -               | -     | -    |
| Water-All Types           | A                        | A             | A   | A                   | A        | A               | A     | A    |
| Wetting Agents*           | A                        | -             | -   | A                   | -        | -               | -     | -    |
| Whiskey*                  | A                        | A             | A   | A                   | -        | -               | A     | A    |
| Wines                     | A                        | A             | A   | A                   | -        | -               | A     | A    |
| Yeast                     | A                        | A             | -   | A                   | -        | -               | -     | -    |
| Zinc Chloride sat'd       | A                        | A             | -   | A                   | -        | -               | -     | -    |
| Zinc Sulfate sat'd        | A                        | A             | A   | A                   | A        | -               | A     | A    |
| * Stress Cracking Agent   | ** No Free Sulfuric Acid |               |     |                     |          |                 |       |      |

## SERVICE TEMPERATURE LIMITATIONS

**Cross-linked polyethylene:** -40° F to +150° F

**Linear polyethylene:** -20° F to +120° F

**Note:** Constant service temperatures above 100° F greatly reduce useful tank life, please consult factory.

| Ratings  | Chemical Attack |                 |                              |
|----------|-----------------|-----------------|------------------------------|
| <b>A</b> | No Effect       | Excellent       | At ambient temperature       |
| <b>B</b> | Minor Effect    | Good            | At ambient temperature       |
| <b>C</b> | Moderate Effect | Fair            | Additional research required |
| <b>D</b> | Severe Effect   | NOT RECOMMENDED |                              |
| <b>—</b> | No Data         |                 |                              |

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A welder wearing a green jacket and yellow gloves is working on a metal part in a workshop. The welder is using a welding torch to weld a metal component that is clamped in a vise. The background is dark and industrial, with various metal parts and tools visible. The text "THE ANSWER IS YES, IT CAN BE DONE." is overlaid on the image in a white, bold, sans-serif font.

THE  
ANSWER  
IS YES,  
IT CAN  
BE DONE.



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