

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

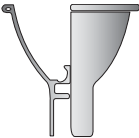
Connections between polypropylene pipe and matched fittings shall be made using the Labline Joint.


INSTALLATION AND TESTING

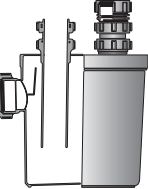
Installation and testing shall be in accordance with the contract drawings, the manufacturer's recommendations and the local plumbing codes. Testing with compressed air is prohibited. The entire system shall be installed free of stress and in proper alignment. Horizontal supports shall provide a wide 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
	6 x 4 Deep	W401B	156403
	4 x 4 Deep	W402	156404
	plug	W4011B	156409
	(Plug for W401B)		

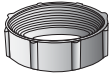
	Dimension inches	Significant Number	Product Code
	6 x 3	W497	156491
	9 x 3	W498	156493
	nut	W4971	156492
	(Nut for W497)		

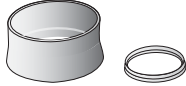
	Dimension inches	Significant Number	Product Code
	1-1/2	W601	156601
	* 1-1/2	W611	156611
* Transparent Base			

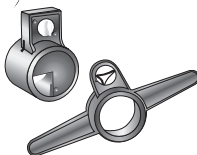
	Dimension inches	Significant Number	Product Code
	* 1-1/2	W251	156251
	* 2	W252	156252
* Obsolete when stock depleted			


	Dimension inches	Significant Number	Product Code
	3/8	434305	437340
	1/2	434306	437341
	3/4	434307	437342
	1	434308	437343
	1-1/4	434309	437344
	1-1/2	434310	437345
	2	434311	437346
	2-1/2	434312	437347
	3	434313	437348
4	434314	437349	


Note: 3/8" 1/2", 3/4" and 1" pipe clips are supplied without retaining bands.


	Dimension inches	Significant Number	Product Code
	1-1/2	W231	156231
	2	W232	156232
	3	W233	156233
	4	W234	156234

	Dimension inches	Significant Number	Product Code
	1-1/2	W221NH	156222
	2	W222NH	156113
	3	W223NH	156114
	4	W224NH	156115

	Dimension inches	Significant Number	Product Code
	1-1/2	W261	156109
	2	W262	156110
	3	W263	156111
	4	W264	156112

	Dimension inches	Significant Number	Product Code
	1-1/2	W2611	156264
	2	W2622	156266
	3	W2633	156268
	4	W2644	156270

	Dimension inches	Significant Number	Product Code
	1-1/2	W261CS	156263
	2	W262CS	156265
	3	W263CS	156267
	4	W264CS	156269

	Dimension inches	Significant Number	Product Code
	1 kg	-	156715

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