# ACID WASTE PIPING SYSTEMS

INDUSTRIAL SYSTEMS

## YOUR LAB SPECIALIST

- Enfield™ Electrofusion Acid Waste Systems FRPP & NRFPP
- Labline® Mechanical-Joint Acid Waste System FRPP
- Plenumline™ Mechanical Joint Acid Waste System FR-PVDF
- Encase™ Double Containment System FRPP & NFRPP
- Neutratank® Neutralization Tanks HDPE & PP
- Floway™ Drains PP
- Neutrasystem2™ Monitoring

**We build tough products for tough environments®**

IPEX
by aliaxis

# Integrated Total Laboratory SOLUTIONS

For more than 30 years, IPEX has been supplying industrial, commercial, school and hospital laboratories throughout North America with high-quality, easy-to-install acid waste systems designed to handle a wide variety of chemicals and pH levels.

Our comprehensive line of dedicated acid waste conveyance, neutralization and monitoring systems offers innovative features not available with any other system. In fact, IPEX Enfield™ electrofusion and Labline® mechanical joint systems have long been recognized as the industry benchmark for performance and reliability, and are among the most widely specified systems in North America. Also available through IPEX is the next generation, E-84 compliant Plenumline™ system, made of flame retardant PVDF for extremely demanding applications such as return-air plenums.

The complete range of IPEX integrated total solutions for acid waste applications also includes our Neutratank® neutralization tanks, Neutrasystem2™ pH monitoring system and Floway™ drains, as well as Encase™ double containment systems.

Increasingly stringent government and industry standards, along with the widespread public desire to minimize the impact of chemical waste on the environment, continues to make compliance a vital concern for our customers.

- IPEX offers a complete range of pipe and fittings in a variety of materials to suit any acid waste application.
- With the ability to handle intermittent temperatures from -10°F to 212°F and self extinguishing properties, our flame-retardant polypropylene (FRPP) systems are ideally suited for all above-grade laboratory applications.

- With identical chemical/temperature properties for below-grade installations, our non-flame-retardant polypropylene (NFRPP) is the material of choice.
- Specifically designed and approved for use in return-air plenums or higher temperature/higher concentration applications, IPEX offers a flame-retardant polyvinylidenefluoride (FR-PVDF) system.

Compared to conventional ductile iron and borosilicate glass systems, all three IPEX thermoplastic materials exhibit excellent resistance to a wide range of chemicals with pH from 1 to 13 and will not corrode, rust, pit or scale and offer much greater flexibility/impact resistance. The result: far easier installations, low maintenance and substantial cost savings over the life of the systems.

## YOUR FULL-SPECTRUM ACID WASTE SPECIALIST

**ENFIELD™**

**LABLINE®**

**PLENUMLINE™**

**FLOWAY™**

**NEUTRATANK®**

**NEUTRASYSTEM2™**

# ENFIELD™ ELECTROFUSION ACID WASTE SYSTEMS

ENFIELD™

Enfield electrofusion fittings are molded with an integral resistance wire in the socket, with jointing completed by energizing the resistance wire via a microprocessor controlled Enfusion Control Unit. The result of these innovations is an unparalleled level of joint reliability and repeatability. Enfield has proven over time that it produces the optimum level of performance where it matters most – at the joint interface. It offers unprecedented control of jointing – controlled fit, controlled temperature and controlled time.

Enfield offers polypro fittings, constructed with a heavy gauge resistance wire that is integrally molded into the socket. These are considered to be the premier fittings on the market.

## ADVANTAGES

**POSITIVE RELIABLE JOINTS** made in 2 minutes – installation time is reduced

**SEVERAL JOINTS CAN BE MADE AT ONE TIME**

**PROVEN RELIABILITY** for over a decade

**ENFIELD IS MANUFACTURED FROM POLYPROPYLENE** which has an operating temperature range from -10°F to 212°F. *This allows systems to be flushed with boiling water

**HEAVY GAUGE RESISTANCE WIRE** molded into sockets – no loose components, controlled fusion of joints

**EASY CONNECTING** heavy duty socket terminal posts complete with protection ears

**MICROPROCESSOR CONTROLLED ENFUSION UNIT** ensures secure joints and joint repeatability

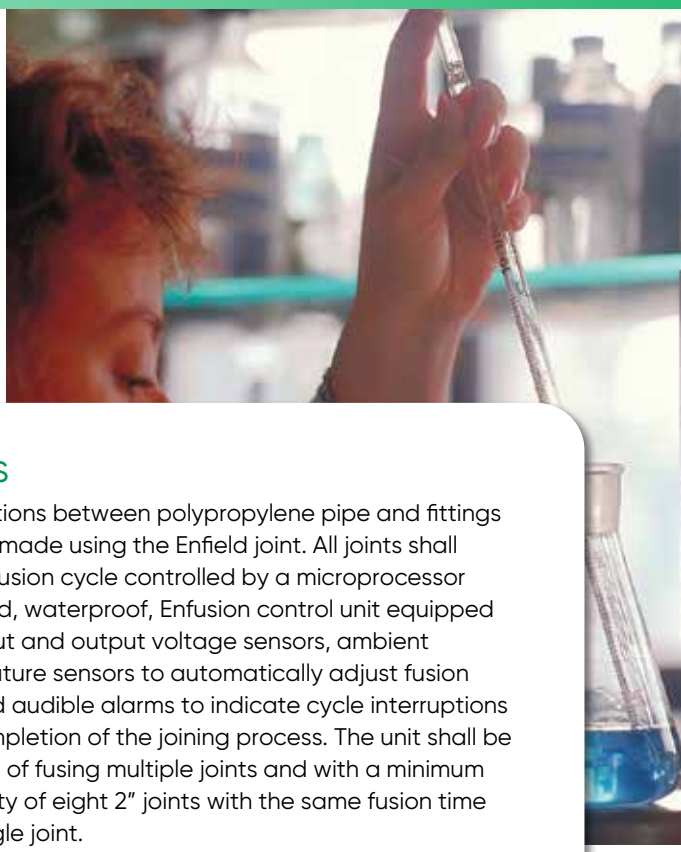
**MATCHED SYSTEM** – high quality pipe and fittings are matched to give ease of installation and long term reliability

**EASY TO INSTALL** – even in difficult areas

**INSTALLED COST 50% LESS THAN GLASS**

**BREAKAGE FACTOR ELIMINATED**

**MAINTENANCE FREE**



# SHORT FORM SPECIFICATIONS

## GENERAL

Acid waste drain and vent system, as shown on drawings, shall be NSF listed and CSA certified Schedule 40, polypropylene as manufactured by IPEX. System to include pipe supplied in 10 ft. lengths (or 20 ft lengths if NFRPP is specified), 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 and have an integral heavy gauge, nickel/chrome electrical resistance wire molded in place in the fitting body. Copper wire elements, loose wire or other loose joint components, are prohibited. Fittings shall be Enfield or approved equal.

## JOINTS

Connections between polypropylene pipe and fittings shall be made using the Enfield joint. All joints shall have a fusion cycle controlled by a microprocessor operated, waterproof, Enfusion control unit equipped with input and output voltage sensors, ambient temperature sensors to automatically adjust fusion time and audible alarms to indicate cycle interruptions and completion of the joining process. The unit shall be capable of fusing multiple joints and with a minimum capability of eight 2" joints with the same fusion time as a single joint.

Connections between polypropylene and other piping materials shall be made using Enfield adapters according to manufacturer's (IPEX) recommendations. All electrofusion machines shall be third party certified by UL and CSA.

## 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 should 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

### AW POLYPROPYLENE PIPE FLAME RETARDANT Sch 40

10' Lengths

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W001 | 146001 |
| 2 | W002 | 146002 |
| 3 | W003 | 146003 |
| 4 | W004 | 146004 |
| 6 | W006 | 146006 |
| 8 | W008 | 146008 |
| 10 | W010 | 146010 |
| 12 | W012 | 146012 |

### AW POLYPROPYLENE PIPE FLAME RETARDANT Sch 40

20' Lengths
Note: 20' Schedule 40 FR pipe is a non-stock item available upon special request.

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W001-20 | 146031 |
| 2 | W002-20 | 146032 |
| 3 | W003-20 | 146033 |
| 4 | W004-20 | 146034 |
| 6 | W006-20 | 146036 |
| 8 | W008-20 | 146038 |
| 10 | W010-20 | 146040 |

### AW POLYPROPYLENE PIPE FLAME RETARDANT Sch 80

10' Lengths

| | | |
|---|---|---|
| 1-1/2 | WT001 | 146013 |
| 2 | WT002 | 146014 |
| 3 | WT003 | 146015 |
| 4 | WT004 | 146016 |

### AW POLYPROPYLENE PIPE FLAME RETARDANT Sch 80

| | | |
|---|---|---|
| 3 | WT003-20 | 146024 |

20' Lengths
Note: 20' Schedule 80 FR pipe is a non-stock item available upon special request.

### AW POLYPROPYLENE PIPE BLACK NON-FLAME RETARDANT Sch 40

20' Lengths

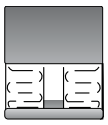
| | | |
|---|---|---|
| 1-1/2 | WB01 | 146101 |
| 2 | WB02 | 146102 |
| 3 | WB03 | 146103 |
| 4 | WB04 | 146104 |
| 6 | WB06 | 146106 |
| 8 | WB08 | 146108 |
| 10 | WB10 | 146110 |
| 12 | WB12 | 146212 |

### AW POLYPROPYLENE PIPE BLACK NON-FLAME RETARDANT Sch 80

20' Lengths

| | | |
|---|---|---|
| 1-1/2 | WB1106 | 146201 |
| 2 | WB1107 | 146202 |
| 3 | WB1108 | 146203 |
| 4 | WB1109 | 146204 |
| 6 | WB1110 | 146206 |
| 8 | WB1111 | 146208 |
| 10 | WB1112 | 146210 |
| 12 | WB1113 | 146211 |

### BLACK NON-FLAME RETARDANT ENFIELD COUPLING



| | | |
|---|---|---|
| 2 | L162B | 257147 |
| 3 | L163B | 257150 |
| 4 | L164B | 257154 |
| 6 | L166B | 257158 |
| 8 | L168B | 257161 |
| 10 | L1610B | 257143 |
| 12 | L1612B | 257145 |

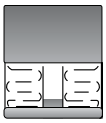
### COUPLING EJ

| | | |
|---|---|---|
| 1-1/2 | L161 | 257141 |
| 2 | L162 | 257146 |
| 3 | L163 | 257149 |
| 4 | L164 | 257153 |
| 6 | L166 | 257157 |
| 8 | L168 | 257160 |
| 10 | L1610 | 257142 |
| 12 | L1612 | 257144 |

IPEX components are dimensionally matched; do not install system of mixed brands without our expressed written consent.

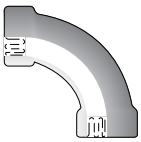
# PRODUCT SELECTION CHART

### FABRICATED REPAIR COUPLING EJ



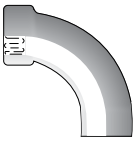
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 2 | L162R | 257148 |
| 3 | L163R | 257152 |
| 4 | L164R | 257156 |
| 6 | L166R | 257159 |
| 8 | L168R | 257295 |

### 90° SWEEP EJ



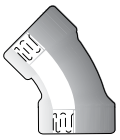
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L171 | 257171 |
| 2 | L172 | 257172 |
| 3 | L173 | 257173 |
| 4 | L174 | 257174 |
| 6 | L176 | 257175 |

### 90° SWEEP EJ x Sp



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L281 | 257281 |
| 2 | L282 | 257282 |
| 3 | L283 | 257283 |
| 4 | L284 | 257284 |
| 6 | L286 | 257286 |

### 1/8 BEND EJ



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L191 | 257191 |
| 2 | L192 | 257194 |
| 3 | L193 | 257195 |
| 4 | L194 | 257196 |
| 6 | L196 | 257197 |

### 1/8 BEND EJ x Sp

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L211 | 257221 |
| 2 | L212 | 257222 |
| 3 | L213 | 257223 |
| 4 | L214 | 257224 |
| 6 | L216 | 257225 |

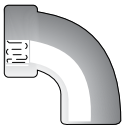
### FABRICATED 1/8 BEND EJ

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 8 | L198 | 257198 |
| 10 | L1910 | 257192 |
| 12 | L1912 | 257193 |

### 1/4 BEND (90°) EJ

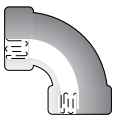
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L181 | 257181 |
| 2 | L182 | 257184 |
| 3 | L183 | 257031 |
| 4 | L184 | 257032 |
| 6 | L186 | 257033 |

### 1/4 BEND (90°) EJ x Sp



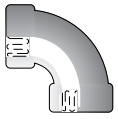
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L291 | 257291 |
| 2 | L292 | 257293 |
| 3 | L293 | 257034 |
| 4 | L294 | 257035 |
| 6 | L296 | 257036 |

### 1/4 BEND EJ x Ln



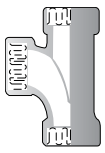
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L291 A | 257292 |

### FABRICATED 1/4 BEND (90°) EJ



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 8 | L188 | 257185 |
| 10 | L1810 | 257182 |
| 12 | L1812 | 257183 |

### SANITARY TEE EJ

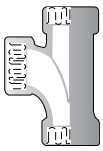


| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L201 | 257201 |
| 2 | L202 | 257206 |
| 3 | L203 | 257208 |
| 4 | L204 | 257211 |

IPEX components are dimensionally matched; do not install system of mixed brands without our expressed written consent.

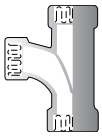
# PRODUCT SELECTION CHART

### FABRICATED SANITARY TEE EJ



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 6 | L206 | 257214 |
| 8 | L208 | 257217 |
| 10 | L2010 | 257202 |
| 12 | L2012 | 257205 |

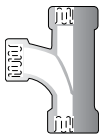
### REDUCING SANITARY TEE EJ



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 2 x 1-1/2 | L2021 | 257207 |
| 3 x 1-1/2 | L2031 | 257209 |
| 3 x 2 | L2032 | 257210 |
| 4 x 2 | L2042 | 257212 |
| *4 x 3 | L2043 | 257213 |

* Fabricated

### FABRICATED REDUCING SANITARY TEE EJ



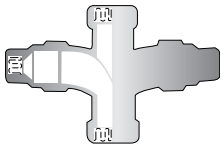
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 6 x 2 | L2062 | 257215 |
| 6 x 4 | L2064 | 257216 |
| 8 x 3 | L2083 | 257163 |
| 8 x 4 | L2084 | 257218 |
| 8 x 6 | L2086 | 257219 |
| 10 x 3 | L20103 | 257164 |
| 10 x 4 | L20104 | 257203 |
| 10 x 6 | L20106 | 257204 |
| 10 x 8 | L20108 | 257165 |
| 12 x 4 | L20124 | 257166 |
| 12 x 6 | L20126 | 257167 |
| 12 x 8 | L20128 | 257168 |
| 12 x 10 | L201210 | 257169 |

### DOUBLE SANITARY TEE EJ

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| * 1-1/2 | L351 | 257351 |
| 2 | L352 | 257352 |
| 3 | L353 | 257354 |
| 4 | L354 | 257357 |

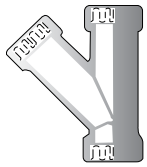
* Fabricated

### REDUCING DOUBLE SANITARY TEE EJ



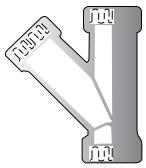
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 2 x 1-1/2 | L3521 | 257353 |
| 3 x 1-1/2 | L3531 | 257355 |
| 4 x 2 | L3542 | 257358 |
| 4 x 3 | L3543 | 257359 |

### 45° WYE EJ



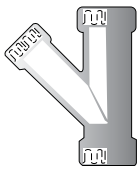
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L371 | 257371 |
| 2 | L372 | 257390 |
| 3 | L373 | 257394 |
| 4 | L374 | 257400 |
| 6 | L376 | 257406 |

### FABRICATED 45° WYE EJ



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 8 | L378 | 257414 |
| 10 | L3710 | 257372 |
| 12 | L3712 | 257381 |

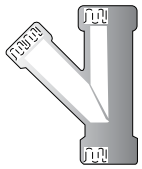
### REDUCING WYE EJ



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 2 x 1-1/2 | L3721 | 257391 |
| 3 x 1-1/2 | L3731 | 257395 |
| 3 x 2 | L3732 | 257396 |
| 4 x 1-1/2 | L3741 | 257425 |
| 4 x 2 | L3742 | 257401 |
| 4 x 3 | L3743 | 257402 |
| 6 x 1-1/2 | L3761 | 257426 |
| 6 x 2 | L3762 | 257407 |
| 6 x 3 | L3763 | 257408 |
| 6 x 4 | L3764 | 257409 |

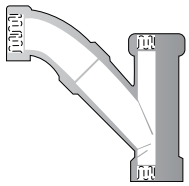
# PRODUCT SELECTION CHART

## FABRICATED REDUCING WYE EJ



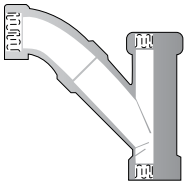
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 8 x 2 | L3782 | 257427 |
| 8 x 3 | L3783 | 257415 |
| 8 x 4 | L3784 | 257416 |
| 8 x 6 | L3786 | 257421 |
| 10 x 3 | L37103 | 257428 |
| 10 x 4 | L37104 | 257373 |
| 10 x 6 | L37106 | 257379 |
| 10 x 8 | L37108 | 257380 |
| 12 x 3 | L37123 | 257429 |
| 12 x 4 | L37124 | 257383 |
| 12 x 6 | L37126 | 257387 |
| 12 x 8 | L37128 | 257388 |
| 12 x 10 | L371210 | 257430 |

## COMBINATION WYE & 1/8 BEND (Long Turn Wye) EJ



| | | |
|---|---|---|
| 1-1/2 | L3715 | 257389 |
| 2 | L3725 | 257392 |
| 3 | L3735 | 257397 |
| 4 | L3745 | 257403 |
| 6 | L3765 | 257410 |

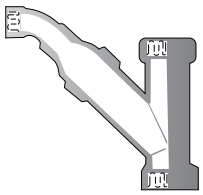
## FABRICATED COMBINATION WYE & 1/8 BEND EJ



| | | |
|---|---|---|
| 8 | L3785 | 257417 |
| 10 | L37105 | 257374 |
| 12 | L37125 | 257384 |

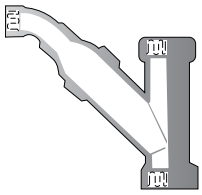
| Dimension inches | Significant Number | Product Code |
|---|---|---|

## REDUCING COMBINATION WYE & 1/8 BEND EJ



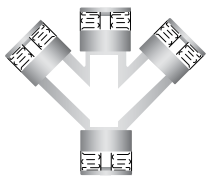
| | | |
|---|---|---|
| 2 x 1-1/2 | L37251 | 257393 |
| 3 x 1-1/2 | L37351 | 257398 |
| 3 x 2 | L37352 | 257399 |
| 4 x 1-1/2 | L37451 | 257431 |
| 4 x 2 | L37452 | 257404 |
| 4 x 3 | L37453 | 257405 |
| 6 x 1-1/2 | L37651 | 257432 |
| 6 x 2 | L37652 | 257411 |
| 6 x 3 | L37653 | 257412 |
| 6 x 4 | L37654 | 257413 |

## FABRICATED REDUCING COMBINATION WYE & 1/8 BEND EJ



| | | |
|---|---|---|
| 8 x 3 | L37853 | 257418 |
| 8 x 4 | L37854 | 257419 |
| 8 x 6 | L37856 | 257420 |
| 10 x 3 | L371053 | 257375 |
| 10 x 4 | L371054 | 257376 |
| 10 x 6 | L371056 | 257377 |
| 10 x 8 | L371058 | 257378 |
| 12 x 3 | L371253 | 257433 |
| 12 x 4 | L371254 | 257434 |
| 12 x 6 | L371256 | 257435 |
| 12 x 8 | L371258 | 257386 |
| 12 x 10 | L3712510 | 257385 |

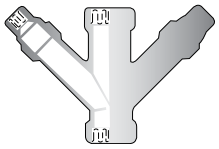
## FABRICATED DOUBLE 45° WYE EJ



| | | |
|---|---|---|
| 2 | L382 | 257445 |
| 3 | L383 | 257448 |
| 4 | L384 | 257452 |
| 6 | L386 | 257457 |
| 8 | L388 | 257460 |
| 10 | L3810 | 257442 |
| 12 | L3812 | 257462 |

# PRODUCT SELECTION CHART

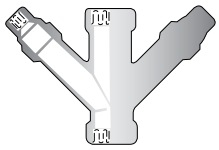
### REDUCING DOUBLE 45° WYE EJ



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| *2 x 1-1/2 | L3821 | 257446 |
| 6 x 4 | L3864 | 257458 |

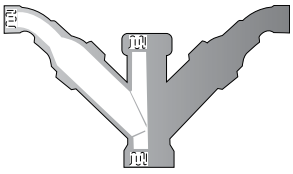
* Fabricated

### FABRICATED REDUCING DOUBLE 45° WYE EJ



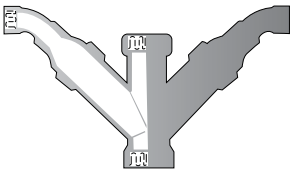
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 3 x 2 | L3832 | 257449 |
| 4 x 2 | L3842 | 257453 |
| 4 x 3 | L3843 | 257454 |
| 8 x 6 | L3886 | 257461 |
| 10 x 4 | L38104 | 257443 |
| 10 x 6 | L38106 | 257463 |
| 10 x 8 | L38108 | 257444 |
| 12 x 4 | L38124 | 257464 |
| 12 x 6 | L38126 | 257465 |
| 12 x 8 | L38128 | 257466 |
| 12 x 10 | L381210 | 257467 |

### FABRICATED DOUBLE COMBINATION WYE & 1/8 BEND EJ



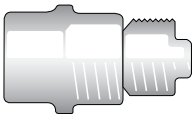
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 2 | L3825 | 257447 |
| 3 | L3835 | 257450 |
| 4 | L3845 | 257455 |
| 6 | L3865 | 257459 |

### FABRICATED REDUCING DOUBLE COMBINATION WYE & 1/8 BEND EJ



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 3 x 2 | L38352 | 257451 |
| 4 x 2 | L38452 | 257456 |

### CLEANOUT Sp



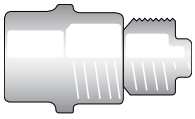
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L241 | 257232 |
| 2 | L242 | 257235 |
| 3 | L243 | 257238 |
| 4 | L244 | 257241 |
| *6 | L246 | 257244 |

*Fabricated

### CLEANOUT PLUG Male Thread

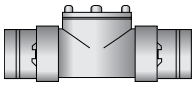
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L241A | 257233 |
| 2 | L242A | 257236 |
| 3 | L243A | 257239 |
| 4 | L244A | 257242 |

### CLEANOUT W/ BRASS PLUG Sp



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 3 | L2403 | 257247 |
| 4 | L2404 | 257248 |

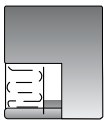
### FABRICATED CLEANOUT TEE EJ



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L901 | 257551 |
| 2 | L902 | 257552 |
| 3 | L903 | 257553 |
| 4 | L904 | 257554 |
| 6 | L906 | 257555 |

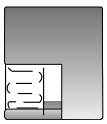
# PRODUCT SELECTION CHART

### MOLDED CAP EJ



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L639 | 257023 |
| 2 | L640 | 257022 |

### FABRICATED CAP EJ

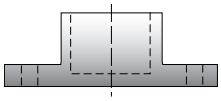


| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 3 | L643 | 257544 |
| 4 | L644 | 257545 |
| 6 | L646 | 257546 |
| 8 | L648 | 257547 |
| 10 | L6410 | 257542 |
| 12 | L6412 | 257548 |

### FLANGE – ASA 150 EJ

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L361 | 257361 |
| 2 | L362 | 257365 |
| 3 | L363 | 257366 |
| 4 | L364 | 257367 |
| 6 | L366 | 257368 |

### FABRICATED FLANGE – ASA 150 EJ

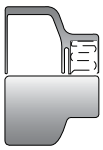


| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 8 | L368 | 257369 |
| 10 | L3610 | 257362 |
| 12 | L3612 | 257363 |

### FABRICATED BLIND FLANGE – ASA 150

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 8 | L3688 | 257370 |
| 10 | L361010 | 257360 |
| 12 | L361212 | 257364 |

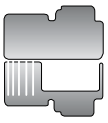
### REDUCING BUSHING Sp x EJ



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 2 x 1-1/2 | L3912 | 257472 |
| ** 3 x 1-1/2 | L3913 | 257473 |
| 3 x 2 | L3923 | 257476 |
| ** 4 x 1-1/2 | L3914 | 257474 |
| 4 x 2 | L3924 | 257477 |
| 4 x 3 | L3934 | 257479 |
| 6 x 1-1/2 | L3916 | 257475 |
| 6 x 3 | L3936 | 257480 |
| 6 x 4 | L3946 | 257483 |
| 8 x 3 | L3938 | 257481 |
| 8 x 4 | L3948 | 257484 |
| 8 x 6 | L3968 | 257486 |
| 10 x 4 | L39410 | 257482 |
| 10 x 6 | L39610 | 257485 |
| 10 x 8 | L39810 | 257487 |
| 12 x 4 | L39412 | 257489 |
| 12 x 6 | L39612 | 257490 |
| 12 x 8 | L39812 | 257488 |
| 12 x 10 | L391012 | 257471 |

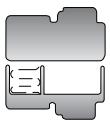
** Discontinued when stock is depleted

### ADAPTER FEMALE Thread x LN



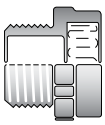
| | | |
|---|---|---|
| 1-1/2 | L101 | 257101 |

### ADAPTER EJ x LN



| | | |
|---|---|---|
| 1-1/2 | L111 | 257111 |

### MALE ADAPTER EJ x Male Thread



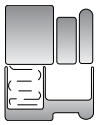
| | | |
|---|---|---|
| 1-1/2 | L141 | 257121 |
| 2 | L142 | 257122 |

# PRODUCT SELECTION CHART

**FEMALE ADAPTER** EJ x Female Thread

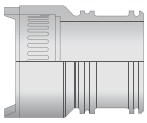
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L151 | 257131 |
| 2 | L152 | 257132 |
| 3 | L153 | 257733 |
| 4 | L154 | 257734 |

**GLASS ADADPTER** EJ x Bead



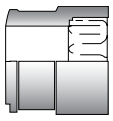
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L451 | 257501 |
| 2 | L452 | 257502 |
| 3 | L453 | 257503 |
| 4 | L454 | 257504 |

**Duriron Adapter EJ X SPIGOT**



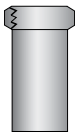
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L461 | 257511 |

**CAST IRON ADAPTER** EJ x Sp



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L460 | 257030 |
| 2 | L462 | 257512 |
| 3 | L463 | 257513 |
| 4 | L464 | 257514 |

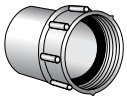
**3" or 12" FRPP TAIL PIECE ADAPTER**



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 x 3 | W303 | 257133 |
| 1-1/2 x 12 | W3012 | 257134 |

C/W SPIG X BRASS COMPRESSION RING

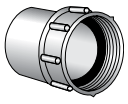
**1-1/2" x 12" FRPP SWIVEL SINK STRAINER ADAPTER**
Spg x Female Thread



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 x 12 | W5512 | 257090 |

C/W VITON® GASKET

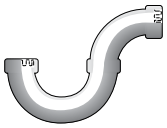
**FRPP SWIVEL SINK STRAINER ADAPTER** Spg x Female Thread



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W551 | 257093 |
| *1-1/2 | W551G | 156450 |

C/W VITON® GASKET
*Pregrooved for Labline. Nut and Olive are extra.

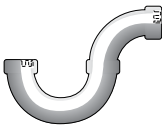
**P TRAP – 2 PIECE EJ**



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L1021 | 257104 |
| 2 | L1022 | 257105 |

Shipped as 2 pieces

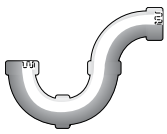
**FABRICATED P TRAP – 2 PIECE EJ**



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 8 | LT18 | 257566 |
| 10 | LT110 | 257562 |

Shipped as 2 pieces

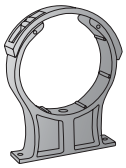
**P TRAP – 3 PIECE EJ**



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 3 | LT103 | 257063 |
| 4 | LT104 | 257068 |
| 6 | LT106 | 257069 |

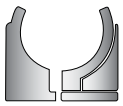
Shipped as 3 pieces

**COBRA PIPE CLIP**



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | 434310 | 437345 |
| 2 | 434311 | 437346 |
| 2-1/2 | 434312 | 437347 |
| 3 | 434313 | 437348 |
| 4 | 434314 | 437349 |
| 6 | 434317 | 437332 |

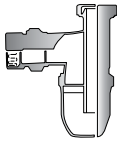
**PIPE CLIP**



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W251 | 156251 |
| 2 | W252 | 156252 |

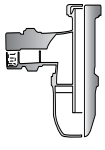
Obsolete when stock is depleted

**UNIVERSAL TRAP** – SOLID BASE, P Type EJ x Female Thread



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L501 | 257521 |
| 1-1/2 | L5011 | 257522 |

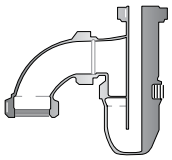
**UNIVERSAL TRAP** – CLEAR BASE, P Type EJ x Female Thread



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L511 | 257531 |
| 1-1/2 | L5111 | 257532 |

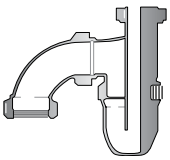
# PRODUCT SELECTION CHART

### UNIVERSAL TRAP – SOLID BASE, S Type EJ



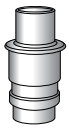
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L5015 | 257523 |

### UNIVERSAL TRAP – CLEAR BASE, S Type EJ



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L5115 | 257533 |

### FABRICATED EXPANSION JOINT



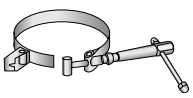
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 3 | L803 | 257107 |
| 4 | L804 | 257108 |
| 6 | L806 | 257109 |

### ENFUSION CONTROL UNIT – Complete Kit

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| – | EHHL2600 | 257279 |

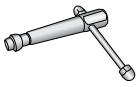
Kit includes hub clamps, 1 1/2" thru 6", connector cable & 5' link cable.

### ENFUSION HUB CLAMP – New T Bar Handle & Bushing



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | L26101 | 257254 |
| 2 | L26102 | 257256 |
| 3 | L26103 | 257257 |
| 4 | L26104 | 257258 |
| 6 | L26106 | 257259 |
| 8 | L26108 | 257260 |
| 10 | L261010 | 257255 |
| 12 | L261212 | 257262 |

### STAINLESS STEEL T HANDLE FOR HUB CLAMPS



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 to 12 | L2610T | 257125 |

### OIL IMPREGNATED BRASS BUSHINGS FOR CLAMPS

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 to 12 | L2610B | 257094 |

### CONNECTOR CABLE – Current Style Machine

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| – | L26801 | 257278 |

### CONNECTOR CABLE – Old Style Machine

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| – | L26201 | 257263 |

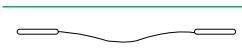
### CONNECTOR CABLE – EZ Connector Cable

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| – | L26901 | 257294 |

### LINK CABLE c/w EZ CONNECTOR

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 2 ft. EZ | L26260 | 257268 |
| 5 ft. EZ | L26261 | 257269 |
| 10 ft. EZ | L26262 | 257270 |
| 15 ft. EZ | L26263 | 257271 |

### LINK CABLE c/w LINK LEAD



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 5 ft. | L26251 | 257265 |
| 10 ft. | L26252 | 257266 |
| 15 ft. | L26253 | 257267 |

### FUSES

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 16 AMP | P52690 | 257801 |
| 100 MILAMP | L26501 | 257276 |
| 100 MILAMP | L26502 | 257277 |

# LABLINE® MECHANICAL JOINT ACID WASTE SYSTEMS

## 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.

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

## ADVANTAGES

**30 SECOND JOINTING** – save on installation time

**PROVEN RELIABILITY** for over 30 years

**LABLINE IS MANUFACTURED FROM POLYPROPYLENE** which has an operating temperature range from -10°F to 212°F.* This allows systems to be flushed with boiling water

**ALL PLASTIC CONSTRUCTION** – no galvanic action, electrolysis or corrosion in the joint

**SIMPLE, INEXPENSIVE, NON-TEMPERAMENTAL TOOLS**

**EASY TO INSTALL**, even in difficult areas

**MASTERED BY PLUMBERS IN MINUTES.**
No pre-heating required to install olive

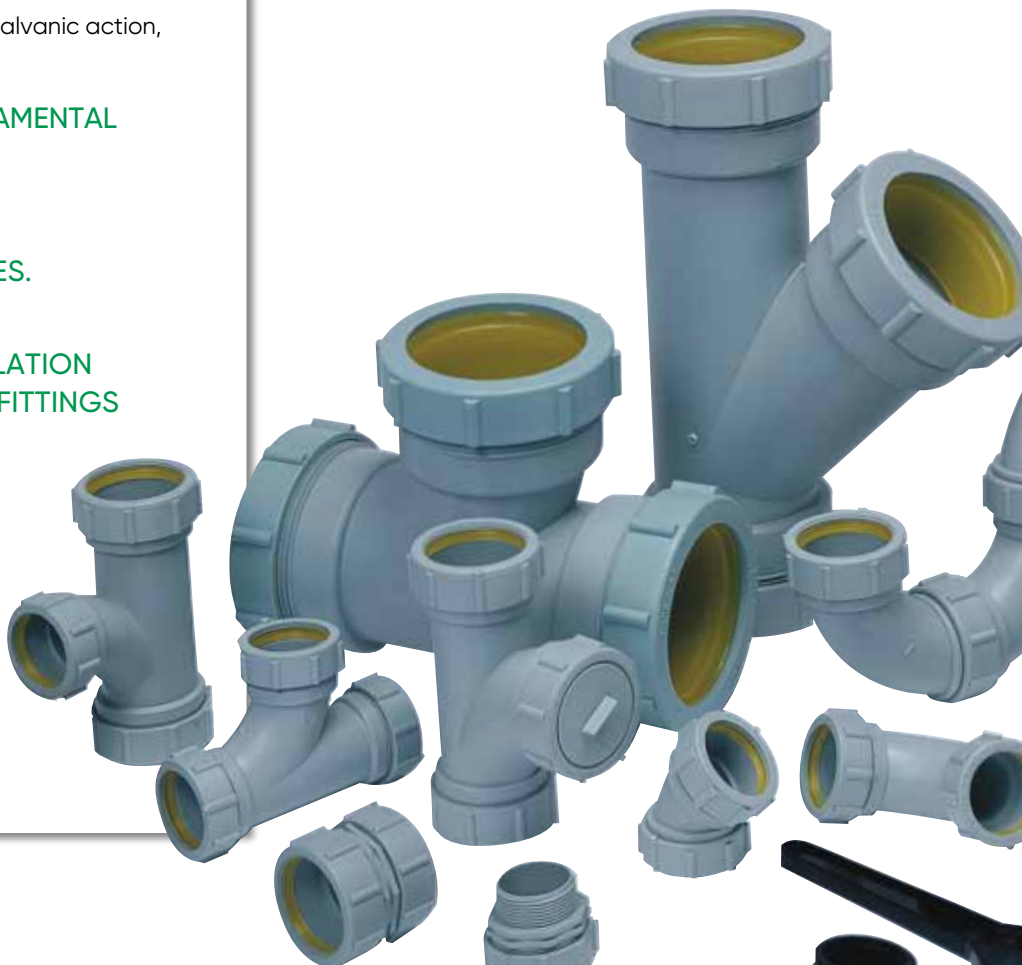
**SYSTEM CHANGES DURING INSTALLATION CAN BE DONE WITHOUT SPOILING FITTINGS**

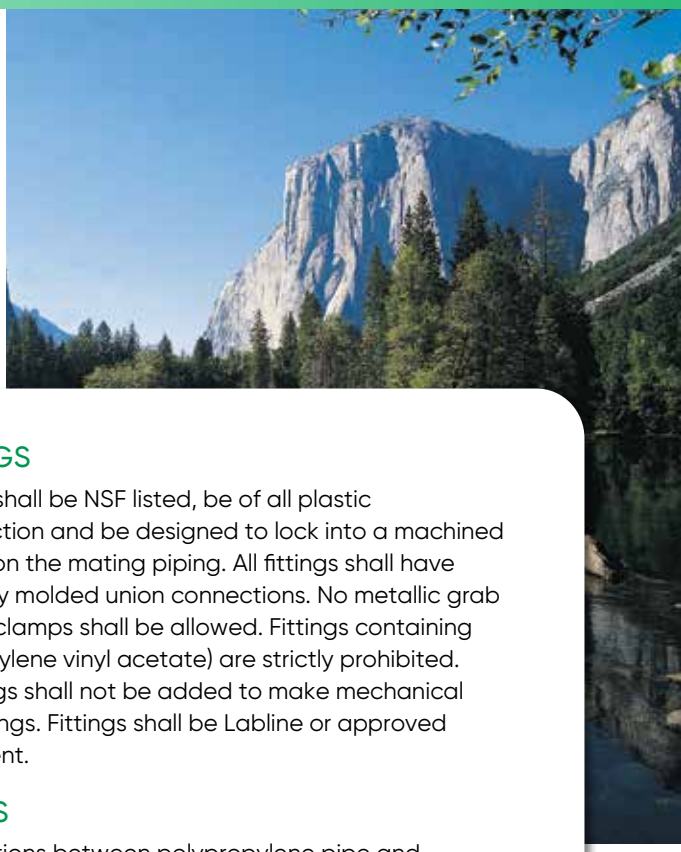
**CAN BE DISASSEMBLED AND RE-USED**

**IDEAL FOR MODULAR SYSTEMS**

**IDEAL FOR REMODELING**

**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

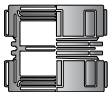
Connections between polypropylene pipe and matched fittings shall be made using the Labline Joint.

## 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

### COUPLING



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

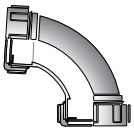
### 1/8 BEND (45°)

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W191 | 156191 |
| 2 | W192 | 156192 |
| 3 | W193 | 156193 |
| 4 | W194 | 156194 |

### LOOSE NUT 1/8 BEND (45°) MJ x LN

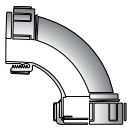
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W211 | 156216 |
| 2 | W212 | 156217 |
| 3 | W213 | 156218 |
| 4 | W214 | 156219 |

### 1/4 BEND (90°)



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W181 | 156181 |
| 2 | W182 | 156182 |
| 3 | W183 | 156183 |
| 4 | W184 | 156184 |

### LOOSE NUT 1/4 BEND MJ x LN

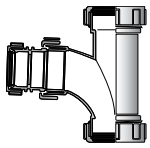


| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W291 | 156291 |
| 2 | W292 | 156292 |
| 3 | W293 | 156293 |
| 4 | W294 | 156294 |

### SANITARY TEE

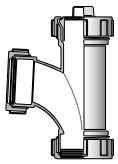
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W201 | 156201 |
| 2 | W202 | 156203 |
| 3 | W203 | 156206 |
| 4 | W204 | 156210 |

### REDUCING SANITARY TEE



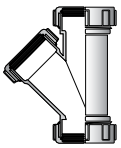
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 2 x 1-1/2 | W2021 | 156204 |
| 3 x 1-1/2 | W2031 | 156207 |
| 3 x 2 | W2032 | 156208 |
| 4 x 1-1/2 | W2041 | 156211 |
| 4 x 2 | W2042 | 156212 |
| 4 x 3 | W2043 | 156213 |

### CLEANOUT TEE



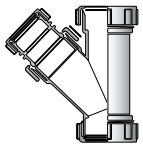
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W2015 | 156202 |
| 2 | W2025 | 156205 |
| 3 | W2035 | 156209 |
| 4 | W2045 | 156214 |

### 45° WYE



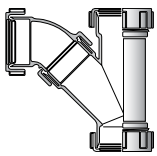
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W371 | 156361 |
| 2 | W372 | 156363 |
| 3 | W373 | 156367 |
| 4 | W374 | 156373 |

### REDUCING 45° WYE



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 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 |

### COMBINATION WYE & 1/8 BEND

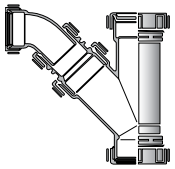


| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W3715 | 156362 |
| 2 | W3725 | 156365 |
| 3 | W3735 | 156370 |
| 4 | W3745 | 156377 |

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.

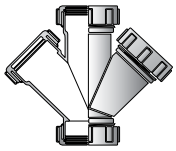
# PRODUCT SELECTION CHART

### REDUCING COMBINATION WYE & 1/8 BEND



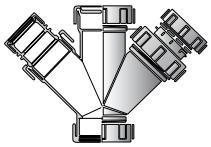
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 2 x 1-1/2 | W37251 | 156366 |
| 3 x 1-1/2 | W37351 | 156371 |
| 3 x 2 | W37352 | 156372 |
| 4 x 1-1/2 | W37451 | 156380 |
| 4 x 2 | W37452 | 156378 |
| 4 x 3 | W37453 | 156379 |

### DOUBLE WYE



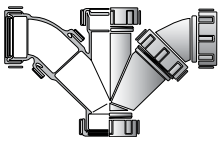
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W381 | 156381 |
| 2 | W382 | 156383 |
| 3 | W383 | 156387 |
| 4 | W384 | 156392 |

### REDUCING DOUBLE WYE



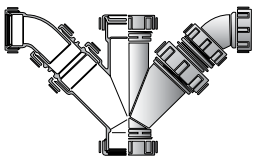
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 2 x 1-1/2 | W3821 | 156384 |
| 3 x 1-1/2 | W3831 | 156388 |
| 3 x 2 | W3832 | 156389 |
| 4 x 1-1/2 | W3841 | 156405 |
| 4 x 2 | W3842 | 156393 |
| 4 x 3 | W3843 | 156394 |

### DOUBLE WYE & 1/8 BEND



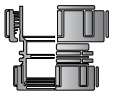
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W3815 | 156382 |
| 2 | W3825 | 156385 |
| 3 | W3835 | 156390 |
| 4 | W3845 | 156395 |

### REDUCING DOUBLE WYE & 1/8 BEND



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 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 |

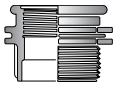
### REDUCING COUPLING LN x MJ



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 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 |

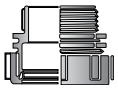
* Loose nut not furnished

### THREADED ADAPTER Male Thread x Female Thread



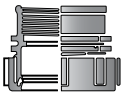
| | | |
|---|---|---|
| 1-1/2 x 1-1/4 | W121 | 156121 |
| 1-1/2 x 1-1/2 | W131 | 156131 |

### MALE ADAPTER MJ x Male Thread



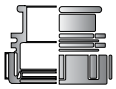
| | | |
|---|---|---|
| 1-1/2 | W141T | 156141 |
| 2 | W142 | 156142 |
| 3 | W143 | 156143 |
| 4 | W144 | 156144 |

### FEMALE ADAPTER MJ x Female Thread



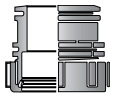
| | | |
|---|---|---|
| 1-1/2 | W151 | 156151 |
| 2 | W152 | 156152 |

### GLASS ADAPTER MJ x Bead



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

### DURIRON ADAPTER MJ x Spigot

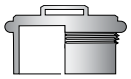


| | | |
|---|---|---|
| 1-1/2 | W461 | 156461 |
| 2 | W462 | 156462 |
| 3 | W463 | 156463 |
| 4 | W464 | 156464 |

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.

# PRODUCT SELECTION CHART

### CLEANOUT PLUG

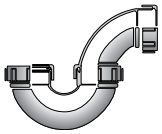


| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W241 | 156241 |
| 2 | W242 | 156242 |
| 3 | W243 | 156243 |
| 4 | W244 | 156244 |

### VENT LOOP U BEND

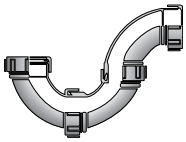
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W1011 | 156101 |
| 2 | W1012 | 156102 |

### P TRAP – 2 PIECE



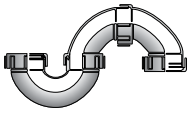
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W1021 | 156103 |
| 2 | W1022 | 156104 |

### P TRAP – 3 PIECE LONG RADIUS



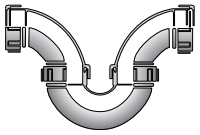
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | WT11 | 156711 |
| 2 | WT12 | 156712 |
| 3 | WT13 | 156713 |
| 4 | WT14 | 156714 |

### S TRAP – 3 PIECE



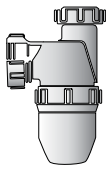
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W1031 | 156105 |
| 2 | W1032 | 156106 |

### RUNNING TRAP – 3 PIECE



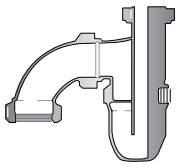
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W1041 | 156107 |
| 2 | W1042 | 156108 |

### UNIVERSAL TRAP FEMALE Thread x MJ



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W501 | 156501 |
| 1-1/2 Transparent Base | W511 | 156511 |
| – PP Base Only | W5112 | 156512 |
| – Clear Base Only | W5113 | 156513 |
| – O-ring Gasket Only | W5114 | 156514 |
| – Top Assembly For W501 & W511 | W5116 | 156516 |

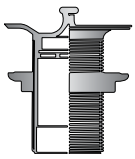
### UNIVERSAL TRAP, S-TYPE FEMALE Thread x MJ



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W5015 | 156502 |
| *1-1/2 | W5115 | 156515 |

* Transparent Base

### SINK OUTLET w/ PLUG



| | | |
|---|---|---|
| 1-1/2 – 3-3/8 | W301B (Black) | 156303 |
| 1-1/2 – 3-3/8 | W301W (White) | 156304 |
| 1-1/2 – 2-7/8 | W311B (Black) | 156311 |
| 1-1/2 – 2-7/8 | W311W (White) | 156312 |
| – | W3012B | 156302 |

(Lock Nut For W301B)
Specify Black or White

### SINK OUTLET PLUG

| | |
|---|---|
| W3011B (Black) | 156301 |
| W3011W (White) | 156305 |

### SINK OVERFLOW

| | | |
|---|---|---|
| 1-1/2 | W321B (Black) | 156321 |
| 1-1/2 | W321W (White) | 156322 |

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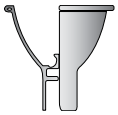
IPEX components are dimensionally matched; do not install system of mixed brands without our expressed written consent.

# PRODUCT SELECTION CHART

## CUP SINK ROUND

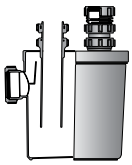


| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 6 x 4 Deep | W401B | 156403 |
| 4 x 4 Deep | W402 | 156404 |
| – | W4011B (Plug for W401B) | 156409 |

## CUP SINK OVAL

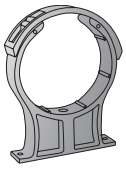
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 6 x 3 | W497 | 156491 |
| 9 x 3 | W498 | 156493 |

## DILUTION TRAP



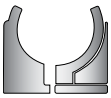
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W601 | 156601 |

## COBRA PIPE CLIP



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | 434310 | 437345 |
| 2 | 434311 | 437346 |
| 2-1/2 | 434312 | 437347 |
| 3 | 434313 | 437348 |
| 4 | 434314 | 437349 |
| 6 | 434317 | 437332 |

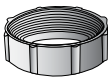
## PIPE CLIP



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W251 | 156251 |
| 2 | W252 | 156252 |

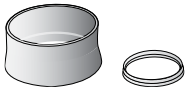
Obsolete when stock is depleted

## UNION NUT



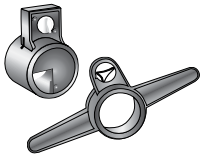
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W231 | 156231 |
| 2 | W232 | 156232 |
| 3 | W233 | 156233 |
| 4 | W234 | 156234 |

## NO HEAT ELASTOLIVE YELLOW



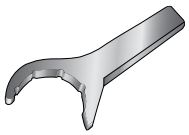
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W221NH | 156222 |
| 2 | W222NH | 156113 |
| 3 | W223NH | 156114 |
| 4 | W224NH | 156115 |

## GROOVING TOOL



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

## SPANNER

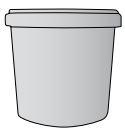


| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W2611 | 156264 |
| 2 | W2622 | 156266 |
| 3 | W2633 | 156268 |
| 4 | W2644 | 156270 |

## GROOVING TOOL & SPANNER COMBINATION SET

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

## MECHANICAL JOINT LUBRICANT



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1kg | – | 156715 |

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IPEX components are dimensionally matched; do not install system of mixed brands without our expressed written consent.

# PLENUMLINE™ MECHANICAL JOINT ACID WASTE SYSTEMS

## PLENUMLINE™

Plenumline mechanical joint acid waste systems easily displace costly and difficult-to-install glass and metal systems. With Plenumline, time-consuming methods associated with conventional heavy and brittle systems are replaced by a time proven mechanical joint that takes only 30 seconds to complete. Once the Plenumline nut is locked in place, the end-user is assured of many years of trouble-free service. In addition, mechanical joint systems can easily be dismantled and re-used, making Plenumline ideal for modular designs and future expansions.

IPEX Plenumline is a robust acid waste system, made from flame-retardant PVDF thermoplastic, designed for challenging conditions, including highly restrictive return air plenum applications and high-temperature corrosive chemical waste situations.

## ADVANTAGES

**IDEALLY SUITED TO PLENUM APPLICATIONS**

**30-SECOND JOINTS SHORTEN INSTALLATION TIME**

**MANUFACTURED FROM FLAME RETARDANT PVDF**, which has an operating temperature range from -40°F (-40°C) to 285°F (140°C). With this high upper limit, Plenumline systems can be flushed with boiling water.

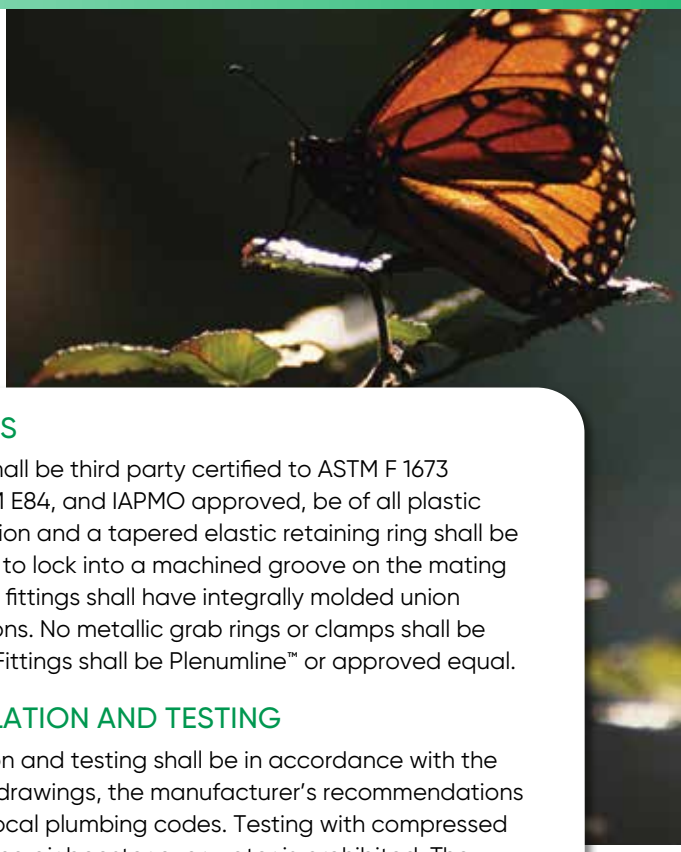
**ALL-PLASTIC CONSTRUCTION ELIMINATES GALVANIC ACTION, ELECTROLYSIS AND CORROSION IN THE JOINT.**

**EASY TO INSTALL**, even in tight areas, by using simple, inexpensive tools. Mechanical joints are mastered by plumbers in minutes; no pre-heating is required to install the new blue elastolive.

**MODULARIZED DESIGN** means Plenumline components can be disassembled and re-used. In addition, system modifications during installation can be performed without damaging fittings.

**HIGH-QUALITY PIPE AND FITTINGS** are matched to simplify installation and extend long-term reliability.

**FLAME RETARDANT PVDF** material exhibits a flame spread index of 5 and smoke development index of 35 as tested in accordance with ASTM E84 and UL723.



# SHORT FORM SPECIFICATIONS

## GENERAL

Acid waste drain and vent system, as shown on drawings, shall be IAPMO listed, Schedule 40, FR-PVDF as manufactured by IPEX to include pipe supplied in 10 ft. lengths 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 and fittings shall be made from Kynar 740-02, flame retardant PVDF conforming to ASTM F 1673, with a limiting oxygen index (LOI) of 60, Resin must have a vertical burn rating of 94 V-0. Kynar 740-02 resin based on testing to ASTM E84 (UL 723) must have surface burning characteristics greater than or equal to a flame spread 5 and smoke development 35.

## FITTINGS

Fittings shall be third party certified to ASTM F 1673 and ASTM E84, and IAPMO approved, be of all plastic construction and a tapered elastic retaining ring shall 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 shall be Plenumline™ or approved equal.

## 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 including air booster over water 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 code requirements.

# PRODUCT SELECTION CHART

### PIPE

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W001P | 147045 |
| 2 | W002P | 147046 |
| 3 | W003P | 147047 |
| 4 | W004P | 147048 |

### COUPLING

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W161P | 157006 |
| 2 | W162P | 157007 |
| 3 | W163P | 157008 |
| 4 | W164P | 157009 |

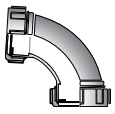
### 1/8 BEND

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W191P | 157014 |
| 2 | W192P | 157015 |
| 3 | W193P | 157016 |
| 4 | W194P | 157017 |

### LOOSE NUT 1/8 BEND

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W211P | 157024 |
| 2 | W212P | 157025 |
| 3 | W213P | 157026 |
| 4 | W214P | 157027 |

### 1/4 BEND



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W181P | 157010 |
| 2 | W182P | 157011 |
| 3 | W183P | 157012 |
| 4 | W184P | 157013 |

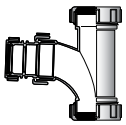
### LOOSE NUT 1/4 BEND LN x MJ

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W291P | 157032 |
| 2 | W292P | 157033 |
| 3 | W293P | 157034 |
| 4 | W294P | 157035 |

### SANITARY TEE

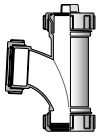
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W201P | 157018 |
| 2 | W202P | 157019 |
| 3 | W203P | 157020 |
| 4 | W204P | 157021 |

### REDUCING SANITARY TEE



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 2 x 1-1/2 | W2021P | 157022 |
| 3 x 1/12 | W2031P | 157065 |
| 3 x 2 | W2032P | 157023 |
| 4 x 2 | W2042P | 157067 |
| 4 x 3 | W2043P | 157068 |

### CLEANOUT TEE



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W2015P | 157061 |
| 2 | W2025P | 157062 |
| 3 | W2035P | 157063 |
| 4 | W2045P | 157064 |

### 45° WYE

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W371P | 157036 |
| 2 | W372P | 157037 |
| 3 | W373P | 157038 |
| 4 | W374P | 157039 |

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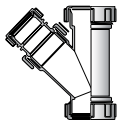
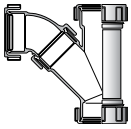
# PRODUCT SELECTION CHART

### REDUCING 45° WYE



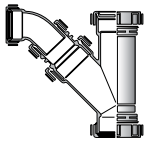
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 2 x 1-1/2 | W3721P | 157069 |
| 3 x 1/12 | W3731P | 157073 |
| 3 x 2 | W3732P | 157070 |
| 4 x 2 | W3742P | 157071 |
| 4 x 3 | W3743P | 157072 |

### COMBINATION WYE & 1/8 BEND



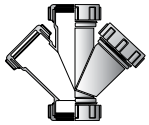
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W3715P | 157074 |
| 2 | W3725P | 157075 |
| 3 | W3735P | 157076 |
| 4 | W3745P | 157077 |

### REDUCING COMBINATION WYE & 1/8 BEND



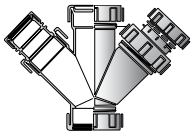
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 2 x 1-1/2 | W37251P | 157078 |
| 3 x 1/12 | W37351P | 157079 |
| 3 x 2 | W37352P | 157080 |
| 4 x 2 | W37452P | 157081 |
| 4 x 3 | W37453P | 157082 |

### DOUBLE 45° WYE (Fabricated)



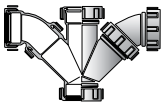
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W381P | 157049 |
| 2 | W382P | 157050 |
| 3 | W383P | 157051 |
| 4 | W384P | 157052 |

### REDUCING DOUBLE WYE



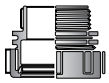
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 2 x 1-1/2 | W3821P | 157096 |
| 3 x 1/12 | W3831P | 157104 |
| 3 x 2 | W3832P | 157097 |
| 4 x 1-1/2 | W38841P | 157091 |
| 4 x 2 | W3842P | 157098 |
| 4 x 3 | W3843P | 157099 |

### DOUBLE WYE & 1/8 BEND



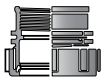
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W3815P | 157100 |
| 2 | W3825P | 157101 |
| 3 | W3835P | 157102 |
| 4 | W3845P | 157103 |

### MALE ADAPTER MJ x Male Thread



| | | |
|---|---|---|
| 1-1/2 | W141P | 157002 |
| 2 | W142P | 157003 |

### FEMALE ADAPTER MJ x Female Thread



| | | |
|---|---|---|
| 1-1/2 | W151P | 157004 |
| 2 | W152P | 157005 |

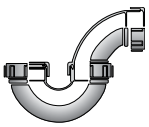
### CLEANOUT PLUG

| | | |
|---|---|---|
| 1-1/2 | W241P | 157028 |
| 2 | W242P | 157029 |
| 3 | W243P | 157030 |
| 4 | W244P | 157031 |

### U BEND for P-TRAP

| | | |
|---|---|---|
| 1-1/2 | W1011P | 157000 |
| 2 | W1012P | 157001 |

### P-TRAP 2 PIECE



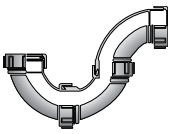
| | | |
|---|---|---|
| 1-1/2 | W1021P | 157083 |
| 2 | W1022P | 157084 |

### MECHANICAL JOINT LUBRICANT

| | | |
|---|---|---|
| 1kg | – | 156715 |

# PRODUCT SELECTION CHART

### P-TRAP LONG RADIUS 3 PIECE



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | WT11P | 157085 |
| 2 | WT12P | 157086 |
| 3 | WT13P | 157087 |
| 4 | WT14P | 157088 |

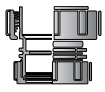
### RUNNING TRAP

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W1041P | 157089 |
| 2 | W1042P | 157090 |

### FABRICATED CAP

| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W641P | 157053 |
| 2 | W642P | 157054 |
| 3 | W643P | 157055 |
| 4 | W644P | 157056 |

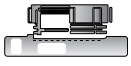
### LOOSE NUT – REDUCING COUPLING LN x MJ



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 2 x 1-1/2 | W3921P | 157040 |
| 3 x 1/12 | W3931P | 157041 |
| 3 x 2 | W3932P | 157042 |
| 4 x 2 | W3942P | 157043 |
| 4 x 3 | W3943P | 157044 |

Note: Loose Nut and Olive not furnished.

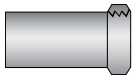
### FLANGES (Fabricated)



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W361P | 157057 |
| 2 | W362P | 157058 |
| *3 | W363P | 157059 |
| 4 | W364P | 157060 |

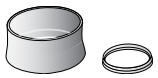
* While quantities last, Obsolete when stock depleted

### TAIL PIECE ADAPTER Sp x Brass Compression Ring



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 x 12 | W3012P | 157105 |

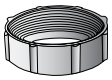
### NO HEAT ELASTOLIVE BLUE



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W221NHP | 157066 |
| 2 | W222NHP | 157106 |
| 3 | W223NHP | 157107 |
| 4 | W224NHP | 157108 |

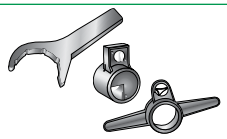
Note: Blue olive nut is not interchangeable with the FRPP Yellow olive nut.

### UNION NUT



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W231P | 157109 |
| 2 | W232P | 157110 |
| 3 | W233P | 157111 |
| 4 | W234P | 157112 |

### GROOVING TOOL & SPANNER COMBINATION SET

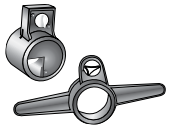


| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | W261CS | 156263 |
| 2 | W262CS | 156265 |
| 3 | W263CS | 156267 |
| 4 | W264CS | 156269 |

### SPANNER

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

### GROOVING TOOL



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

All 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.

# FLOWAY™ POLYPROPYLENE FLOOR DRAINS

## POLYPROPYLENE FLOOR DRAINS

For efficiently managing chemical spills, our Floway™ adjustable and non-adjustable polypropylene drain ports are specially designed to feed into IPEX acid waste systems.

### ADVANTAGES

AVAILABLE IN SIZES FROM 2" TO 6"

FLOWAY™ DRAINS CAN BE OPTIONALLY CONFIGURED WITH ADJUSTABLE STRAINERS, AND PLAIN END OR THREADED OUTLETS.

ADJUSTABLE FEATURE ALLOWS EASY LEVELING AFTER POURING OF FINISHED FLOORS.

AVAILABLE WITH POLYPROPELENE (PP) OR 316 STAINLESS STEEL (SS) STRAINERS

THE 6" PP, 6.75" SS, AND 9" SS STRAINERS ARE CLASS A LIGHT-DUTY RATED FOR PEDESTRIAN USE. THE 8.5" PP STRAINER SUPPORTS A MAXIMUM LOAD OF 500 LBS.

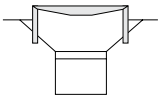
Non-Adjustable Polypropolyene or Stainless Steel Strainer Models

Adjustable Polypropolyene or Stainless Steel Strainer Models

# FLOWAY™ POLYPROPYLENE FLOOR DRAINS

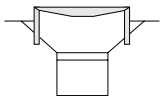
## PRODUCT SELECTION CHART

### F1000 SERIES ADJUSTABLE FLOOR DRAIN



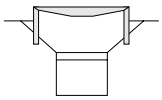
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| Enfield 2 | F1201L | 237001 |
| Labline 2 | F1201W | 237075 |
| 3 | F1301P | 237011 |
| 4 | F1401P | 237021 |
| 6 | F1601P | 237031 |

### F4000 SERIES NON-ADJUSTABLE FLOOR DRAIN



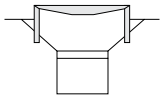
| Dimension inches | Significant Number | Product Code |
|---|---|---|
| Enfield 2 | F4201L | 237041 |
| Labline 2 | F4201W | 237079 |
| 3 | F4301P | 237051 |
| 4 | F4401P | 237061 |
| 6 | F4601P | 237071 |

### F1000 SERIES ADJUSTABLE FLOOR DRAIN WITH STAINLESS STEEL STRAINER



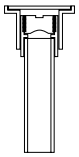
| Dimension inches | Significant Number |
|---|---|
| Enfield 2 | 237820 |
| 3 | 237821 |
| 4 | 237822 |
| 6 | 237823 |

### F4000 SERIES NON-ADJUSTABLE FLOOR DRAIN WITH STAINLESS STEEL STRAINER



| Dimension inches | Significant Number |
|---|---|
| Enfield 2 | 237824 |
| 3 | 237825 |
| 4 | 237826 |
| 6 | 237827 |

### FLOOR CLEANOUT WITH NICKEL BRONZE (adjustable Cleanout) SP



| Dimension inches | Significant Number | Product Code |
|---|---|---|
| 2 | F2COB | 237173 |
| 3 | F3COB | 237174 |
| 4 | F4COB | 237175 |
| *6 | F6COB | 237177 |

* 4" cleanout with 6" pipe outlet

### GAS TIGHT PLUG

| | | |
|---|---|---|
| 3 | P20036 | 237815 |
| 4 | P20037 | 237816 |
| 6 | P20038 | 237817 |

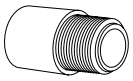
### BLANK COVER FOR F SERIES DRAINS

| | | |
|---|---|---|
| F1000 Series | P20034 | 237814 |
| F4000 Series | P20033 | 237813 |

### GRID STRAINERS FOR F SERIES DRAINS

| | | |
|---|---|---|
| F1000 Series | P20013 | 237807 |
| F4000 Series | P20011 | 237806 |

### MALE IRON PIPE THREADED OUTLET



| | | |
|---|---|---|
| 3 | – | 257091 |
| 4 | – | 257092 |

### FPT TAP FOR PRIMING DRAIN ASSEMBLY

| | | |
|---|---|---|
| 3/8 | – | 237430 |
| 1/2 | – | 237429 |

### TRAP PRIMER 12" LENGTH W/FPT

| | | |
|---|---|---|
| 2 | - | 257126 |
| 3 | - | 257127 |
| 4 | - | 257128 |

IPEX components are dimensionally matched; do not install system of mixed brands without our expressed written consent.

# HDPE & POLYPROPYLENE NEUTRALIZATION TANKS

## NEUTRATANK®

IPEX offers a complete range of Neutratank® neutralization tanks as well as dilution, sampling and pH tanks for managing concentrations and pH levels in acid waste systems.

Neutratanks are made of high-density polyethylene or polypropylene material with a one-piece rotationally molded, seamless construction, a bolt-down flanged top and combination access cover. Neutratanks are available in sizes from 5 gallons to 2,000 gallons to suit most potential design conditions.

Neutratanks are used for limestone neutralization of chemical waste prior to discharge into the sewer.

## ADVANTAGES

CYLINDRICAL AND RECTANGULAR LIMESTONE NEUTRALIZATION TANKS FROM 5 TO 2000 GALLONS ARE AVAILABLE.

A VARIETY OF LIDS, INLETS, OUTLETS AND ACCESSORIES ARE OFFERED.

DILUTION TANKS ARE AVAILABLE IN 1, 2 AND 5-GALLON SIZES.

## SHORT FORM SPECIFICATIONS

Contractor shall furnish and install HDPE or Polypropylene Neutralization Tank. Tank shall be rotationally molded, seamless construction with flanged top and welded or bolt down cover, as supplied by IPEX. Tank shall be Neutratank, having 100-gallon capacity complete with 3" inlet and outlet, and 1-1/2" vent connection. Tank to be 32" diameter x 42" high. Tank shall be installed in accordance with manufacturer's recommendations.

Contractor shall furnish and fill the tank prior to installation with limestone chips, as supplied by IPEX, to a level just below the tank outlet. Water should be added to the tank prior to placement of the limestone chips.

# HDPE & POLYPROPYLENE NEUTRALIZATION TANKS

## PRODUCT SELECTION CHART

**HDPE STANDARD DOMED** Plain End

| Gallons | Inlet/Outlet inches | Significant Number | Product Code |
|---|---|---|---|
| 5 | 1-1/2 | T0005A | 237211 |
| 5 | 2 | T0005B | 237212 |
| 15 | 2 | T0015B | 237222 |
| 15 | 3 | T0015C | 237223 |
| 30 | 2 | T0030B | 237232 |
| 30 | 3 | T0030C | 237233 |
| 30 | 4 | T0030D | 237234 |
| 55 | 3 | T0055C | 237243 |
| 55 | 4 | T0055D | 237244 |
| 100 | 3 | T0100C | 237252 |
| 100 | 4 | T0100D | 237253 |
| 150 | 3 | T0150C | 237281 |
| 150 | 4 | T0150D | 237282 |
| 200 | 3 | T0200C | 237411 |
| 200 | 4 | T0200D | 237412 |
| 275 | 3 | T0275C | 237130 |
| 275 | 4 | T0275D | 237124 |
| 360 | 3 | T0360C | 237125 |
| 360 | 4 | T0360D | 237126 |
| 360 | 6 | T0360E | 237497 |
| 500 | 3 | T0500C | 237135 |
| 500 | 4 | T0500D | 237136 |
| 500 | 6 | T0500E | 237498 |

**HDPE HD BOLTED FLAT** Plain End

| Gallons | Inlet/Outlet inches | Significant Number | Product Code |
|---|---|---|---|
| 5 | 1-1/2 | HDF005A | 237183 |
| 5 | 2 | HDF005B | 237184 |
| 15 | 2 | HDF015A | 237185 |
| 15 | 3 | HDF015B | 237186 |
| 30 | 2 | HDF030A | 237187 |
| 30 | 3 | HDF030B | 237188 |
| 30 | 4 | HDF030C | 237189 |
| 55 | 3 | HDF055A | 237190 |
| 55 | 4 | HDF055B | 237191 |
| 100 | 3 | HDF100A | 237192 |
| 100 | 4 | HDF100B | 237193 |
| 150 | 3 | HDF150A | 237194 |
| 150 | 4 | HDF150B | 237195 |
| 200 | 3 | HDF200A | 237196 |
| 200 | 4 | HDF200B | 237197 |
| 275 | 3 | HDF275A | 237198 |
| 275 | 4 | HDF275B | 237199 |
| 360 | 3 | HDF360A | 237200 |
| 360 | 4 | HDF360B | 237201 |
| 360 | 6 | HDF360C | 237202 |
| 500 | 3 | HDF500A | 237203 |
| 500 | 4 | HDF500B | 237204 |
| 500 | 6 | HDF500C | 237205 |

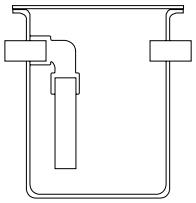
**HDPE STEEL PEDESTRIAN** Plain End

| | | | |
|---|---|---|---|
| 5 | 1-1/2 | SP005A | 237501 |
| 5 | 2 | SP005B | 237502 |
| 15 | 2 | SP015A | 237503 |
| 15 | 3 | SP015B | 237504 |
| 30 | 2 | SP030A | 237505 |
| 30 | 3 | SP030B | 237506 |
| 30 | 4 | SP030C | 237507 |
| 55 | 3 | SP055A | 237508 |
| 55 | 4 | SP055B | 237509 |
| 100 | 3 | SP100A | 237510 |
| 100 | 4 | SP100B | 237511 |
| 150 | 3 | SP150A | 237512 |
| 150 | 4 | SP150B | 237513 |
| 200 | 3 | SP200A | 237514 |
| 200 | 4 | SP200B | 237515 |
| 275 | 3 | SP275A | 237516 |
| 275 | 4 | SP275B | 237517 |
| 360 | 3 | SP360A | 237518 |
| 360 | 4 | SP360B | 237519 |
| 360 | 6 | SP360C | 237520 |
| 500 | 3 | SP500A | 237521 |
| 500 | 4 | SP500B | 237522 |
| 500 | 6 | SP500C | 237526 |

Standard Domed & HD Flat covers are not suitable for pedestrian traffic. Always use steel pedestrian covers.
Neutratanks are not rated for $H_20$ live loading. In areas requiring $H_20$ loading, position the tank below a Department of Transportation approved manhole cover.
Regular tanks and 700 to 2000 gallon cylindrical tanks are available on request.

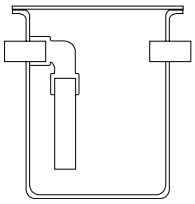
# PRODUCT SELECTION CHART

## POLYPRO HD BOLTED FLAT Plain End



| Gallons | Inlet/ Outlet inches | Significant Number | Product Code |
|---|---|---|---|
| 7 | 1-1/2 | PPHDF005A | 237206 |
| 7 | 2 | PPHDF005B | 237207 |
| 15 | 2 | PPHDF015A | 237208 |
| 15 | 3 | PPHDF015B | 237209 |
| 30 | 2 | PPHDF030A | 237210 |
| 30 | 3 | PPHDF030B | 237213 |
| 30 | 4 | PPHDF030C | 237214 |
| 55 | 3 | PPHDF055A | 237215 |
| 55 | 4 | PPHDF055B | 237216 |
| 100 | 3 | PPHDF100A | 237218 |
| 100 | 4 | PPHDF100B | 237220 |
| 150 | 3 | PPHDF150A | 237224 |
| 150 | 4 | PPHDF150B | 237225 |
| 200 | 3 | PPHDF200A | 237226 |
| 200 | 4 | PPHDF200B | 237228 |
| 275 | 3 | PPHDF275A | 237230 |
| 275 | 4 | PPHDF275B | 237235 |
| 360 | 3 | PPHDF360A | 237236 |
| 360 | 4 | PPHDF360B | 237238 |
| 360 | 6 | PPHDF360C | 237239 |
| 500 | 3 | PPHDF500A | 237240 |
| 500 | 4 | PPHDF500B | 237245 |
| 500 | 6 | PPHDF500C | 237246 |

## POLYPRO STEEL PEDESTRIAN Plain End



| | | | |
|---|---|---|---|
| 7 | 1-1/2 | PPSP005A | 237524 |
| 7 | 2 | PPSP005B | 237525 |
| 15 | 2 | PPSP015A | 237526 |
| 15 | 3 | PPSP015B | 237527 |
| 30 | 2 | PPSP030A | 237528 |
| 30 | 3 | PPSP030B | 237529 |
| 30 | 4 | PPSP030C | 237530 |
| 55 | 3 | PPSP055A | 237531 |
| 55 | 4 | PPSP055B | 237532 |
| 100 | 3 | PPSP100A | 237533 |
| 100 | 4 | PPSP100B | 237534 |
| 150 | 3 | PPSP150A | 237535 |
| 150 | 4 | PPSP150B | 237536 |
| 200 | 3 | PPSP200A | 237537 |
| 200 | 4 | PPSP200B | 237538 |
| 275 | 3 | PPSP275A | 237539 |
| 275 | 4 | PPSP275B | 237540 |
| 360 | 3 | PPSP360A | 237541 |
| 360 | 4 | PPSP360B | 237542 |
| 360 | 6 | PPSP360C | 237543 |
| 500 | 3 | PPSP500A | 237544 |
| 500 | 4 | PPSP500B | 237545 |
| 500 | 6 | PPSP500C | 237546 |

## INLET / OUTLET TANK SIZES & CONNECTION OPTIONS

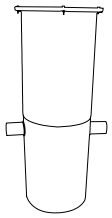
| Inlet / Outlet | Tank Size |
|---|---|
| 1-1/2" Plain End MPT, FPT, Flanged | 5 gal to 55 gal |
| 2" Plain End MPT, FPT, Flanged | 5 gal to 150 gal |
| 3" Plain End MPT, FPT, Flanged | 15 gal to 500 gal |
| 3" Flanged | 30 gal to 500 gal |
| 4" Plain End MPT, FPT, Flanged | 30 gal to 2000 gal |
| 6" Flanged | 360 gal to 2000 gal |

Standard Domed & HD Flat covers are not suitable for pedestrian traffic. Always use steel pedestrian covers.
Neutratanks are not rated for $H_20$ live loading. In areas requiring $H_20$ loading, position the tank below a Department of Transportation approved manhole cover.
Regular tanks and 700 to 2000 gallon cylindrical tanks are available on request.

# HDPE & POLYPROPYLENE NEUTRALIZATION TANKS

## PRODUCT SELECTION CHART

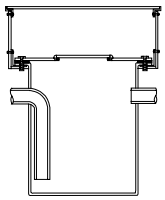
### HDPE NON-ADJUSTABLE EXTENSION



| Gallons | Inlet/ Outlet inches | Significant Number | Product Code |
|---|---|---|---|
| 5 | 6 to 9 | PEEXT005 | 237462 |
| 15 | 6 to 14 | PEEXT015 | 237463 |
| 30 | 6 to 24 | PEEXT030 | 237464 |
| 55 | 6 to 31 | PEEXT055 | 237465 |
| 100 | 6 to 35 | PEEXT100 | 237466 |
| 150 | 6 to 43 | PEEXT150 | 237467 |
| 200 | 6 to 43 | PEEXT200 | 237468 |
| 275 | 6 to 42 | PEEXT275 | 237469 |
| 360 | 6 to 42 | PEEXT360 | 237470 |
| 500 | 6 to 54 | PEEXT500 | 237471 |

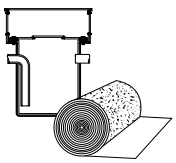
Polypro Non-Adjustable extensions are available upon request.

### VARIABLE EXTENSION (2" of Vertical Adjustment)



| | | | |
|---|---|---|---|
| 5/7 | 6 to 36 | ADEXT005 | 237454 |
| 15 | 6 to 36 | ADEXT015 | 237455 |
| 30 | 6 to 36 | ADEXT030 | 237456 |
| 55 | 6 to 36 | ADEXT055 | 237457 |
| 100 | 6 to 36 | ADEXT100 | 237458 |
| 150 | 6 to 36 | ADEXT150 | 237459 |
| 200 | 6 to 36 | ADEXT200 | 237460 |
| 275 | 6 to 36 | ADEXT275 | 237461 |

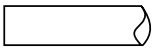
### FRP OVERWRAP



| | | | |
|---|---|---|---|
| 5/7 | – | FRPO005 | 237440 |
| 15 | – | FRPO015 | 237441 |
| 30 | – | FRPO030 | 237442 |
| 55 | – | FRPO055 | 237443 |
| 100 | – | FRPO100 | 237444 |
| 150 | – | FRPO150 | 237445 |
| 200 | – | FRPO200 | 237446 |
| 275 | – | FRPO275 | 237447 |
| 360 | – | FRPO360 | 237448 |
| 500 | – | FRPO500 | 237449 |

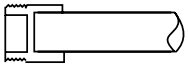
FRP Overwrap is for tanks without extensions Please contact IPEX for FRP overwrap pricing on tanks with non-adjustable extensions.

### HDPE PLAIN END VENT



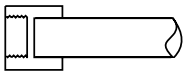
| Inlet/Outlet inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | PEV150 | 237401 |
| 2 | PEV200 | 237402 |
| 3 | PEV300 | 237403 |
| 4 | PEV400 | 237404 |

### HDPE MPT CONNECTION



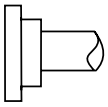
| | | |
|---|---|---|
| 1-1/2 | MPTC150 | 237421 |
| 2 | MPTC200 | 237422 |
| 3 | MPTC300 | 237423 |
| 4 | MPTC400 | 237424 |

### HDPE FPT CONNECTION



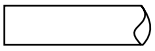
| | | |
|---|---|---|
| 1-1/2 | FPTC150 | 237431 |
| 2 | FPTC200 | 237432 |
| 3 | FPTC300 | 237433 |
| 4 | FPTC400 | 237434 |

### HDPE FLANGE CONNECTION



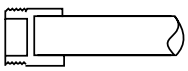
| | | |
|---|---|---|
| 1-1/2 | FLC150 | 237121 |
| 2 | FLC200 | 237131 |
| 3 | FLC300 | 237141 |
| 4 | FLC400 | 237142 |
| 6 | FLC600 | 237500 |

### POLYPRO PLAIN END VENT



| | | |
|---|---|---|
| 1-1/2 | PEPP150 | 237109 |
| 2 | PEPP200 | 237110 |
| 3 | PEPP300 | 237113 |
| 4 | PEPP400 | 237114 |

### POLYPRO MPT CONNECTION

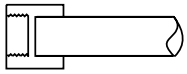


| | | |
|---|---|---|
| 1-1/2 | MPTPP150 | 237156 |
| 2 | MPTPP200 | 237157 |
| 3 | MPTPP300 | 237158 |
| 4 | MPTPP400 | 237159 |

Standard Domed & HD Flat covers are not suitable for pedestrian traffic. Always use steel pedestrian covers.
Neutratanks are not rated for $H_20$ live loading. In areas requiring $H_20$ loading, position the tank below a Department of Transportation approved manhole cover.
Regular tanks and 700 to 2000 gallon cylindrical tanks are available on request.

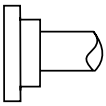
# PRODUCT SELECTION CHART

### POLYPRO FPT CONNECTION



| Inlet/Outlet inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | FPTPP150 | 237139 |
| 2 | FPTPP200 | 237140 |
| 3 | FPTPP300 | 237148 |
| 4 | FPTPP400 | 237149 |

### POLYPRO FLANGE CONNECTION



| Inlet/Outlet inches | Significant Number | Product Code |
|---|---|---|
| 1-1/2 | FLPP150 | 237116 |
| 2 | FLPP200 | 237118 |
| 3 | FLPP300 | 237120 |
| 4 | FLPP400 | 237138 |

### THREADED MANWAY

| Inlet/Outlet inches | Significant Number | Product Code |
|---|---|---|
| 8 | TMW008 | 237450 |
| 16 | TMW016 | 237451 |
| 22 | TMW022 | 237452 |

### NEUTRALIZING AGENT LIMESTONE BAGS

| | | |
|---|---|---|
| 50 lbs | TC50 | 237321 |

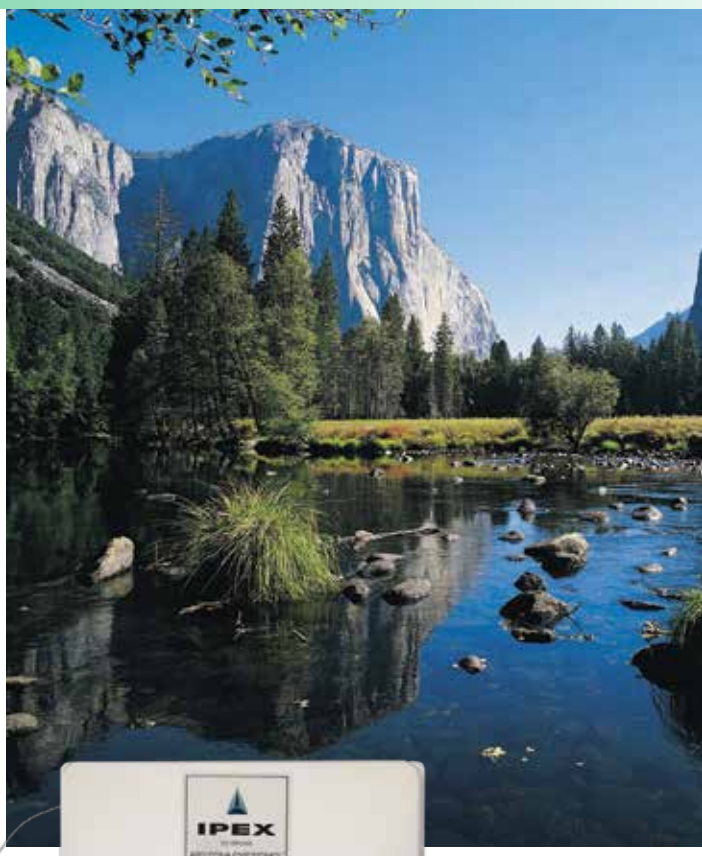
NOTE: F.O.B.- Shipping Location

### LIMESTONE LOADING GUIDE FOR NEUTRALIZATION

| Tank Size | Loading (lbs.) |
|---|---|
| 5 | 50 |
| 15 | 125 |
| 30 | 250 |
| 55 | 500 |
| 100 | 1000 |
| 150 | 1500 |
| 200 | 2000 |
| 275 | 2500 |
| 360 | 3500 |
| 500 | 5250 |
| 700 | 8000 |
| 1000 | 10000 |
| 1250 | 12000 |
| 2000 | 18000 |

# MONITORING RECORDING & ALARM SYSTEMS

## NEUTRASYSTEM2™

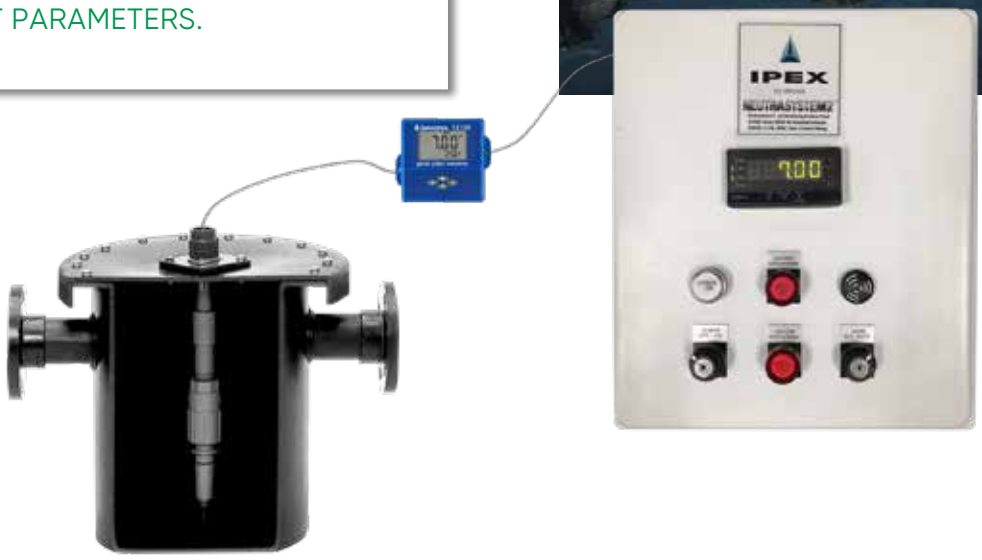


### ADVANTAGES

NEMA 4X RATED, PH MONITORING SYSTEM

UL 508 LISTED MONITORING AND ALARM PANEL,

CHEMICALLY RESISTANT PH PROBE FOR THE CONTINUOUS SAMPLING OF THE DOWNSTREAM FLOW, WHILE KEEPING AN ACCURATE, PERMANENT RECORD OF PH DISCHARGE LEVELS (OPTIONAL) AND, VISUAL AND AUDIBLE ALARMS WHICH ARE TRIGGERED IF THE SYSTEM SENSES THAT CONCENTRATIONS HAVE DRIFTED OUTSIDE PRE-SET PARAMETERS.




NEUTRASYSTEM PH MONITORING & RECORDING SYSTEM

| Classification | Significant Number | Product Code |
|---|---|---|
| pH Monitor w/ Tank & Alarm | TPH501 | 237371 |
| pH Monitor w/ Tank & Alarm & Data Logger | TPH502 | 237331 |

# ACCESSORIES

A complete range of accessories are available for use with IPEX acid waste systems, including:

- Oval and round cupsinks, faucets, solids interceptors, expansion joints and a wide selection of cobra clips, dilution traps, spacers, hangers and,
- Transition adapters are also available for interfacing with glass or iron systems.

MATERIALS AND ATTRIBUTES CHART

| Resin | Color | Schedule | Length (inches) | Size (inches) | ASTM Rating | Classification |
|---|---|---|---|---|---|---|
| FRPP | Green | 40 | 10/20 | 1-1/2 to 12 | V-1 | Self extinguishing. Does not support combustion after flame is removed. |
| NFRPP | Black | 40/80 | 20 | 1-1/2 to 12 | V-2 | Suitable for locations where no burning classification is required. |
| FR-PVDF | Blue | 40 | 10 | 1-1/2 to 4 | V-0 | Self extinguishing. Meets ASTM E-84. Suitable for areas such as return-air plenums and other specialized applications. |

IPEX acid waste systems are designed and manufactured to meet or exceed the requirements of the following standards organizations. A comprehensive list of compliance approvals is available on request.

Consult the IPEX Chemical Resistance Guide, available at ipexinc.com, for compatibility of our acid waste systems with over 900 chemicals, at a full range of temperatures and concentrations.

# INDUSTRIAL PRODUCTS

## PROCESS PIPING SYSTEMS

### Xirtec® PVC & Xirtec® CPVC

1/2" – 24" (12mm – 600mm)
Xirtec®: PVC Sch. 40 & 80 pipe & fittings systems.
Xirtec®: CPVC Sch. 80 pipe & fittings systems cell classification 24448 & 23447

### Duraplus™ ABS Industrial

**1/2" – 12" (12mm – 300mm)**
Complete ABS pressure pipe, valves & fitting systems.

### Enpure™

**1/2" – 4" (12mm – 100mm)**
High-purity polypropylene pipe, valves and fittings with a socket fusion joining system.

### Guardian™

**Carrier: 1/2" – 12" (12mm – 300mm)**
**Containment: 2" – 18" (50mm – 450mm)**
Vinyl double containment and leak detection system in tough industrial grade PVC and high temperature CPVC.

### Encase™

**1-1/2" – 12" (40mm – 300mm)**
Polypropylene double containment system for corrosive waste drainage consisting of an electrofusion fitting with a heavy-gauge resistance wire molded into the socket.

## DOUBLE CONTAINMENT SYSTEMS

### CustomGuard®

**Carrier: 1/2" – 20" (12mm – 500mm)**
**Containment: 2" – 26" (50mm – 660mm)**
Custom designed and fabricated double containment systems for similar & dissimilar materials.

### Clear-Guard

**1/2" – 8" (12mm – 200mm)**
Fully pressure rated clear containment PVC system with Guardian's patented Centra-Lok fitting design.

### Centra-Guard™

Patented electronic low point leak detection system for above ground and below grade piping systems.

### PAL-AT Cable Leak Detection

A microprocessor based system for continuous leak detection.

# THERMOPLASTIC VALVES

### Thermoplastic Valves

**1/2" – 16" (12mm – 400mm)**
IPEX offers a variety of manual & actuated valves in PVC, CPVC, PP, PVDF and ABS.

# COMPRESSED AIR

### Duratec® Airline

**1/2" – 1" (12mm – 25mm)**
Composite pipe and fittings for conveying compressed air and inert gases.

# SPECIALTY PRODUCTS

### Well Casings

**2" – 16" (50mm – 400mm)**
PVC corrosion-resistant, maintenance-free casings for well-drop-pipe and submersible pumps.

### Ventilation Duct

**6" – 24" (150mm – 600mm) Diameter**
**CPVC 6" – 16" (150mm – 400mm)**
Seamless PVC & CPVC ventilation duct systems for corrosive fume handling applications.

### Grooved PVC Pipe

**2" – 24" (50mm – 600mm)**
Schedule 40, SDR 26 and SDR 21 factory-grooved PVC pipe.

## SALES AND CUSTOMER SERVICE

**IPEX Inc**
Toll Free: (866) 473-9462
ipexna.com

### About IPEX by Aliaxis

As leading suppliers of thermoplastic piping systems, IPEX by Aliaxis provides our customers with some of the world's largest and most comprehensive product lines. All IPEX by Aliaxis products are backed by more than 50 years of experience. With state-of-the-art manufacturing facilities and distribution centers across North America, we have earned a reputation for product innovation, quality, end-user focus and performance.

Markets served by IPEX by Aliaxis products are:

- Electrical systems
- Telecommunications and utility piping systems
- Industrial process piping systems
- Municipal pressure and gravity piping systems
- Plumbing and mechanical piping systems
- Electrofusion systems for gas and water
- Industrial, plumbing and electrical cements
- Irrigation systems
- PVC, CPVC, PP, PVDF, PE, ABS, and PEX pipe and fittings

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A policy of ongoing product improvement is maintained. This may result in modifications of features and/or specifications without notice.

IPEX by aliaxis

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