

PIRANHA SEWER HOSE

In accordance with Waste Equipment Technology Association (WASTEC - formally WEMI) specifications, Piranha Hose Products offers **yellow** color-coded hose inner tube, fittings, menders, assembly equipment and tooling. In addition, Piranha Hose cover colors conform to industry standards for maximum operating pressure ratings.

Cover colors and psi ratings are Orange = 2,500 psi, Blue = 3,000 psi and Safety Green = 4,000 psi. For safety assurance, all Piranha factory-assembled hose reels and bulk hose are 100% pressure tested.

Please call your friendly customer service representative for more information on Piranha **ARMOR BELT™** (patent pending) and other innovative engineered products. Piranha Hose Products also manufactures hydraulic hoses and specialty application hoses.

LATERAL LINE and SHP HOSE

CONSTRUCTION

A yellow olefin tube, double high tensile braid reinforcement, and a blue polyether-urethane cover.

| KEY CHARACTERISTICS | | | | PIRANHA LL 3,000 | | | |
|---------------------|------------|-------------------|-------------------|-----------------------|-------------------------|---------------------|---------------|
| Hose# | Hose Color | Nom I.D. (Inches) | Nom O.D. (Inches) | Max. Op. Pressure PSI | Min. Burst Pressure PSI | Minimum Bend Radius | Weight lbs/ft |
| LL8 - 3000 | Blue | .505 | .834 | 3,000 | 7,500 | 4" | .160 |



TEMPERATURE RANGE ON ALL LATERAL LINE AND SHP HOSE IS -40 °F to 122°F

CONSTRUCTION

A yellow olefin tube, double high tensile braid reinforcement, and a safety green polyether-urethane cover.

| KEY CHARACTERISTICS | | | | PIRANHA LL 4,000 | | | |
|---------------------|------------|-------------------|-------------------|-----------------------|-------------------------|---------------------|---------------|
| Hose# | Hose Color | Nom I.D. (Inches) | Nom O.D. (Inches) | Max. Op. Pressure PSI | Min. Burst Pressure PSI | Minimum Bend Radius | Weight lbs/ft |
| LL2-4000 | Green | .140 | .322 | 4,000 | 10,000 | 1.25" | .035 |
| LL3-4000 | Green | .188 | .413 | 4,000 | 10,000 | 1.75" | .052 |
| LL4-4000 | Green | .253 | .496 | 4,000 | 10,000 | 2.5" | .064 |
| LL6-4000 | Green | .382 | .648 | 4,000 | 10,000 | 3" | .105 |
| LL8-4000 | Green | .505 | .834 | 4,000 | 10,000 | 4" | .160 |

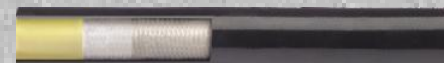


PLEASE CALL CUSTOMER SERVICE AT (231) 779-4390 FOR AVAILABILITY ON TOOLING, FITTINGS AND MENDERS

CONSTRUCTION

A yellow olefin tube, double high tensile braid reinforcement, and a black polyether-urethane cover. (SHP-10 has a single aramid braid)

| KEY CHARACTERISTICS | | | | PIRANHA SHP 4,000 | | | |
|---------------------|------------|-------------------|-------------------|-----------------------|-------------------------|---------------------|---------------|
| Hose# | Hose Color | Nom I.D. (Inches) | Nom O.D. (Inches) | Max. Op. Pressure PSI | Min. Burst Pressure PSI | Minimum Bend Radius | Weight lbs/ft |
| SHP-8 | Black | .500 | .870 | 4,000 | 12,000 | 3" | .198 |
| SHP-10 | Black | .625 | .905 | 4,000 | 12,000 | 4" | .157 |



THE USE OF END FITTINGS AND ASSEMBLY TOOLING OTHER THAN THAT SUPPLIED BY PIRANHA HOSE PRODUCTS IS AT THE RISK AND LIABILITY OF THE USER.

CONSTRUCTION

A yellow olefin tube, double high tensile braid reinforcement, and a red polyether-urethane cover. (LL8-5000 has a single aramid braid)

| KEY CHARACTERISTICS | | | | PIRANHA LL 5,000 | | | |
|---------------------|------------|-------------------|-------------------|-----------------------|-------------------------|---------------------|---------------|
| Hose# | Hose Color | Nom I.D. (Inches) | Nom O.D. (Inches) | Max. Op. Pressure PSI | Min. Burst Pressure PSI | Minimum Bend Radius | Weight lbs/ft |
| LL3-5000 | Red | .188 | .413 | 5,000 | 12,500 | 1.75" | .035 |



PIRANHA SEWER HOSE

Piranha[®] hose is constructed from materials selected to provide rugged and reliable service under even the most severe and demanding conditions found in high pressure sewer cleaning applications. Every Piranha sewer cleaning hose is constructed with a poly-olefin tube which provides maximum resistance to the hydrolysis commonly associated with other thermoplastic tube materials.

Reinforcement with high tensile polyester fiber contributes to an exceptionally low volumetric expansion rate and eliminates loss of strength from moisture absorption. A polyether-urethane cover provides exceptional cut, abrasion and fungus resistance. And lastly, all components are bonded together to maximize fitting retention and wear resistance, and provide smaller minimum bend radii.

SP HOSE



CONSTRUCTION

2,500 PSI

A yellow olefin tube, single high tensile braid reinforcement, and an orange polyether-urethane cover.

TEMPERATURE RANGE: -40 °F to 122°F

| KEY CHARACTERISTICS | | | | PIRANHA SP HOSE | | | | |
|---------------------|------------|--------------------|--------------------|-----------------------------|-------------------------|---------------------|--------------------------|---------------|
| Hose# | Hose Color | Hose I.D. (Inches) | Hose O.D. (Inches) | Max. Operating Pressure PSI | Min. Burst Pressure PSI | Minimum Bend Radius | Cover Thickness (Inches) | Weight lbs/ft |
| SP - 10 | Orange | .625 | .960 | 2,500 | 6,250 | 4" | .050 | .19 |
| SP - 12 | Orange | .750 | 1.18 | 2,500 | 6,250 | 5" | .070 | .28 |
| SP - 16 | Orange | 1.00 | 1.46 | 2,500 | 6,250 | 6" | .065 | .40 |
| SP - 20 | Orange | 1.26 | 1.80 | 2,500 | 6,250 | 8" | .095 | .59 |

HP HOSE



CONSTRUCTION

3,000 PSI

A yellow olefin tube, double high tensile braid reinforcement, and a blue polyether-urethane cover.

TEMPERATURE RANGE: -40 °F to 122°F

| KEY CHARACTERISTICS | | | | PIRANHA HP HOSE | | | | |
|---------------------|------------|--------------------|--------------------|-----------------------------|-------------------------|---------------------|--------------------------|---------------|
| Hose# | Hose Color | Hose I.D. (Inches) | Hose O.D. (Inches) | Max. Operating Pressure PSI | Min. Burst Pressure PSI | Minimum Bend Radius | Cover Thickness (Inches) | Weight lbs/ft |
| HP - 12 | Blue | .750 | 1.18 | 3,000 | 7,500 | 5" | .055 | .29 |
| HP - 16 | Blue | 1.00 | 1.475 | 3,000 | 7,500 | 8" | .050 | .41 |

PIRANHA CRIMP-SEWER 1 PIECE FITTING

TO USE FOR HOSE SERIES: HABU, LAGR, SAOR, SL/HPBU, SL/LLBU, SL/LHBK, SL/LLGR, SL/LLRD, SL/SHBK, SL/SPOR

| HOSE | SIZE (ID) | MALE FITTING | FEMALE FITTING | MALE SWIVEL | CRIMP DIAMETER (In) | CRIMP DIAMETER (mm) | LENGTH (In) | LENGTH (mm) | INSERTION DEPTH (In) | INSERTION DEPTH (mm) | DIES |
|------------|-----------|-----------------|----------------|-------------|---------------------|---------------------|----------------|---------------|----------------------|----------------------|---------|
| HABU-12 | 3/4 | FAR12NPT12 | FAR12FS12 | NA | 1.320 +/- .005 | 33.5 +/- .130 | 1.500 +/- .005 | 38.1 +/- .130 | 1.750 | 44.450 | 99S-30 |
| HABU-16 | 1 | FAR16NPT16 | FAR16FS16 | NA | 1.585 +/- .005 | 40.3 +/- .130 | 2.00 +/- .005 | 50.8 +/- .130 | 2.000 | 50.800 | 99S-34 |
| HPBU-12 | 3/4 | F12NPT12 | F12FS12 | NA | 1.200 +/- .005 | 30.5 +/- .130 | 1.500 +/- .005 | 38.1 +/- .130 | 1.750 | 44.450 | 99S-30C |
| HPBU-16 | 1 | F16NPT16 | F16FS16 | NA | 1.465 +/- .005 | 37.2 +/- .130 | 2.000 +/- .005 | 50.8 +/- .130 | 2.125 | 53.975 | 99S-34B |
| LAGR-08 | 1/2 | FAR08NPT8 | FAR08FS08 | NA | .985 +/- .005 | 25.0 +/- .130 | 1.375 +/- .005 | 34.9 +/- .130 | 1.500 | 38.100 | 99S-22 |
| SAOR-10 | 5/8 | FAR10NPT8 | NA | NA | 1.115 +/- .005 | 28.3 +/- .130 | 1.570 +/- .005 | 39.9 +/- .130 | 1.875 | 47.600 | 99S-27 |
| SAOR-12 | 3/4 | FAR12NPT12 | FAR12FS12 | NA | 1.300 +/- .005 | 33.0 +/- .130 | 1.440 +/- .005 | 36.6 +/- .130 | 1.750 | 44.450 | 99S-30 |
| SAOR-16 | 1 | FAR16NPT16 | FAR16FS16 | NA | 1.585 +/- .005 | 40.3 +/- .130 | 2.00 +/- .005 | 50.8 +/- .130 | 2.000 | 50.800 | 99S-34 |
| SAOR-20 | 1 1/4 | FAR20NPT20 | NA | NA | | | | | | | |
| SL/LHBK-08 | 1/2 | F08NPT8 | F08FS8 | F08MSNPT8 | | | | | | | |
| SL/LLBU-08 | 1/2 | F08NPT8 | F08FS8 | F08MSNPT8 | .870 +/- .005 | 22.1 +/- .130 | 1.250 +/- .005 | 31.8 +/- .130 | 1.250 | 31.800 | 99S-22 |
| SL/LLGR-02 | 1/8 | F02NPT2 | NA | NA | .368 +/- .003 | 9.4 +/- .080 | 0.520 +/- .003 | 13.2 +/- .080 | 0.500 | 12.700 | 99S-8 |
| SL/LLGR-03 | 3/16 | F03NPT2/F03NPT4 | NA | NA | .485 +/- .005 | 12.3 +/- .130 | 0.875 +/- .005 | 22.2 +/- .130 | 0.750 | 19.050 | 99S-12 |
| SL/LLGR-04 | 1/4 | F04NPT4 | NA | F04MSNPT4 | .565 +/- .005 | 14.4 +/- .130 | 1.080 +/- .005 | 27.4 +/- .130 | 1.125 | 28.580 | 99S-13 |
| SL/LLGR-06 | 3/8 | F06NPT6 | NA | F06MSNPT6 | .689 +/- .005 | 17.5 +/- .130 | 1.080 +/- .005 | 27.4 +/- .130 | 1.200 | 30.480 | 99S-16 |
| SL/LLGR-08 | 1/2 | F08NPT8 | F08FS8 | F08MSNPT8 | .870 +/- .005 | 22.1 +/- .130 | 1.250 +/- .005 | 31.8 +/- .130 | 1.250 | 31.800 | 99S-22 |
| SL/LLGR-12 | 3/4 | FAR12NPT12 | NA | NA | 1.310 +/- .005 | 33.3 +/- .130 | 1.440 +/- .005 | 36.6 +/- .130 | 1.750 | 44.450 | 99S-30 |
| SL/LLGR-16 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SL/LLRD-04 | 1/4 | F04NPT4 | NA | F04MSNPT4 | .565 +/- .005 | 14.4 +/- .130 | 1.080 +/- .005 | 27.4 +/- .130 | 1.125 | 28.580 | 99S-13 |
| SL/LLRD-06 | 3/8 | FCP06NPT-Z7 | NA | F06MSNPT6 | .745 +/- .005 | 18.9 +/- .130 | 1.080 +/- .005 | 27.4 +/- .130 | 1.200 | 30.480 | 99S-16 |
| SL/LLRD-08 | 1/2 | F08NPT8 | NA | F08MSNPT8 | .845 +/- .005 | 21.5 +/- .130 | 1.250 +/- .005 | 31.8 +/- .130 | 1.375 | 34.930 | 99S-19 |
| SL/SHBK-08 | 1/2 | FHP08NPT8 | FHP08FS8 | FHP08MSNPT8 | .900 +/- .005 | 22.9 +/- .130 | 1.375 +/- .005 | 34.9 +/- .130 | 1.375 | 34.930 | 99S-22 |
| SL/SHBK-10 | 5/8 | FHP10NPT8 | NA | NA | .945 +/- .005 | 24.0 +/- .130 | 1.625 +/- .005 | 41.3 +/- .130 | 1.750 | 44.450 | 99S-22 |
| SL/SPOR-10 | 5/8 | F10NPT8 | NA | NA | 1.040 +/- .005 | 26.4 +/- .130 | 1.750 +/- .005 | 44.5 +/- .130 | 1.750 | 44.450 | 99S-22 |
| SL/SPOR-12 | 3/4 | F12NPT12 | F12FS12 | NA | 1.200 +/- .005 | 30.5 +/- .130 | 1.500 +/- .005 | 38.1 +/- .130 | 1.750 | 44.450 | 99S-30C |
| SL/SPOR-16 | 1 | F16NPT16 | F16FS16 | NA | 1.480 +/- .005 | 37.6 +/- .130 | 1.750 +/- .005 | 44.5 +/- .130 | 2.125 | 53.975 | 99S-34B |
| SL/SPOR-20 | 1 1/4 | F20NPT20 | NA | NA | 1.800 +/- .005 | 45.7 +/- .130 | 1.500 +/- .005 | 41.3 +/- .005 | 1.750 | 44.450 | 99S-42 |
| SL/SPOR-24 | 1 1/2 | F24NPT24 | NA | NA | 2.310 +/- .005 | 58.7 +/- .130 | 2.125 +/- .005 | 54.0 +/- .130 | 2.125 | 53.975 | 99S-57 |



2500 WEIGEL STREET CADILLAC, MI 49601

TOLL FREE: 800-250-5132

WEBSITE: WWW.PIRANHAHOSE.COM

REV.W 9/29/15

WARNING!

IF YOU SEE “IT” - STOP “IT”: FAILURE TO PROPERLY REPAIR OR REPLACE HOSE AFTER EXPOSING WHITE BRAID REINFORCEMENT LAYER, CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.



DANGER

READ AND UNDERSTAND
THE FOLLOWING:

HOSE BASICS



LIKE STRANDS IN A BRIDGE CABLE, EACH REINFORCEMENT FIBER PLAYS AN EXACT ROLE IN THE ULTIMATE BURST STRENGTH OF THE HOSE. A **MINOR** SLICE OR NICK IN THE REINFORCEMENT CAN RESULT IN TOTAL HOSE FAILURE.

THE AGE OF THE HOSE **DOES NOT MATTER!** IT IS UNFORTUNATE, BUT EVEN HOSE USED (1) TIME CAN BE DAMAGED IN SEVERE APPLICATIONS. THESE HOSES MUST BE IMMEDIATELY REMOVED FROM SERVICE.

1. NEVER EXCEED THE MAXIMUM WORKING **PRESSURE**.
2. NEVER EXCEED THE MAXIMUM WORKING **TEMPERATURE**.
3. NEVER APPLY PRESSURE TO A **DAMAGED** HOSE.
4. HIGH PRESSURE HOSES ARE DESIGNED TO USE SPECIFIC **FITTINGS** AND **TOOLING**. NEVER USE A DIFFERENT **BRAND** OF FITTINGS OR TOOLING. FAILURE TO DO SO CAN CAUSE DEATH, PERSONAL INJURY AND/OR PROPERTY DAMAGE.
5. A **KINKED, CRUSHED,** OR **BLISTERED** HOSE WILL EVENTUALLY FAIL - DO NOT RISK INJURY. IMMEDIATELY REPAIR OR REMOVE HOSE FROM SERVICE.
6. FOLLOW THE PUMP/EQUIPMENT MANUFACTURERS **INSTRUCTIONS** FOR PRESSURIZED HOSE TESTING.



2500 Weigel St. Cadillac, MI 49601
Phone: (231) 779-4390 Fax: (231) 779-4399
piranhahose.com email: sales@piranhahose.com

(See reverse side for excerpts from the 2003 WASTEC guidelines)

T305007