

# 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

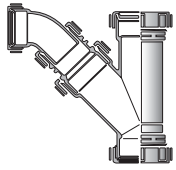
Installation and testing shall be in accordance with the contract drawings, the manufacturer's recommendations and the local plumbing codes. Testing with compressed air is prohibited. The entire system shall be installed free of stress and in proper alignment. Horizontal supports shall provide a wide 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
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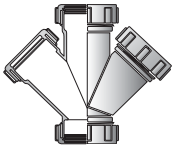
### Reducing Combination Wye & 1/8 Bend



* 2 x 1-1/2	W37251	156366
* 3 x 1-1/2	W37351	156371
* 3 x 2	W37352	156372
* 4 x 1-1/2	W37451	156380
* 4 x 2	W37452	156378
* 4 x 3	W37453	156379

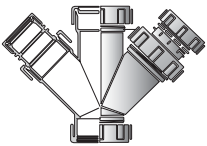
\* Assembled

### Double Wye



1-1/2	W381	156381
2	W382	156383
3	W383	156387
4	W384	156392

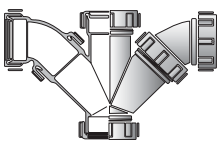
### Reducing Double Wye



* 2 x 1-1/2	W3821	156384
* 3 x 1-1/2	W3831	156388
* 3 x 2	W3832	156389
* 4 x 1-1/2	W3841	156405
* 4 x 2	W3842	156393
* 4 x 3	W3843	156394

\* Assembled

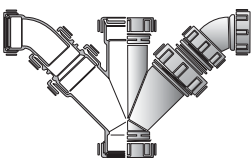
### Double Wye & 1/8 Bend



* 1-1/2	W3815	156382
* 2	W3825	156385
* 3	W3835	156390
* 4	W3845	156395

\* Assembled

### Reducing Double Wye & 1/8 Bend

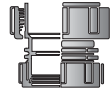


* 2 x 1-1/2	W38251	156386
* 3 x 1-1/2	W38351	156406
* 3 x 2	W38352	156391
* 4 x 1-1/2	W38451	156407
* 4 x 2	W38452	156396
* 4 x 3	W38453	156408

\* Assembled

Dimension inches	Significant Number	Product Code
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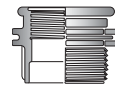
### Reducing Coupling LN x MJ



2 x 1-1/2	W3921	156397
3 x 1-1/2	W3931*	156398
3 x 2	W3932*	156400
4 x 1-1/2	W3941*	156399
4 x 2	W3942*	156401
4 x 3	W3943	156402

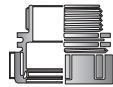
\* Loose nut not furnished

### Threaded Adapter Male Thread x Female Thread



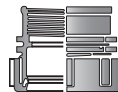
1-1/2 x 1-1/4	W121	156121
1-1/2 x 1-1/2	W131	156131

### Male Adapter MJ x Male Thread



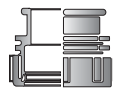
1-1/2	W141T	156141
2	W142	156142
3	W143	156143
4	W144	156144

### Female Adapter MJ x Female Thread



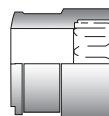
1-1/2	W151	156151
2	W152	156152

### Glass Adapter MJ x Bead



1-1/2	W451	156451
2	W452	156452
3	W453	156453
4	W454	156454

### Cast Iron Adapter EJ x Sp



1-1/2	L461	257511
† 2	L462	257512
† 3	L463	257513
† 4	L464	257514

† Fabricated

### Duriron Adapter MJ x Spigot



1-1/2	W461	156461
2	W462	156462
3	W463	156463
4	W464	156464

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