
SYSTEM BENEFITS and FEATURES

“Zurn Chemical Drainage Systems offer reliability and quality for the design engineer; simplicity for the distributor; low cost, easy installation for the contractor; and peace of mind for the building owner/operator.”

Who it benefits and how:

Design Engineer – Reliability and Quality

- Superior joining methods: Fusion Lock®, nut with seal mechanical joint, and Stab-Lock®.
- Ease of installation reduces chance for faulty installations – industry’s best fusion machine, grooving tool, and the industry’s only push-together joining method with Stab-Lock®.
- Meets applicable ASTM, NSF, IAPMO/UPC, and CSA standards.
- Unequaled manufacturing Quality Control Procedures – manufacturing facility is NSF-61 compliant.
- Uniformity of material specifications.
- Zurn technical support staff.

Contractor – Low Cost and Easy

- Easy installation for mechanical joint. Grooving tool is easy to use and carries replacement cutting blade at no extra charge for easy instant blade replacement.
- Fast installation using new Stab-Lock® fittings. Eliminates the need to groove the pipe before assembly.
- No ratchet needed to join mechanical joint coupling.
- Patented single fitting for both fusion and mechanical joint – reduces number of different parts to deal with and offers job site flexibility – reduces installation time and costly delays.
- Easy installation for Fusion Lock® – no time-wasting clamps are necessary.
- Don’t have to go back and tighten joints after fusing – reduces operator error.
- Ability to fuse multiple joints of different sizes at same time and to dry fit system before fusing.
- Very simple and reliable fusion machine: reduces installation time, can fuse multiple joints of multiple sizes at the same time, reduces installation costs. Built-in features reduce operator error and saves installation time (see machine features, page 4).
- Fusion Lock® coil can be adjusted and moved into optimum position for fusing.

Distributor – Simplicity

- One fitting for Fusion, Mechanical systems, and Stab-Lock® – no multiple inventory of fittings necessary. Saves inventory dollars.
- Simplifies material handling – lowers shipping and receiving costs.
- Can combine with other Zurn family products for freight and promotional advantages.
- Supported by Zurn sales personnel in every major market area in North America.

Building Owner – Peace of Mind

- Reliability and performance – unequalled quality.
- Approvals: ASTM, IAPMO/UPC, CSA B181.3.
- Modular mechanical joint system: easy to work with during remodeling – keeps remodeling costs in check.
- Backed by strong, long-term company, Zurn Industries – in business since 1900.
- Manufactured at an NSF-61 compliant facility.
- See our installation training video online.

POLYPROPYLENE PIPE and FITTINGS

General Product Information

Polypropylene (PP) has become the material of choice of specifying engineers when designing chemical drainage systems. Polypropylene has the widest range and highest use temperature (up to 212°F) of any polyolefin commercially available. Its excellent physical and chemical properties make polypropylene the ideal thermoplastic for handling chemical waste solutions found in laboratory and industrial DWV applications.

As a result of its heterophasic molecular distribution, polypropylene offers excellent resistance to most common organic and mineral acids, alkalis, alcohols and salt solutions. In short, polypropylene is the most cost-efficient way to handle the mixtures of acids, bases and solvents that are being discarded in laboratory and industrial piping systems.

Applications

- School laboratories
- University laboratories
- Hospitals
- Research facilities
- Wineries
- Food process facilities
- Dairy facilities
- Industrial facilities
- Pharmaceutical
- Photo labs

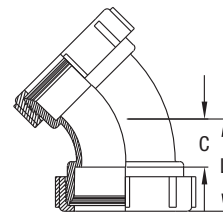


Z9A-E45 45° ELBOW – 1/8 Bend

Engineering Specification:

ASTM-F1412, F.R.P.P. - 210

ZURN Z9A-E45 45° ELBOW – Threaded x threaded flame-retardant polypropylene 45° elbow fitting assembly.



Options:

-F Fusion Lock; -M Mechanical Seal; -S Stab•Lock Seal

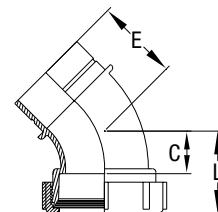
Model No.	Dimensions in Inches [mm]		
	Nom. Pipe Size	C	L
Z9A-E45-112	1-1/2 [38]	11/16 [17]	1-3/4 [44]
Z9A-E45-2	2 [51]	25/32 [20]	1-27/32 [47]
Z9A-E45-3	3 [76]	1-3/4 [44]	2-1/32 [52]
Z9A-E45-4	4 [102]	2-13/16 [56]	4-5/16 [110]
Z9A-E45-6	6 [152]	2 [51]	4-5/32 [106]

Z9A-E45S 45° ELBOW – Street

Engineering Specification:

ASTM-F1412, F.R.P.P. - 210

ZURN Z9A-E45S 45° ELBOW – Threaded x spigot flame-retardant polypropylene 45° elbow fitting assembly.



Options:

-F Fusion Lock; -M Mechanical Seal; -S Stab•Lock Seal

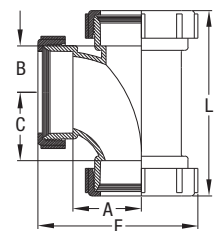
Model No.	Dimensions in Inches [mm]			
	Nom. Pipe Size	C	E	L
Z9A-E45S-112	1-1/2 [38]	11/16 [17]	1-15/16 [49]	1-3/4 [44]
Z9A-E45S-2	2 [51]	25/32 [20]	2-1/4 [57]	2-1/32 [52]
Z9A-E45S-3	3 [76]	1-3/4 [44]	4-5/32 [106]	1-27/32 [47]
Z9A-E45S-4	4 [102]	2-3/16 [56]	4-13/32 [112]	4-5/16 [110]
Z9A-E45S-6	6 [152]	2 [51]	4-5/32 [106]	4-5/32 [106]

Z9A-T SANITARY TEE

Engineering Specification:

ASTM-F1412, F.R.P.P. - 210

ZURN Z9A-T SANITARY TEE – Flame-retardant polypropylene sanitary tee fitting assembly.



Options:

-F Fusion Lock; -M Mechanical Seal; -S Stab•Lock Seal

Model No.	Dimensions in Inches [mm]					
	Nom. Pipe Size	A	B	C	E	L
Z9A-T-112	1-1/2 [38]	1-3/4 [44]	1-3/8 [35]	1-3/4 [44]	4-1/16 [103]	5-1/4 [133]
Z9A-TT-112	1-1/2 [38]	2-3/16 [56]	2-3/4 [70]	3-1/2 [89]	4-15/16 [125]	8-11/32 [212]
Z9A-T-2	2 [51]	1-5/16 [33]	1-3/8 [35]	2-5/16 [59]	5-3/32 [129]	6-1/4 [159]
Z9A-T-3	3 [76]	3-1/16 [78]	2-3/16 [56]	3-1/16 [78]	7-13/32 [188]	9-7/16 [240]
Z9A-T-4	4 [102]	3-7/8 [98]	2-5/8 [67]	3-5/8 [92]	8-3/4 [222]	10-3/4 [273]
Z9A-T-6	6 [152]	5 [127]	5-3/8 [137]	5 [127]	11-1/2 [292]	14-11/16 [373]