



KURIYAMA Oilfield

Hose & Accessories

- *Manufacturer of heavy duty polyurethane and PVC/Nitrile hose to the oil and gas industry.*
- *Complete 660' assemblies in stock and ready to ship!*
- *High quality, ISO 9001 European design and manufacturing.*

by
tipsa **b**
A Kuriyama Group Company



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EDITION 0422

OFTRC Series Polyurethane Discharge Hose Assemblies

General Applications:

- Frac solutions
- Drinking water transport
- Emergency water supply
- Liquid and powder food transfer
- Manure transfer
- Mining
- Potable water to transfer ships/boats
- Sewer and water treatment

Construction:

Black polyurethane (TPU) hose using an extruded through-the-weave process with circular woven high tenacity polyester reinforcement.

Service Temperature Range:

-58°F (-50°C) to +150°F (+65°C);
Intermittent service to +175°F (+79°C)

Features and Advantages:

- **Factory Tested** – 100% Hydraulic tested with factory certificate.
- **Premium Polyurethane (TPU) Material** – Exhibits exceptional resistance to abrasion, allowing for use in applications where severe abrasion is a factor and providing longer service life versus rubber or PVC hoses. Also, exhibits exceptional resistance to oils and petroleum based products.
- **Couplings Included** – Durable and lightweight oilfield hose couplings (AL-LDHC Series) on hose ends.
- **Unique Woven Construction** – Specially designed weave pattern provides resistance to kinking, stretching and twisting. Superior snaking resistance!
- **Longer Lengths** – Manufactured in special 660 foot lengths to reduce possible leaking points.
- **Smooth TPU Tube** – Provides low friction loss.
- **Compact Design** – Flat hose design rolls up into tight coils for easy storage and transport, takes up less space than other hoses.
- **Superior UV and Ozone Resistance** – For extreme UV and ozone conditions.



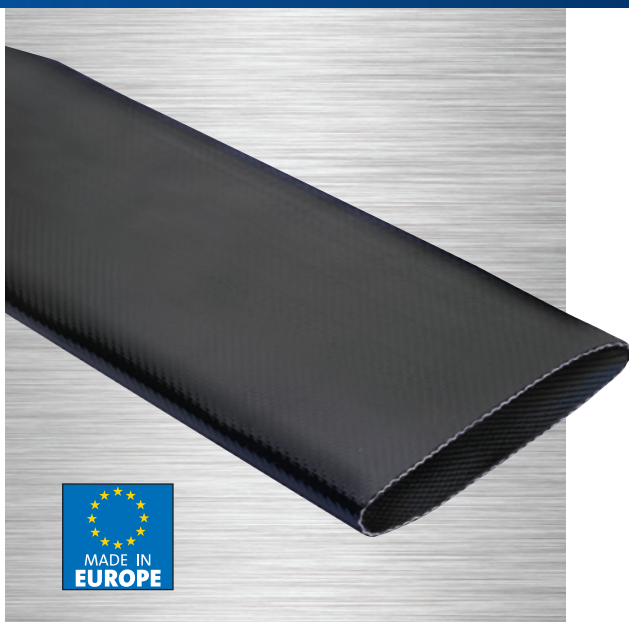
Nominal Specifications

| Part Number | Size | | Wall Thickness (in) | Working Pressure (psi) at 68°F | Burst Pressure (psi) at 68°F | Coil Length (ft) | Tensile Strength (lbs) | Weight (lbs/ft) |
|------------------|------|-------|---------------------|--------------------------------|------------------------------|------------------|------------------------|-----------------|
| | (in) | (mm) | | | | | | |
| OFTRC-1000X660 | 10 | 254.0 | 0.169 | 200 | 500 | 660 | 100,310 | 2.82 |
| OFTRC-1200X660 | 12 | 304.8 | 0.185 | 175 | 435 | 660 | 121,254 | 3.52 |
| +OFTRCH-1200X660 | 12 | 304.8 | 0.185 | 200 | 500 | 660 | 154,300 | 3.63 |

NOTE: NSF/ANSI/Can Standard 61 – Hose can be specially manufactured and certified on request. Contact Kuriyama customer service for details.

+ NOTE: This is a non-stock product. Minimum order requirements may apply. Contact Kuriyama customer service for details.

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



OFTR Series Polyurethane Discharge Hose

General Applications:

- Frac solutions
- Drinking water transport
- Emergency water supply
- Liquid and powder food transfer
- Manure transfer
- Mining
- Potable water to transfer ships/boats
- Sewer and water treatment

Construction:

Black polyurethane (TPU) hose using an extruded through-the-weave process with circular woven high tenacity polyester reinforcement.

Service Temperature Range:

-58°F (-50°C) to +150°F (+65°C);
Intermittent service to +175°F (+79°C)



Features and Advantages:

- **Factory Tested** – 100% Hydraulic tested with factory certificate.
- **Premium Polyurethane (TPU) Material** – Exhibits exceptional resistance to abrasion, allowing for use in applications where severe abrasion is a factor and providing longer service life versus rubber or PVC hoses. Also, exhibits exceptional resistance to oils and petroleum based products.
- **Unique Woven Construction** – Specially designed weave pattern provides resistance to snaking, kinking, stretching and twisting.
- **Longer Lengths** – Manufactured in special 660 foot lengths to reduce possible leaking points.
- **Smooth TPU Tube** – Provides low friction loss.
- **Compact Design** – Flat hose design rolls up into tight coils for easy storage and transport, takes up less space than other hoses.
- **Superior UV and Ozone Resistance** – For extreme UV and ozone conditions.

Nominal Specifications

| Series Number | Size | | Hose ID | | Wall Thickness (in) | Working Pressure (psi) at 68°F | Burst Pressure (psi) at 68°F | Coil Length (ft) | Tensile Strength (lbs) | Weight (lbs/ft) |
|---------------|------|-------|---------|-------|---------------------|--------------------------------|------------------------------|------------------|------------------------|-----------------|
| | (in) | (mm) | (in) | (mm) | | | | | | |
| +OFTR-400 | 4 | 101.6 | 4.008 | 101.8 | 0.140 | 320 | 800 | 660 | 26,450 | 0.90 |
| +OFTR-600 | 6 | 152.4 | 6.000 | 152.4 | 0.180 | 320 | 800 | 660 | 63,950 | 1.66 |
| OFTR-800 | 8 | 203.2 | 8.100 | 206.0 | 0.165 | 200 | 600 | 660 | 77,200 | 2.22 |
| OFTR-1000 | 10 | 254.0 | 10.100 | 256.0 | 0.169 | 200 | 500 | 660 | 99,200 | 2.80 |
| +OFTR-1200 | 12 | 304.8 | 12.106 | 307.5 | 0.185 | 175 | 435 | 660 | 121,300 | 3.43 |
| +OFTRH-1200 | 12 | 304.8 | 12.106 | 307.5 | 0.185 | 200 | 500 | 660 | 154,300 | 3.55 |

NOTE: NSF/ANSI/Can Standard 61 – Hose can be specially manufactured and certified on request. Contact Kuriyama customer service for details.

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OFTR Series

High Flow Extruded TPU Lay Flat Discharge Hose

General Applications:

- Frac solutions
- Drinking water transport
- Emergency water supply
- Liquid and powder food transfer
- Manure transfer
- Mining
- Potable water to transfer ships/boats
- Sewer and water treatments

Construction:

Black polyurethane (TPU) hose using an extruded through-the-weave process with circular woven high tenacity polyester reinforcement.

Service Temperature Range:

-58°F (-50°C) to +150°F (+65°C)
Intermittent service to +175°F (+79°C)

Features and Advantages:

- **Factory Tested** – 100% Hydraulic tested with factory certificate.
- **Premium Polyurethane (TPU) Material** – Exhibits exceptional resistance to abrasion, allowing for use in applications where severe abrasion is a factor and providing longer service life versus rubber or PVC hoses. Also, exhibits exceptional resistance to oils and petroleum based products.
- **Couplings Included** – Durable and lightweight oilfield hose couplings (AL-LDHC Series) on hose ends.
- **Unique Woven Construction** – Specially designed weave pattern provides resistance to kinking, stretching and twisting. Superior snaking resistance!
- **Longer Lengths** – Manufactured in special 660 foot lengths to reduce possible leaking points.
- **Smooth TPU Tube** – Provides low friction loss.

NEW



Don't risk a leak! Unique Locking Lip[™] design increases coupling retention.



- **Compact Design** – Flat hose design rolls up into tight coils for easy storage and transport, takes up less space than other hoses.
- **Cost-Efficient** – Savings compared to using 2 x 12" lines.
- **Superior UV and Ozone Resistance** – For extreme UV and ozone conditions.

Nominal Specifications

| Series Number | Size | | Hose ID | | Wall Thickness (in) | Working Pressure (psi) at 68°F | Burst Pressure (psi) at 68°F | Coil Length (ft) | Tensile Strength (lbs) | Weight (lbs/ft) |
|---------------|------|-------|---------|-------|---------------------|--------------------------------|------------------------------|------------------|------------------------|-----------------|
| | (in) | (mm) | (in) | (mm) | | | | | | |
| +OFTRH-1600 | 16 | 406.4 | 160.083 | 408.5 | 0.185 | 175 | 435 | 660 | 176,400 | 5.11 |

NOTE: NSF/ANSI/Can Standard 61 – Hose can be specially manufactured and certified on request. Contact Kuriyama customer service for details.

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Hydraulic Performance

| Diameter | bpm | Friction Loss* | | | | | | |
|----------|-----|----------------|-------------|-------------|-------------|-------------|-------------|--------------|
| | | psi/mile | psi/3 miles | psi/4 miles | psi/5 miles | psi/6 miles | psi/7 miles | psi/10 miles |
| 12" | 100 | 58 | 174 | — | X | — | X | X |
| | 150 | 131 | 392 | — | X | X | 193 | X |
| | 175 | X | X | X | — | — | — | — |
| | 200 | X | X | — | — | — | — | — |
| 14" | 100 | 28 | 83 | — | 138 | — | 193 | X |
| | 150 | 58 | 174 | — | 290 | X | — | — |
| | 175 | 81 | 244 | X | — | — | — | — |
| | 200 | 105 | 315 | — | — | — | — | — |
| 16" | 100 | 15 | 44 | — | 73 | — | 102 | 145 |
| | 150 | 29 | 87 | — | 145 | 174 | — | — |
| | 175 | 41 | 123 | 164 | — | — | — | — |
| | 200 | 54 | 161 | — | — | — | — | — |

| KEY | |
|-----|---|
| | Satisfactory |
| | Not advisable. Velocity over 12.5 ft/s |
| | Not advisable. Velocity over 15 ft/s or maximum working pressure exceeded |

*Friction loss calculated for straight lines of 660' assembled with grooved-end re-attachable fittings with Victaulic assembly. Fresh water at 20°C.



Conclusions

- 1 x 16" line can replace 2 x 12" lines to cover the same distance and flow: 200bpm vs 100bpm @ 3 miles
- A 16" line can bring almost 50% more water than a 12" line for twice the distance: 150bpm @ 6miles vs 100bpm @ 3miles
- A 16" line can cover twice the distance with the same flow than a 14" line: 6 miles vs 3miles@150bpm
- A 16" line can move 30% more water than a 14" line for the same distance: 200bpm vs 150bpm @ 3miles

Advantages of a 16" line vs a 12" line

- Less manpower and lower operation costs
- Lower material costs
- Less time and space required for deployment and retrieval
- Lower eco-footprint and lower accident rate
- 100% pumping time reduction (50% compared to a 14" line)
- Less booster pumps needed (if any)

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OF20B Series Heavy Duty PVC/Nitrile Rubber Discharge Hose

General Applications:

- Agriculture
- Contaminated liquids, fertilizers, oils, hydrocarbons
- Dewatering
- Frack solution and fresh water transfer
- Irrigation
- Limited chemical applications
- Liquid manure, sludge and slurry transfer
- Mining
- Watering

Construction:

Black PVC/Nitrile hose using an extruded through-the-weave process with circular woven high tenacity polyester reinforcement.

Service Temperature Range:

-20°F (-29°C) to +176°F (+80°C)

Features and Advantages:

- **Proprietary PVC/Nitrile Material** – Specially developed PVC/Nitrile material provides superior abrasion, UV, chemical and oil resistance compared to PVC hoses.
- **Unique Woven Construction** – Specially designed weave pattern provides resistance to snaking, kinking, stretching and twisting.
- **Longer Lengths** – Manufactured in special 660 foot lengths to reduce possible leaking points.
- **Compact Design** – Flat hose design rolls up into tight coils for easy storage and transport, takes up less space than other hoses.



Nominal Specifications

| Series Number | Size | | Hose ID | | Wall Thickness (in) | Working Pressure (psi) at 68°F | Burst Pressure (psi) at 68°F | Coil Length (ft) | Tensile Strength (lbs) | Weight (lbs/ft) |
|---------------|------|-------|---------|-------|---------------------|--------------------------------|------------------------------|------------------|------------------------|-----------------|
| | (in) | (mm) | (in) | (mm) | | | | | | |
| OF20B-600 | 6 | 152.4 | 6.063 | 154.0 | 0.160 | 290 | 725 | 660 | 51,600 | 1.68 |
| OF20B-700 | 7 | 177.8 | 7.126 | 181.0 | 0.160 | 230 | 580 | 660 | 66,150 | 1.88 |
| OF20B-800 | 8 | 203.2 | 8.091 | 205.5 | 0.150 | 200 | 500 | 660 | 77,150 | 2.22 |
| OF20B-1000 | 10 | 254.0 | 10.059 | 255.5 | 0.150 | 200 | 500 | 660/100/50 | 110,250 | 2.65 |
| OF20B-1200 | 12 | 304.8 | 12.087 | 307.0 | 0.160 | 155 | 375 | 660/100/50 | 101,400 | 3.23 |

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KURIYAMA Oilfield Couplings & Gaskets

AL-LDHC Series Oilfield Hose Coupling

- Lightweight aluminum with abrasion resistant anodized hard coating
- Multiple collar segments evenly distribute pressure on the hose for even sealing
- Locking Lip™ provides better coupling retention than other designs

Nominal Specifications

| Part Number | Size (in) | Working Pressure (psi) at 68°F | Burst Pressure (psi) at 68°F | Weight Each (lbs) | Standard Carton |
|-------------|-----------|--------------------------------|------------------------------|-------------------|-----------------|
| AL-LDHC1000 | 10 | 200 | 600 | 41.20 | 1 |
| AL-LDHC1200 | 12 | 200 | 600 | 57.30 | 1 |



GEC-B Series Grooved Couplings

- For use with AL-LDHC coupling or grooved end pipe
- Durable ductile iron
- UL listed
- Buna (nitrile) gasket included

Nominal Specifications

| Part Number | Size (in) | Weight Each (lbs) | Standard Carton |
|-------------|-----------|-------------------|-----------------|
| GEC-B1000 | 10 | 26.15 | 1 |
| GEC-B1200 | 12 | 30.65 | 1 |



GEB-Buna Grooved Gasket

- Fits GEC-B Series couplings
- Buna (nitrile) material, resistant to oil, gas, and moderately aggressive chemicals

Nominal Specifications

| Part Number | Size (in) | Weight Each (lbs) | Standard Carton |
|--------------|-----------|-------------------|-----------------|
| GEG-BUNA1000 | 10 | 0.771 | 1 |
| GEG-BUNA1200 | 12 | 0.889 | 1 |



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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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05/03/21 REV

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