



# DATA CENTER

DATA CENTER LIQUID COOLING SOLUTIONS

**ALFAGOMMA®**

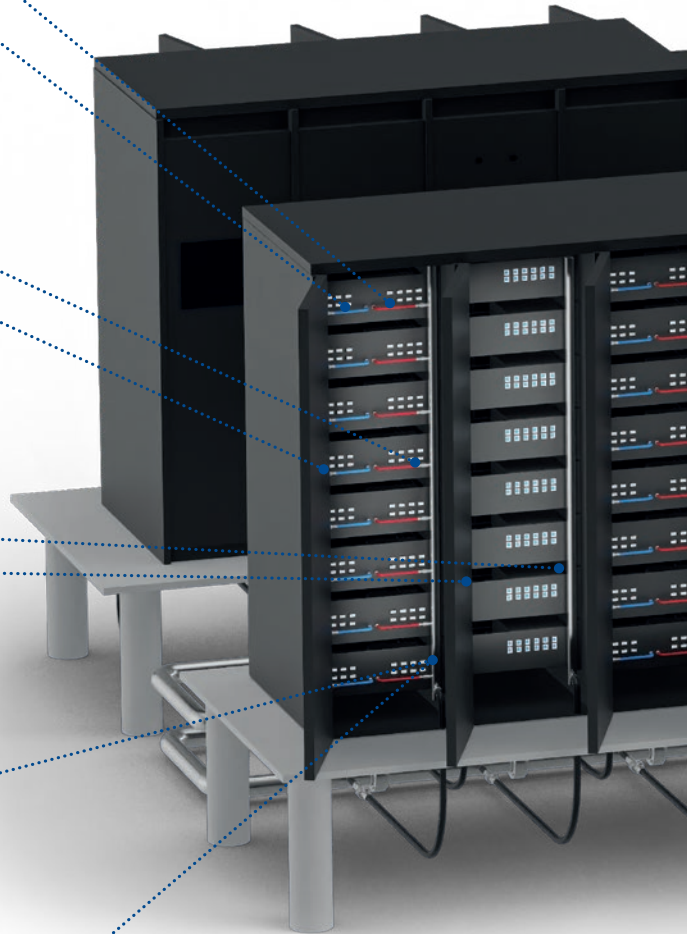


**KURIYAMA**  
OF AMERICA, INC.

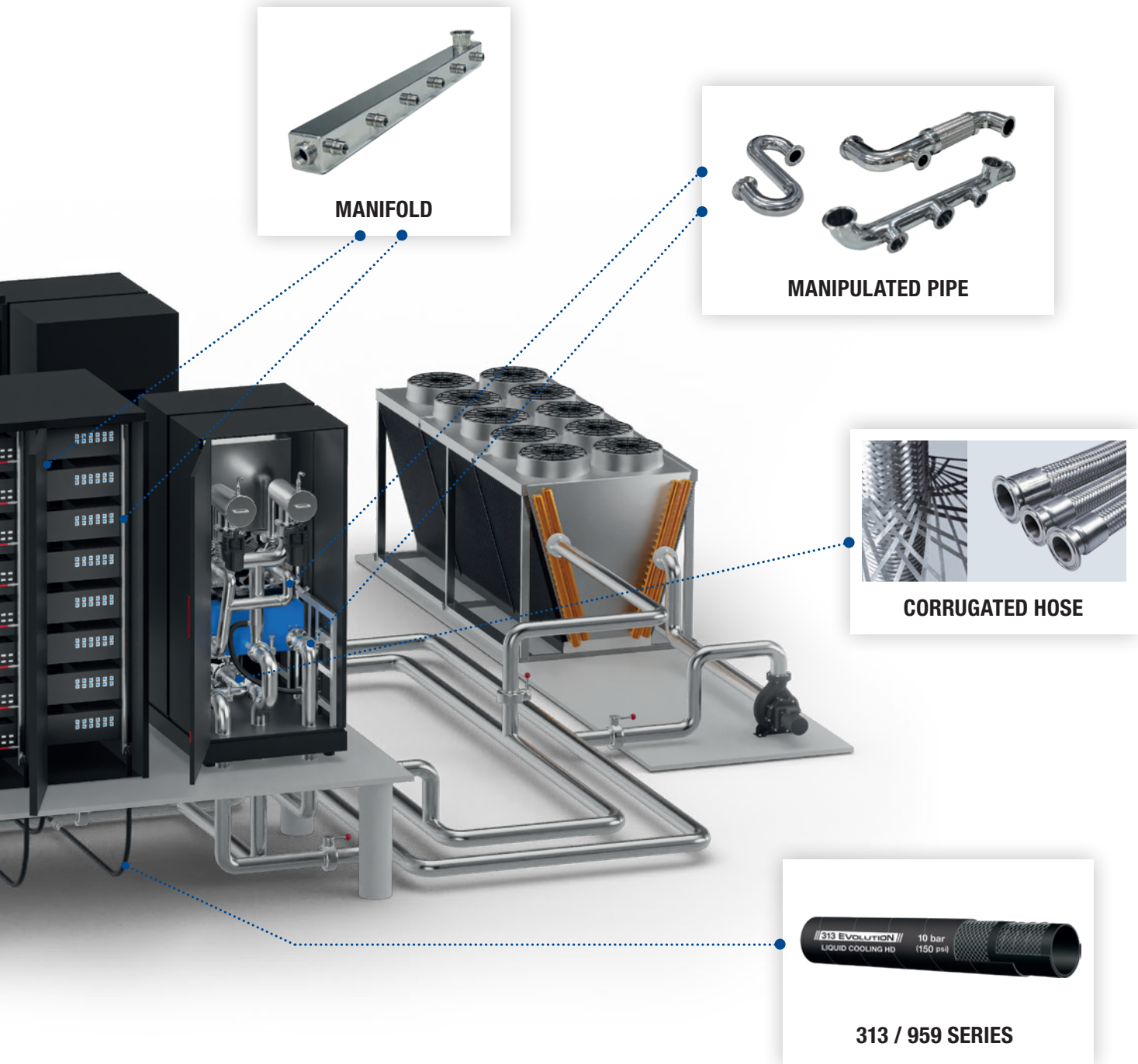
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Edition 0626

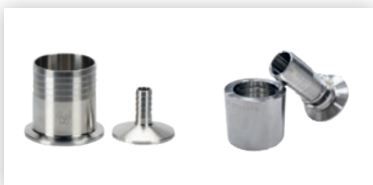




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**FITTING**



**BALL VALVE**



**BUTTERFLY VALVE**



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## T959 - AUTOLOCK EVOLUTION EPDM



### Liquid cooling 16 bar (240 psi) - EPDM UL 94 V0

Tube: Black peroxide cured EPDM, Calcium and Zinc free.

Reinforcement: High tensile textile braids.

Cover: black/red/blue EPDM - abrasion, ozone and UL94 V0 flame resistant.  
ID≤1" smooth finish, ID≥1 1/4" wrapped.

Application: Data center liquid cooling. Compatible with push-on fittings.

Temperature: -40 °C +120 °C (-40 °F +248 °F)

| Series Number  | Color | ID<br>(in) | ID<br>(mm) | OD<br>(in) | OD<br>(mm) | Max. Working<br>Pressure (psi) | Burst<br>Pressure<br>(psi) | Bend Radius<br>(in) | Bend Radius<br>(mm) | Weight<br>lbs/ft | Approx.<br>Length (ft) |
|----------------|-------|------------|------------|------------|------------|--------------------------------|----------------------------|---------------------|---------------------|------------------|------------------------|
| T959AA019*     | Black | 3/16       | 5          | 0.43       | 11         | 240                            | 960                        | 0.79                | 20                  | 0.07             | 800                    |
| T959AA025*     | Black | 1/4        | 6          | 0.51       | 13         | 240                            | 960                        | 0.94                | 24                  | 0.1              | 600                    |
| T959AA038*     | Black | 3/8        | 10         | 0.67       | 17         | 240                            | 960                        | 1.57                | 40                  | 0.17             | 600                    |
| T959AA050*     | Black | 1/2        | 13         | 0.87       | 22         | 240                            | 960                        | 2.05                | 52                  | 0.22             | 550                    |
| T959AA062*     | Black | 5/8        | 16         | 0.98       | 25         | 240                            | 960                        | 2.52                | 64                  | 0.27             | 350                    |
| T959AA075*     | Black | 3/4        | 19         | 1.14       | 29         | 240                            | 960                        | 2.99                | 76                  | 0.34             | 350                    |
| T959AA100*     | Black | 1          | 25         | 1.42       | 36         | 240                            | 960                        | 3.94                | 100                 | 0.47             | 200                    |
| T959AA125X200^ | Black | 1 1/4      | 32         | 1.77       | 45         | 240                            | 960                        | 5.04                | 128                 | 0.69             | 200                    |
| T959AA150X200^ | Black | 1 1/2      | 38         | 2.01       | 51         | 240                            | 960                        | 5.98                | 152                 | 0.8              | 200                    |
| T959AA200X200^ | Black | 2          | 51         | 2.56       | 65         | 240                            | 960                        | 8.03                | 204                 | 1.13             | 200                    |
| T959AH019*     | Red   | 3/16       | 5          | 0.43       | 11         | 240                            | 960                        | 0.79                | 20                  | 0.07             | 800                    |
| T959AH025*     | Red   | 1/4        | 6          | 0.51       | 13         | 240                            | 960                        | 0.94                | 24                  | 0.1              | 600                    |
| T959AH038*     | Red   | 3/8        | 10         | 0.67       | 17         | 240                            | 960                        | 1.57                | 40                  | 0.17             | 600                    |
| T959AH050*     | Red   | 1/2        | 13         | 0.87       | 22         | 240                            | 960                        | 2.05                | 52                  | 0.22             | 550                    |
| T959AH062*     | Red   | 5/8        | 16         | 0.98       | 25         | 240                            | 960                        | 2.52                | 64                  | 0.27             | 350                    |
| T959AH075*     | Red   | 3/4        | 19         | 1.14       | 29         | 240                            | 960                        | 2.99                | 76                  | 0.34             | 350                    |
| T959AH100*     | Red   | 1          | 25         | 1.42       | 36         | 240                            | 960                        | 3.94                | 100                 | 0.47             | 200                    |
| T959AH125X200^ | Red   | 1 1/4      | 32         | 1.77       | 45         | 240                            | 960                        | 5.04                | 128                 | 0.69             | 200                    |
| T959AH150X200^ | Red   | 1 1/2      | 38         | 2.01       | 51         | 240                            | 960                        | 5.98                | 152                 | 0.8              | 200                    |
| T959AH200X200^ | Red   | 2          | 51         | 2.56       | 65         | 240                            | 960                        | 8.03                | 204                 | 1.13             | 200                    |
| T959AE019*     | Blue  | 3/16       | 5          | 0.43       | 11         | 240                            | 960                        | 0.79                | 20                  | 0.07             | 800                    |
| T959AE025*     | Blue  | 1/4        | 6          | 0.51       | 13         | 240                            | 960                        | 0.94                | 24                  | 0.1              | 600                    |
| T959AE038*     | Blue  | 3/8        | 10         | 0.67       | 17         | 240                            | 960                        | 1.57                | 40                  | 0.17             | 600                    |
| T959AE050*     | Blue  | 1/2        | 13         | 0.87       | 22         | 240                            | 960                        | 2.05                | 52                  | 0.22             | 550                    |
| T959AE062*     | Blue  | 5/8        | 16         | 0.98       | 25         | 240                            | 960                        | 2.52                | 64                  | 0.27             | 350                    |
| T959AE075*     | Blue  | 3/4        | 19         | 1.14       | 29         | 240                            | 960                        | 2.99                | 76                  | 0.34             | 350                    |
| T959AE100*     | Blue  | 1          | 25         | 1.42       | 36         | 240                            | 960                        | 3.94                | 100                 | 0.47             | 200                    |
| T959AE125X200^ | Blue  | 1 1/4      | 32         | 1.77       | 45         | 240                            | 960                        | 5.04                | 128                 | 0.69             | 200                    |
| T959AE150X200^ | Blue  | 1 1/2      | 38         | 2.01       | 51         | 240                            | 960                        | 5.98                | 152                 | 0.8              | 200                    |
| T959AE200X200^ | Blue  | 2          | 51         | 2.56       | 65         | 240                            | 960                        | 8.03                | 204                 | 1.13             | 200                    |

### Packing:

\* Reel max 3 pcs, min 50ft with reel.

^ 200' fixed no reel - coiled

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## T313AA EVOLUTION



**Liquid cooling - hard wall - EPDM**

**UL 94 V0**

**Tube:** black peroxide cured EPDM, calcium and zinc free.

**Reinforcement:** high tensile textile cords with embedded steel helix wire.

**Cover:** black EPDM - abrasion, ozone and flame resistant.

**Application:** Cooling liquids in applications where tight bend radius is required.

**Temperature:** -40 °F +248 °F (-40 °C +120 °C)

| Part Number   | ID    |       | OD   |       | Max. Working Pressure (psi) | Burst Pressure (psi) | Vacuum % | Bend Radius |       | Weight (lbs/ft) |
|---------------|-------|-------|------|-------|-----------------------------|----------------------|----------|-------------|-------|-----------------|
|               | (in)  | (mm)  | (in) | (mm)  |                             |                      |          | (in)        | (mm)  |                 |
| T313AA100X100 | 1     | 25.0  | 1.42 | 36.0  | 150                         | 600                  | 100      | 1.42        | 36.0  | 0.52            |
| T313AA125X100 | 1 1/4 | 32.0  | 1.73 | 44.0  | 150                         | 600                  | 100      | 1.89        | 48.0  | 0.68            |
| T313AA150X100 | 1 1/2 | 38.0  | 1.97 | 50.0  | 150                         | 600                  | 100      | 2.24        | 57.0  | 0.79            |
| T313AA200X100 | 2     | 51.0  | 2.52 | 64.0  | 150                         | 600                  | 100      | 2.99        | 76.0  | 1.18            |
| T313AA250X100 | 2 1/2 | 63.0  | 3.03 | 77.0  | 150                         | 600                  | 90       | 4.96        | 126.0 | 1.57            |
| T313AA300X100 | 3     | 76.0  | 3.58 | 91.0  | 150                         | 600                  | 90       | 5.98        | 152.0 | 1.96            |
| T313AA400X100 | 4     | 102.0 | 4.57 | 116.0 | 150                         | 450                  | 90       | 12.04       | 306.0 | 2.51            |
| T313AA600X100 | 6     | 152.0 | 6.73 | 171.0 | 150                         | 375                  | 80       | 23.93       | 608.0 | 4.75            |

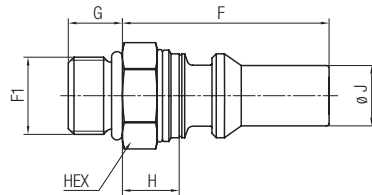
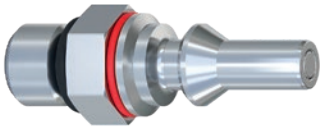
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## QUICK CONNECT COUPLINGS

The Alfagomma UQD & UQDB quick-connect coupling series is an essential component for liquid cooling systems in data centers. With a focus on secure and easy connections, leak-proof design, high flow rates, and resistance to mechanical stresses, it is tailored to meet the rigorous demands of data centre liquid cooling.

**Features:** Flat face design, Stainless steel, EPDM seal material, 100% helium leak tested, Color coding available, Sizes: 1/4" to 5/8"

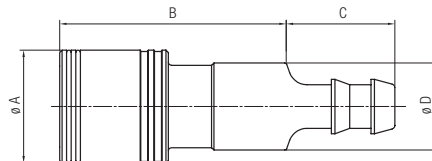
## UNIVERSAL QUICK DISCONNECT



### Male ORB ISO 11926-3

| Item          | Color |  | Thread F1<br>(in) | F    |       | G    |       | H    |       | J    |       | HEX  |       |
|---------------|-------|--|-------------------|------|-------|------|-------|------|-------|------|-------|------|-------|
|               |       |  |                   | (in) | (mm)  | (in) | (mm)  | (in) | (mm)  | (in) | (mm)  | (in) | (mm)  |
| UQDM-02-BU-SS | Blue  |  | 7/16-20           | 1.15 | 29.20 | 0.36 | 9.10  | 0.34 | 8.70  | 0.26 | 6.65  | 0.55 | 14.00 |
| UQDM-02-RD-SS | Red   |  | 7/16-20           | 1.15 | 29.20 | 0.36 | 9.10  | 0.34 | 8.70  | 0.26 | 6.65  | 0.55 | 14.00 |
| UQDM-04-BU-SS | Blue  |  | 9/16-18           | 1.50 | 38.00 | 0.39 | 9.90  | 0.39 | 9.80  | 0.43 | 11.00 | 0.67 | 17.00 |
| UQDM-04-RD-SS | Red   |  | 9/16-18           | 1.50 | 38.00 | 0.39 | 9.90  | 0.39 | 9.80  | 0.43 | 11.00 | 0.67 | 17.00 |
| UQDM-06-BU-SS | Blue  |  | 3/4-16            | 1.63 | 41.50 | 0.43 | 11.00 | 0.40 | 10.20 | 0.56 | 14.30 | 0.87 | 22.00 |
| UQDM-06-RD-SS | Red   |  | 3/4-16            | 1.63 | 41.50 | 0.43 | 11.00 | 0.40 | 10.20 | 0.56 | 14.30 | 0.87 | 22.00 |
| UQDM-08-BU-SS | Blue  |  | 7/8-14            | 1.87 | 47.60 | 0.50 | 12.70 | 0.47 | 12.00 | 0.69 | 17.50 | 1.06 | 27.00 |
| UQDM-08-RD-SS | Red   |  | 7/8-14            | 1.87 | 47.60 | 0.50 | 12.70 | 0.47 | 12.00 | 0.69 | 17.50 | 1.06 | 27.00 |

\*Additional thread configurations are available upon request.



### Push-on Female

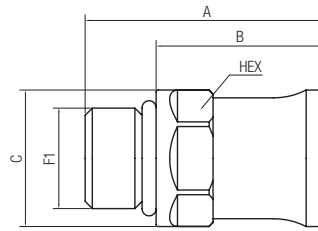
| Item          | Color |  | End size /<br>Hose Tail<br>(in) | A    |       | B    |       | C    |       | D    |       |
|---------------|-------|--|---------------------------------|------|-------|------|-------|------|-------|------|-------|
|               |       |  |                                 | (in) | (mm)  | (in) | (mm)  | (in) | (mm)  | (in) | (mm)  |
| UQDF-02-BU-SS | Blue  |  | 1/4                             | 0.73 | 18.50 | 1.52 | 38.50 | 0.75 | 19.00 | 0.55 | 14.00 |
| UQDF-02-RD-SS | Red   |  | 1/4                             | 0.73 | 18.50 | 1.52 | 38.50 | 0.75 | 19.00 | 0.55 | 14.00 |
| UQDF-04-BU-SS | Blue  |  | 3/8                             | 0.96 | 24.50 | 1.95 | 49.50 | 0.93 | 23.70 | 0.75 | 19.00 |
| UQDF-04-RD-SS | Red   |  | 3/8                             | 0.96 | 24.50 | 1.95 | 49.50 | 0.93 | 23.70 | 0.75 | 19.00 |
| UQDF-06-BU-SS | Blue  |  | 1/2                             | 1.10 | 28.00 | 2.05 | 52.00 | 1.02 | 25.80 | 0.91 | 23.00 |
| UQDF-06-RD-SS | Red   |  | 1/2                             | 1.10 | 28.00 | 2.05 | 52.00 | 1.02 | 25.80 | 0.91 | 23.00 |
| UQDF-08-BU-SS | Blue  |  | 5/8                             | 1.25 | 31.80 | 2.39 | 60.60 | 1.52 | 38.50 | 1.08 | 27.50 |
| UQDF-08-RD-SS | Red   |  | 5/8                             | 1.25 | 31.80 | 2.39 | 60.60 | 1.52 | 38.50 | 1.08 | 27.50 |

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## QUICK CONNECT COUPLINGS

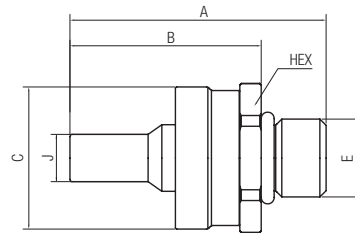
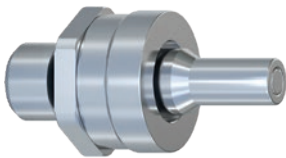
### BLIND MATE



**Socket**

| Item     | Thread F1<br>(in) | A    |      | B    |      | C    |      | Hex  |      | E2E length<br>(mm) |
|----------|-------------------|------|------|------|------|------|------|------|------|--------------------|
|          |                   | (in) | (mm) | (in) | (mm) | (in) | (mm) | (in) | (mm) |                    |
| UQDBF-02 | 9/16-18 MORB      | 1.32 | 33.6 | 0.93 | 23.6 | 0.71 | 18.0 | 0.55 | 14.0 | 35.8-37.2          |
| UQDBF-04 | 3/4-16 MORB       | 1.56 | 39.5 | 1.12 | 28.5 | 0.89 | 22.5 | 0.75 | 19.0 | 44.0-45.4          |
| UQDBF-06 | 7/8-14 MORB       | 1.75 | 44.5 | 1.25 | 31.8 | 1.08 | 27.4 | 0.94 | 24.0 | 47.5-48.9          |
| UQDBF-08 | 1-1/16-12 MORB    | 1.99 | 50.5 | 1.39 | 35.4 | 1.24 | 31.4 | 1.06 | 27.0 | 51.8-53.4          |

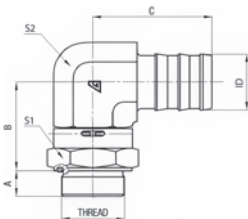
\*Additional thread configurations are available upon request.



**Plug ISO 11926-3**

| Item     | Thread F1<br>(in) | A    |      | B    |      | C    |      | J    |       | Hex  |      | E2E length<br>(mm) |
|----------|-------------------|------|------|------|------|------|------|------|-------|------|------|--------------------|
|          |                   | (in) | (mm) | (in) | (mm) | (in) | (mm) | (in) | (mm)  | (in) | (mm) |                    |
| UQDBM-02 | 7/16-20 MORB      | 1.42 | 36.0 | 1.06 | 27.0 | 0.79 | 20.0 | 0.26 | 6.65  | 0.75 | 19.0 | 35-37              |
| UQDBM-04 | 9/16-18 MORB      | 1.78 | 45.3 | 1.39 | 35.4 | 0.98 | 25.0 | 0.43 | 11.00 | 0.87 | 22.0 | 44-45              |
| UQDBM-06 | 3/4-16 MORB       | 1.97 | 50.0 | 1.53 | 38.9 | 1.11 | 28.3 | 0.56 | 14.30 | 1.06 | 27.0 | 47-48              |
| UQDBM-08 | 7/8-14 MORB       | 2.19 | 55.6 | 1.69 | 42.9 | 1.16 | 29.5 | 0.69 | 17.50 | 1.06 | 27.0 | 51-53              |

\*Additional thread configurations are available upon request.



**Port type ISO 1179-1**

| Part Number | Hose ID<br>(in) | Male Thread<br>Type |      | A    |      | B    |      | C    |       | S1   |      | S2   |      |
|-------------|-----------------|---------------------|------|------|------|------|------|------|-------|------|------|------|------|
|             |                 |                     |      | (in) | (mm) | (in) | (mm) | (in) | (mm)  | (in) | (mm) | (in) | (mm) |
| KAF-16-BP   | 1.00            | 1-11                | BSPP | 0.71 | 18.0 | 2.93 | 60.8 | 2.19 | 55.7  | 1.61 | 41   | 1.61 | 41   |
| KAF-24-BP   | 1.50            | 1-1/4-11            | BSPP | 0.79 | 20.0 | 3.33 | 84.5 | 4.09 | 104.0 | 2.76 | 70.7 | 2.56 | 65   |
| KAF-32-BP   | 2.00            | 2-11                | BSPP | 0.94 | 24.0 | 3.33 | 84.5 | 4.45 | 113.0 | 2.95 | 75   | 2.56 | 65   |
| KAF-16-MB   | 1.00            | 1-5/16-12           | MORB | 0.71 | 18.0 | 2.93 | 60.8 | 2.19 | 55.7  | 1.61 | 41   | 1.61 | 41   |
| KAF-24-MB   | 1.50            | 1-7/8-12            | MORB | 0.79 | 20.0 | 3.33 | 84.5 | 4.09 | 104.0 | 2.76 | 70.7 | 2.56 | 65   |
| KAF-32-MB   | 2.00            | 2-1/2-12            | MORB | 0.94 | 24.0 | 3.33 | 84.5 | 4.45 | 113.0 | 2.95 | 75   | 2.56 | 65   |

\*Additional thread configurations are available upon request.

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## HYDRASWIFT COUPLING (VALVED SYMETRIC COUPLING)

### Valved Symmetric Coupling

| Coupling Size | Max Operating Pressure |                         | Min Burst Pressure |                         | Rated Flow         |                   | Fluid Loss cc. max | Flow Coefficient Cv Value | A (mm) |
|---------------|------------------------|-------------------------|--------------------|-------------------------|--------------------|-------------------|--------------------|---------------------------|--------|
|               | Connected (psi)        | Disconnected Half (psi) | Connected (psi)    | Disconnected Half (psi) | Gallons per Minute | Liters per Minute |                    |                           |        |
| 1.00          | 150                    | 150                     | 300                | 300                     | 50.72              | 192               | 4.3                | 32                        | 71.5   |
| 2.00          | 150                    | 150                     | 300                | 300                     | 216.62             | 820               | 11.6               | 131                       | 105.0  |

\* Couplings are sold individually, not in sets

\*\* "A" measurement in table above is for Coupling without thread / barb configuration



| Part Number  | Body Size (in) | Port Size (in) | Barb Size (in) | Thread    | Type            |
|--------------|----------------|----------------|----------------|-----------|-----------------|
| KHSC-16-TF16 | 1.00           | 1.00           | NA             | 1-11-1/2  | Female NPTF     |
| KHSC-16-TF12 | 1.00           | 0.75           | NA             | 3/4-14    | Female NPTF     |
| KHSC-16-TFBP | 1.00           | 1.00           | NA             | 1-11      | Female BSPP     |
| KHSC-16-TMMB | 1.00           | 1.00           | NA             | 1-5/16-12 | Male ORB        |
| KHSC-16-TMBP | 1.00           | 1.00           | NA             | 1-11      | Male BSPP       |
| KHSC-16-BCLS | 1.00           | 1.00           | 1.00           | NA        | Clamp Barb      |
| KHSC-16-BCL9 | 1.00           | 1.00           | 1.00           | NA        | Clamp Barb 90   |
| KHSC-16-BFRS | 1.00           | 1.00           | 1.00           | NA        | Crimp Barb      |
| KHSC-16-BFR9 | 1.00           | 1.00           | 1.00           | NA        | Crimp Barb 90   |
| KHSC-16-FESN | 1.00           | 1.00           | NA             | NA        | Sanitary Flange |
| KHSC-32-TF32 | 2.00           | 2.00           | NA             | 2-11-1/2  | Female NPTF     |
| KHSC-32-TFBP | 2.00           | 2.00           | NA             | 2-11      | Female BSPP     |
| KHSC-32-TMBP | 2.00           | 2.00           | NA             | 2-11      | Male BSPP       |
| KHSC-32-BCLS | 2.00           | 2.00           | 2.00           | NA        | Clamp Barb      |
| KHSC-32-BCL9 | 2.00           | 2.00           | 2.00           | NA        | Clamp Barb 90   |
| KHSC-32-BCAS | 2.00           | 1.50           | 1.50           | NA        | Clamp Barb      |
| KHSC-32-BCBS | 2.00           | 1.25           | 1.25           | NA        | Clamp Barb      |
| KHSC-32-BFRS | 2.00           | 2.00           | 2.00           | NA        | Crimp Barb      |
| KHSC-32-BFR9 | 2.00           | 2.00           | 2.00           | NA        | Crimp Barb 90   |
| KHSC-32-FESN | 2.00           | 2.00           | NA             | NA        | Sanitary Flange |

\*Additional thread configurations are available upon request.

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## SANITARY ACCESSORIES



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This image shows a full page of blank white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page, providing a template for writing or drawing. There are no margins, text, or other markings on the paper.

10

## CAUTIONARY STATEMENT

All Products sold and distributed by Kuriyama of America, Inc. are in the nature of commodities and they are sold by published specifications and not for particular purposes, uses or applications. Purchaser shall first determine their suitability for the intended purposes, uses or applications and shall either conduct its own engineering studies or tests, or retain qualified engineers, consultants or testing laboratories and consult with them before determining the proper use, suitability or propriety of the merchandise or Products for the intended purposes, uses or applications.

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Hose or tubing used in bent configurations will be subjected to increased abrasion. Hose clamps or couplings may loosen after initial installation and all sections of hose and tubing including connections, couplings, clamps, conductivity and bonding should be inspected frequently, regularly and consistently, and should be replaced, adjusted or re-tightened for the avoidance of leakage, for the prevention of injuries or damages, and for general safety purposes. Except as indicated in its Limited Warranty, Seller shall not be liable or responsible for direct or indirect injuries or damages caused by or attributed to the failure or malfunction of any Products sold or distributed by it.

Purchasers or users of the Products should frequently and consistently undertake inspections and protective measures with respect to the use and application of Products, which should include the examination of tube and cover, conditions of the hose or tubing, and the identification, repair or replacement of sections showing cracking, blistering, separations, internal and external abrasions, leaking or slipped couplings or connections and make proper proof tests.

## LIMITED WARRANTY

The Products sold or distributed by Seller are warranted to its customers to be free from defects in material and workmanship at the time of shipment by us, subject to the following provisions. ALL WARRANTY CLAIMS SHALL BE MADE WITHIN SIX (6) MONTHS AFTER SELLER SHIPPED THE PRODUCTS. SELLER'S LIABILITY HEREUNDER IS LIMITED AT SELLER'S EXCLUSIVE DISCRETION, TO 1) THE PURCHASE PRICE OF ANY PRODUCTS PROVING DEFECTIVE; 2) REPAIR OF ANY DEFECTIVE PRODUCT OR PART THEREOF; OR 3) REPLACEMENT OF ANY DEFECTIVE PRODUCT OR PART UPON ITS AUTHORIZED RETURN TO SELLER.

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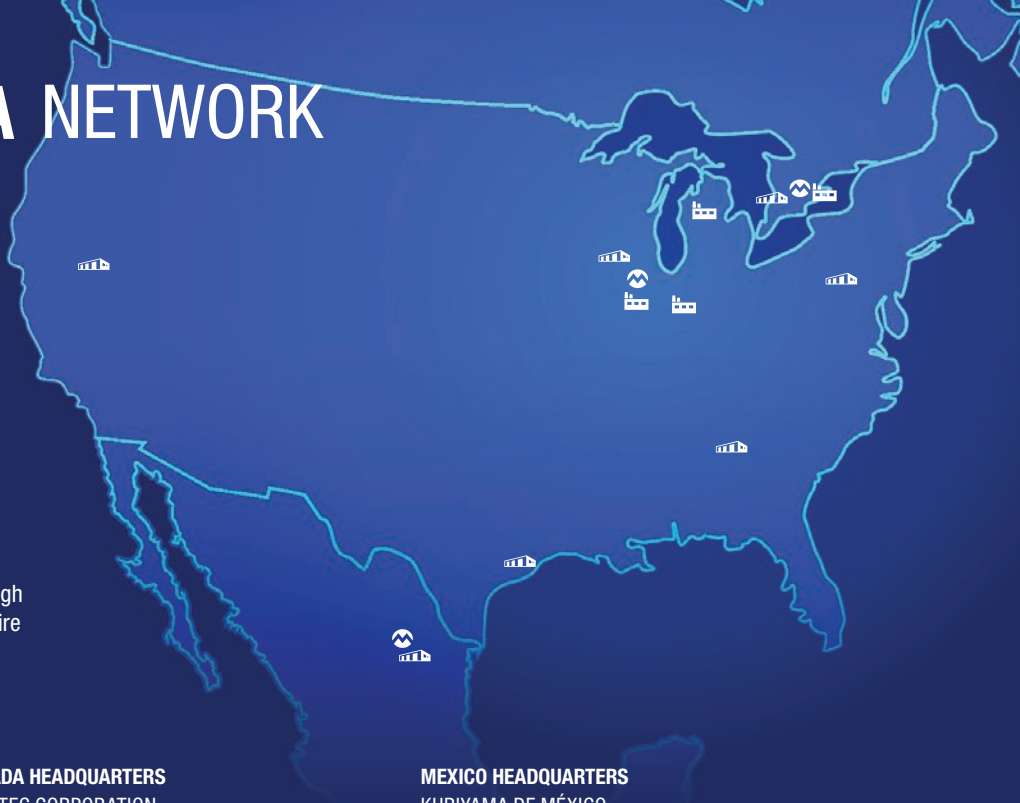
Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

# THE KURIYAMA NETWORK

Kuriyama's North American Operations comprise an integrated network of manufacturing and distribution facilities strategically located across the continent. This footprint supports a wide range of industrial and hydraulic hose and couplings products, and the capability to engineer custom solutions for demanding applications.

The Kuriyama Distribution Network serves the United States through five primary distribution centers totaling more than 700,000 square feet, including a state-of-the-art 329,000 square foot Central Distribution Center in Huntley, Illinois.

Our Manufacturing Network includes seven North American manufacturing and compounding facilities, producing thermoplastic industrial hose, hydraulic hose, high pressure spray hose, metal hose assemblies, NFPA 1961 fire hose and engineered tubing.



## CORPORATE HEADQUARTERS

### NORTH AMERICAN HEADQUARTERS

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Schaumburg, IL 60173  
☎ (847) 755-0360  
🌐 [kuriyama.com](http://kuriyama.com)  
✉ [customerservice@kuriyama.com](mailto:customerservice@kuriyama.com)

### CANADA HEADQUARTERS

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☎ (519) 753-6717  
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✉ [servicioalcliente@kuriyama.com](mailto:servicioalcliente@kuriyama.com)



## MANUFACTURING, COMPOUNDING & PRODUCTION

### TIGERFLEX CORPORATION

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### KURIYAMA CANADA MFG.

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Brantford, ON, Canada N3R 7K2  
☎ (519) 753-6717  
✉ [sales@kuritec.com](mailto:sales@kuritec.com)

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☎ (800) 878-5501  
🏭 (765) 762-5502 OR  
🏭 (800) 879-8232

### PIRANHA HOSE PRODUCTS

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Cadillac, MI 49601  
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☎ (231) 779-4390  
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