NEW

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)

tipsa A Kuriyama Group Company

SNAKING RESISTANT

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.

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 (in)	Size (mm)	Hose ID (in)	Hose ID (mm)	Wall Thickness (in)	Working Pressure (psi) at 68°F	Burst Pressure (psi) at 68°F	Coil Length (ft)	Tensile Strength (lbs)	Weight (lbs/ft)
+0FTRH-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.
+ NOTE: This is a non-stock product. Minimum order requirements may apply. Contact Kuriyama customer service for details.

16" OROFLEX® TERRAIN™

GO BIG

OR GO HOME

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 20ºC.*

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)