

LABLINE MECHANICAL JOINT ACID WASTE SYSTEMS

1-1/2" - 4"

LABLINE®

Labline (Mechanical Joint) has displaced the more expensive and difficult to install glass and metal systems. Gone is the need for fusing, caulking or welding of joints. Joining of the Labline System is complete in just 30 seconds and once the nut is locked into place, the end-user is assured of many years of trouble-free service. Yet, because it is a mechanical joint, the system can be easily dismantled and re-used, making it ideal for modular designs and for systems that may require re-modeling in the future.

STANDARDS



NSF-approved
IAPMO-listed & CSA-certified
Meets ASTM F1412, D4101 and CSA B181.3

DID YOU KNOW?

Both Labline® and Plenumline™ contain no-heat Elastolives™ for quick installation and high performance.

ADVANTAGES

- 1 **30 second jointing** – save on installation time
- 2 **Proven reliability** for over 30 years
- 3 **Labline is manufactured from polypropylene** which has an operating temperature range from -10°F to 180°F. With occasional exposure to 212°F; this allows systems to be flushed with boiling water
- 4 **All plastic construction** – no galvanic action, electrolysis or corrosion in the joint
- 5 **Simple, inexpensive, non-temperamental tools**
- 6 **Easy to install**, even in difficult areas
- 7 **Mastered by plumbers in minutes.**
No pre-heating required to install olive
- 8 **System changes during installation can be done without spoiling fittings**
- 9 **Can be disassembled and re-used**
- 10 **Ideal for modular systems**
- 11 **Ideal for remodeling**
- 12 **Matched system** – high quality pipe and fittings are matched to give ease of installation and long term reliability



SHORT FORM SPECIFICATIONS

GENERAL

Acid waste drain and vent system, as shown on drawings, shall be NSF listed, Schedule 40, polypropylene as manufactured by IPEX to include pipe supplied in 10 ft. lengths (or 20 ft lengths if NFRPP is specified), and matched fittings, traps and neutralization tanks from the same manufacturer. It shall also include recommended adapters to connect to other piping materials, where applicable.

MATERIAL

Pipe shall be made from NSF listed Type 110 or 210, flame retardant polypropylene conforming to ASTM D4101, with a maximum average flame spread of zero seconds and a maximum extent of burning of 13 mm, in accordance with ASTM D635. Matched fittings shall be made from NSF listed flame retardant polypropylene with average maximum burn time of 80 seconds and maximum extent of burning of 20 mm in accordance with ASTM D635.

If NFRPP pipe is specified, it shall be made from NSF 14 listed and CSA certified Schedule 40 PP as manufactured by IPEX. Pipe shall comply with ASTM F1412 and material used shall comply with the material requirements of ASTM D4101.

FITTINGS

Fittings shall be NSF listed, be of all plastic construction and be designed to lock into a machined groove on the mating piping. All fittings shall have integrally molded union connections. No metallic grab rings or clamps shall be allowed. Fittings containing EVA (ethylene vinyl acetate) are strictly prohibited. Couplings shall not be added to make mechanical joint fittings. Fittings shall be Labline or approved equivalent.

JOINTS

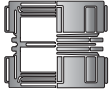
Connections between polypropylene pipe and matched fittings shall be made using the Labline Joint.

INSTALLATION AND TESTING

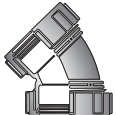
Installation and testing shall be in accordance with the contract drawings, the manufacturer's recommendations and the local plumbing codes. Testing with compressed air is prohibited. The entire system shall be installed free of stress and in proper alignment. Horizontal supports shall provide a wide bearing area and be free of burrs or sharp edges. Support spacings shall be in accordance with the manufacturer's recommendations and local plumbing codes. Vertical piping shall have riser clamps at each floor. Pipe supports shall be installed so that horizontal piping is in uniform alignment and with a uniform slope of at least 1/8" per foot, or in accordance with the local plumbing codes.



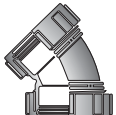
PRODUCT SELECTION CHART – LABLINE

| | Dimension inches | Significant Number | Product Code |
|---|---------------------|-----------------------|-----------------|
|  | 1-1/2 | W161 | 156161 |
| | 2 | W162 | 156162 |
| | 3 | W163 | 156163 |
| | 4 | W164 | 156164 |

1/8 Bend (45°)

| | | | |
|---|-------|------|--------|
|  | 1-1/2 | W191 | 156191 |
| | 2 | W192 | 156192 |
| | 3 | W193 | 156193 |
| | 4 | W194 | 156194 |


Loose Nut 1/8 Bend (45°) MJ x LN

| | | | |
|--|-------|------|--------|
|  | 1-1/2 | W211 | 156216 |
| | 2 | W212 | 156217 |
| | 3 | W213 | 156218 |
| | 4 | W214 | 156219 |

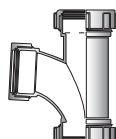
1/4 Bend (90°)

| | | | |
|---|-------|------|--------|
|  | 1-1/2 | W181 | 156181 |
| | 2 | W182 | 156182 |
| | 3 | W183 | 156183 |
| | 4 | W184 | 156184 |

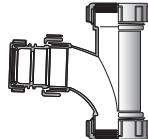
Loose Nut 1/4 Bend (90°) MJ x LN

| | | | |
|---|-------|------|--------|
|  | 1-1/2 | W291 | 156291 |
| | 2 | W292 | 156292 |
| | 3 | W293 | 156293 |
| | 4 | W294 | 156294 |

Sanitary Tee

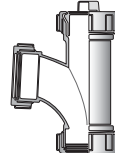
| | | | |
|---|-------|------|--------|
|  | 1-1/2 | W201 | 156201 |
| | 2 | W202 | 156203 |
| | 3 | W203 | 156206 |
| | 4 | W204 | 156210 |

Reducing Sanitary Tee

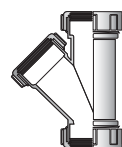
| | | | |
|---|-------------|-------|--------|
|  | * 2 x 1-1/2 | W2021 | 156204 |
| | * 3 x 1-1/2 | W2031 | 156207 |
| | * 3 x 2 | W2032 | 156208 |
| | * 4 x 1-1/2 | W2041 | 156211 |
| | * 4 x 2 | W2042 | 156212 |
| | * 4 x 3 | W2043 | 156213 |

* Assembled

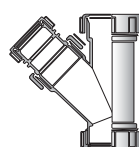
Cleanout Tee

| | | | |
|---|-------|-------|--------|
|  | 1-1/2 | W2015 | 156202 |
| | 2 | W2025 | 156205 |
| | 3 | W2035 | 156209 |
| | 4 | W2045 | 156214 |

45° Wye

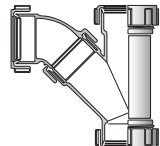
| | | | |
|--|-------|------|--------|
|  | 1-1/2 | W371 | 156361 |
| | 2 | W372 | 156363 |
| | 3 | W373 | 156367 |
| | 4 | W374 | 156373 |

Reducing 45° Wye

| | | | |
|---|-------------|-------|--------|
|  | * 2 x 1-1/2 | W3721 | 156364 |
| | * 3 x 1-1/2 | W3731 | 156368 |
| | * 3 x 2 | W3732 | 156369 |
| | * 4 x 1-1/2 | W3741 | 156374 |
| | * 4 x 2 | W3742 | 156375 |
| | * 4 x 3 | W3743 | 156376 |

* Assembled

Combination Wye & 1/8 Bend

| | | | |
|---|---------|-------|--------|
|  | * 1-1/2 | W3715 | 156362 |
| | * 2 | W3725 | 156365 |
| | * 3 | W3735 | 156370 |
| | * 4 | W3745 | 156377 |

* Assembled

All Labline fittings are furnished assembled with Olives and Union Nuts. IPEX components are dimensionally matched; do not install system of mixed brands without our expressed written consent.