

[Manuals.plus](#) /

› [Kuriyama](#) /

› Kuriyama Kuri Tec A4086 Series High Pressure Polyethylene Chemical Spray and Transfer Hose User Manual

Kuriyama A4086 Series

Kuriyama Kuri Tec A4086 Series High Pressure Polyethylene Chemical Spray and Transfer Hose

Model: A4086 Series

PRODUCT OVERVIEW

The Kuriyama Kuri Tec A4086 Series hose is a high-pressure, reinforced polyethylene hose designed for chemical spray and transfer applications. It offers superior chemical resistance and is suitable for demanding industrial uses.

Key features include:

- Excellent chemical-resistance
- Extremely light weight
- Excellent low temperature properties
- Silicone-free, suitable for chemical transfer
- Compliance with RoHS requirements



Figure 1: Kuri Tec A4086 Series High Pressure Hose. This image displays a segment of the blue hose, highlighting its robust construction and the reinforced inner wall designed for high-pressure chemical applications.

SETUP INSTRUCTIONS

1. **Inspection:** Before each use, visually inspect the entire length of the hose for any signs of damage, cuts, abrasions, kinks, or bulges. Check fittings for secure attachment and integrity.
2. **Compatibility:** Ensure the hose material is compatible with the chemicals being transferred. Refer to chemical compatibility charts if unsure.
3. **Connection:** Securely attach the hose to the appropriate pumps, sprayers, or transfer systems using compatible fittings. Ensure all connections are tight to prevent leaks. Do not overtighten.
4. **Routing:** Route the hose to avoid sharp bends, kinks, or areas where it might be pinched or abraded. Ensure there is sufficient slack to prevent strain on connections.
5. **Pressure Check:** Before full operation, perform a low-pressure test to check for leaks at connections and along the hose length. Gradually increase pressure to the desired operating level, ensuring it does not exceed the hose's

maximum working pressure.

OPERATING GUIDELINES

- **Working Pressure:** Do not exceed the maximum working pressure of 800 psi at 70°F (21°C) or 300 psi at 122°F (50°C). Operating above these limits can lead to hose failure and injury.
- **Temperature Range:** Operate the hose within its specified temperature range. Extreme temperatures can affect hose performance and lifespan.
- **Chemical Transfer:** When transferring chemicals, ensure proper ventilation and personal protective equipment (PPE) are used as required by the chemical's safety data sheet (SDS).
- **Avoid Kinking:** Prevent the hose from kinking during operation, as this can cause damage to the hose structure and restrict flow.
- **Sudden Pressure Changes:** Avoid sudden pressure surges or drops, which can stress the hose and fittings.

MAINTENANCE

- **Cleaning:** After each use, especially when transferring chemicals, flush the hose thoroughly with an appropriate cleaning agent or water to remove residues. Ensure the cleaning agent is compatible with the hose material.
- **Drying:** Allow the hose to dry completely before storage to prevent mildew or degradation.
- **Storage:** Store the hose in a cool, dry place away from direct sunlight, extreme temperatures, and ozone-generating equipment. Coil the hose loosely to prevent kinks and store it flat or on a hose reel.
- **Regular Inspection:** Periodically inspect the hose for wear, cracks, cuts, bulges, or any signs of degradation. Pay close attention to areas near fittings. Replace the hose immediately if any damage is found.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Hose Leaks at Connection	Loose fitting, damaged O-ring/seal, incompatible fitting.	Tighten fitting, replace O-ring/seal, ensure fitting compatibility.
Hose Leaks Along Length	Puncture, abrasion, material degradation, excessive pressure.	Inspect hose for damage. If damaged, replace the hose immediately. Ensure operating pressure is within limits.
Reduced Flow	Kink in hose, blockage, incorrect hose diameter for application.	Straighten hose, check for internal blockages, verify hose diameter is appropriate.
Hose Appears Swollen or Bulging	Exceeded maximum working pressure, chemical incompatibility, internal damage.	Immediately cease use and replace the hose. This indicates structural failure.

SPECIFICATIONS

Attribute	Detail
Brand	Kuriyama
Model	A4086 Series

Attribute	Detail
Material	Low Density Polyethylene (LDPE)
Color	Blue
Length	100 feet (30.48 meters)
Inner Diameter (ID)	3/4 inch (19.05 mm)
Maximum Working Pressure (70°F)	800 psi
Maximum Working Pressure (122°F)	300 psi
Item Weight	24 Pounds (10.89 kg)
Product Dimensions (L x W)	1200"L x 0.75"W (3048 cm L x 1.9 cm W)
Compliance	RoHS Compliant
UPC	822353053447

WARRANTY AND SUPPORT

For specific warranty information and technical support, please refer to the official Kuriyama product documentation or visit the manufacturer's website. It is recommended to retain your purchase receipt for warranty claims.

For further assistance, you may contact Kuriyama customer service directly. Contact details are typically available on the product packaging or the official Kuriyama website.

© 2023 Kuriyama. All rights reserved. This manual is for informational purposes only.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question