

# Chemical Drainage

CHD0119 Customer Guide – CANADA



ZURN.COM US 1.855.ONE.ZURN CANADA 1.877.892.5216



Effective January 1, 2019  
Replaces All Previous Price Lists

# CHEMICAL DRAINAGE

## POLYPROPYLENE PIPE AND FITTINGS

<b>Z9-PP40-FR</b> PIPE SCHEDULE 40	<b>5</b>
<b>Z9-PP80-FR</b> PIPE SCHEDULE 80	<b>5</b>
<b>Z9-PP40-NFR</b> PIPE SCHEDULE 40	<b>5</b>
<b>Z9-PP80-NFR</b> PIPE SCHEDULE 80	<b>5</b>
<b>Z9A-C</b> COUPLING	<b>5</b>
<b>Z9A-SC</b> SLIP COUPLING	<b>6</b>
<b>Z9A-E90</b> 90° ELBOW – 1/4 BEND	<b>6</b>
<b>Z9A-E90S</b> 90° ELBOW – STREET	<b>6</b>
<b>Z9A-LS90</b> 90° ELBOW – LONG SWEEP	<b>6</b>
<b>Z9A-E45</b> 45° ELBOW – 1/8 BEND	<b>6</b>
<b>Z9A-E45S</b> 45° ELBOW – STREET	<b>7</b>
<b>Z9A-T</b> SANITARY TEE	<b>7</b>
<b>Z9A-TR</b> REDUCING SANITARY TEE	<b>7</b>
<b>Z9A-TC</b> CLEANOUT TEE	<b>7</b>
<b>Z9A-Y</b> 45° WYE	<b>8</b>
<b>Z9A-YR</b> REDUCING WYE	<b>8</b>
<b>Z9A-YB</b> COMBINATION WYE AND 45° ELBOW	<b>8</b>
<b>Z9A-YRB</b> REDUCING COMBINATION WYE AND 45° ELBOW	<b>8</b>
<b>Z9A-YY</b> 45° DOUBLE WYE	<b>8</b>
<b>Z9A-YYR</b> REDUCING DOUBLE WYE	<b>9</b>
<b>Z9A-YYB</b> COMBINATION DOUBLE WYE AND 45° ELBOW	<b>9</b>
<b>Z9A-YYRB</b> COMBINATION REDUCING DOUBLE WYE AND 45° ELBOW	<b>9</b>

<b>Z9A-RED</b> REDUCING BUSHING	<b>9</b>
<b>Z9A-GA</b> GLASS PIPE ADAPTER	<b>10</b>
<b>Z9A-SJA</b> SLIP JOINT ADAPTER	<b>10</b>
<b>Z9A-ULOOP</b> U-LOOP	<b>10</b>
<b>Z9A-PTRAP</b> P-TRAP	<b>10</b>
<b>Z9A-STRAP</b> S-TRAP	<b>10</b>
<b>Z9A-RUNTRAP</b> RUNNING TRAP	<b>11</b>
<b>Z9-NUT</b> REPLACEMENT LOCKING NUT	<b>11</b>
<b>Z9-PLUG</b> CLEANOUT PLUG	<b>11</b>
<b>Z9-FS</b> REPLACEMENT FUSION LOCK SEAL	<b>11</b>
<b>Z9A-S</b> REPLACEMENT STAB•LOCK™ SEAL AND RING	<b>11</b>
<b>Z9A-FD1</b> ADJUSTABLE FLOOR DRAIN	<b>12</b>
<b>Z9A-FD2</b> ADJUSTABLE FLOOR DRAIN	<b>12</b>
<b>Z9A-FD4</b> HEAVY DUTY FLOOR DRAIN	<b>12</b>
<b>Z9A-FSINK</b> POLYPROPYLENE FLOOR SINK	<b>12</b>
<b>Z9A-CO1</b> ADJUSTABLE FLOOR CLEANOUT	<b>13</b>
<b>Z9A-CO4</b> CLEANOUT BODY WITH PLUG	<b>13</b>
<b>Z9A-CO6</b> CLEANOUT	<b>13</b>
<b>Z9-CS</b> OVAL CUP SINK	<b>13</b>
<b>Z9-CS</b> ROUND CUP SINK	<b>13</b>
<b>Z9A-BT</b> BOTTLE TRAP	<b>14</b>
<b>Z9A-WA</b> WASTE ASSEMBLIES	<b>14</b>

## NEUTRALIZATION TANKS

<b>Z9A-NT</b> NEUTRALIZATION TANK	<b>16</b>
<b>Z9A-DT</b> 1.5 GALLON DILUTION TANK	<b>16</b>

## NEUTRALIZATION CARTRIDGE

<b>Z9A-PHIX</b> UNDER SINK ACID NEUTRALIZATION CARTRIDGE SYSTEM	<b>18</b>
<b>Z9-PHIX-MEDIA</b> PHIX MEDIA 5 GALLON PAIL	<b>18</b>

## PVDF PIPE AND FITTINGS

<b>Z9-PVDF40</b> PVDF PIPE SCHEDULE 40	<b>21</b>
<b>Z9A-PC</b> PVDF COUPLING	<b>21</b>
<b>Z9A-PE90</b> PVDF 90° ELBOW	<b>21</b>
<b>Z9A-PLS90</b> PVDF LONG SWEEP 90° ELBOW	<b>21</b>
<b>Z9A-PE45</b> PVDF 45° ELBOW – THREAD X THREAD	<b>21</b>
<b>Z9A-PE45S</b> PVDF STREET 45° ELBOW – SOCKET X SPIGOT	<b>22</b>
<b>Z9A-PT</b> PVDF SANITARY TEE	<b>22</b>
<b>Z9A-PTR</b> PVDF REDUCING SANITARY TEE	<b>22</b>
<b>Z9A-PTC</b> PVDF CLEANOUT TEE	<b>22</b>
<b>Z9A-PY</b> PVDF 45° WYE	<b>22</b>
<b>Z9A-PYR</b> PVDF REDUCING WYE	<b>23</b>
<b>Z9A-PYY</b> PVDF 45° DOUBLE WYE	<b>23</b>

<b>Z9A-PYYR</b> PVDF REDUCING DOUBLE WYE	<b>23</b>
<b>Z9A-PRED</b> PVDF REDUCING BUSHING	<b>23</b>
<b>Z9A-PMA</b> PVDF MALE THREAD ADAPTER	<b>23</b>
<b>Z9A-PFA</b> PVDF FEMALE THREAD ADAPTER – NPT	<b>24</b>
<b>Z9A-PIA</b> PVDF IRON PIPE ADAPTER – (MJ)	<b>24</b>
<b>Z9A-PULOOOP</b> U-LOOP	<b>24</b>
<b>Z9-PNUT</b> PVDF LOCKING NUT	<b>24</b>
<b>Z9-PPLUG</b> PVDF CLEANOUT PLUG	<b>24</b>
<b>Z9A-PFD1</b> PVDF ADJUSTABLE FLOOR DRAIN	<b>24</b>
<b>Z9A-PFD2</b> ADJUSTABLE FLOOR DRAIN	<b>25</b>
<b>Z9A-PCO1</b> PVDF ADJUSTABLE CLEANOUT	<b>25</b>
<b>Z9A-PCO4</b> PVDF CLEANOUT BODY WITH PLUG	<b>25</b>
<b>Z9-GRVR</b> GROOVING TOOL FOR MECHANICAL JOINT INSTALLATIONS	<b>27</b>
<b>Z9-SPAN</b> SPANNER WRENCH	<b>27</b>
<b>Z9-SPAN</b> SPANNER WRENCH	<b>27</b>
<b>Z9-PCT</b> QUICK-RELEASE CUTTERS	<b>27</b>
<b>Z9-DEB4</b> CHAMFER TOOL	<b>27</b>
<b>Z9A-WELDER</b> ZURN POLYPROPYLENE ELECTRO FUSION MACHINE	<b>27</b>

## TECHNICAL INFORMATION

GENERAL TERMS AND CONDITIONS	<b>32</b>
------------------------------	-----------

# Neutralize Your Wastewater and Your Worries

What comes back up, must go down with a lower wastewater pH. PHIX® cartridge delivers 5 times the neutralization power for 30 times the service life. It installs easily under the sink for applications, such as school labs, healthcare facilities, maintenance and commercial rinse sinks.

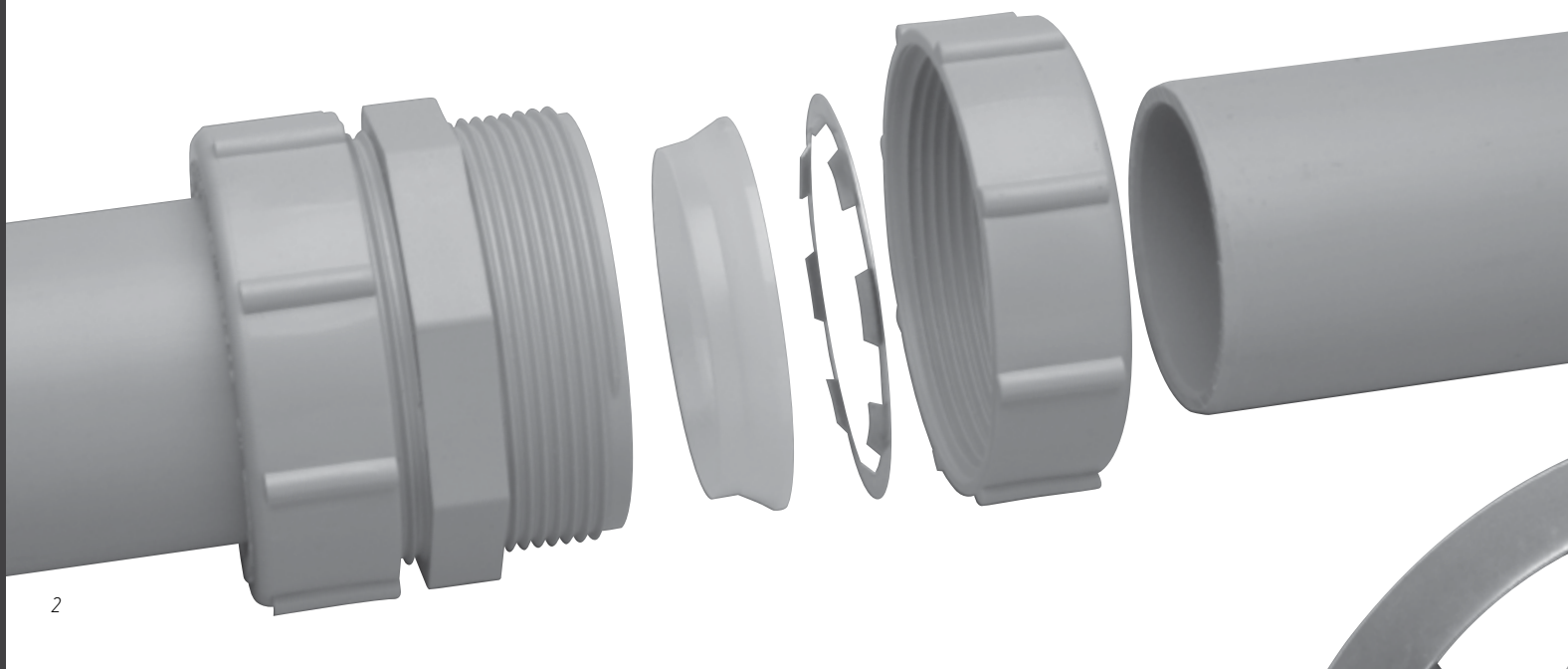
## Features and Benefits

- Delivers 5 times the effectiveness and lasts 30 times longer than limestone
- Fits in compact spaces, making it ideal for retrofit applications
- Holds up with its durable, glass-filled polypropylene construction and 10-year warranty
- Doesn't require special equipment for storage or handling
- Meets NSF International certification



## High Temps. Harsh Chemicals. Bring It.

Polypropylene (PP) is the material of choice for engineers designing chemical drainage systems. Its excellent physical and chemical properties make it the ideal thermoplastic for handling chemical waste solutions found in laboratory and industrial DWV applications.



# Stab-Lock Case Studies

## **Dominican University, Parmer Hall**

*River Forest, Illinois*

Barry Thomas Plumbing installed the drainage system at Dominican University in River Forest, IL. The project used 1,300 feet of Zurn FR Polypro pipe and 250 Stab-Lock connections. While the contractors were new to the system, they found it to be very easy to learn and apply. The push-together features of the Zurn products eliminated the need for grooving pipe, typically necessary with traditional mechanical joint systems. Because of this, they were able to exceed projected footage installed per day by 25%. The Zurn Stab-Lock is "easier, quicker, and more reliable than traditional mechanical joining methods," commented Hank Lenzen, contractor, Barry Thomas Plumbing.



## **McAdams Junior High**

*Dickinson, Texas*

Kilgore Industries installed the drainage system at McAdams Junior High in Dickinson, Texas. The project used Zurn PVDF pipe and Stab-Lock fittings. Peyton Hill, project manager for Kilgore Industries commented that he "found the Stab-Lock to have obvious benefits. Stab-Lock provided fast and simple installation that contractors in the field easily adapted to. Once seals were lubricated, insertion of the pipe was easy. Enjoyed using the product and would use it again in the future."



## **Virginia Tech, Life Sciences Building**

*Blacksburg, Virginia*

G.J. Hopkins Mechanical installed the chemical drainage system at Virginia Tech's Life Sciences Building in Blacksburg, Virginia. The project used a total of 1266 Stab-Lock connections. The Stab-Lock connections were easily installed, providing maximum labor savings.



## 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 180° continuous, 212°F intermittent temperature) 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 heterophasicmolecular 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

## Z9-PP40-FR PIPE SCHEDULE 40



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9-PP40-FR - Chemical drainage flame retardant polypropylene resin schedule 40 pipe protects the building and occupancy from hazardous waste. Used in conjunction with Zurn's patented combination fittings allowing use with Stab-Lock and Fusion-Lock joining methods offering flexibility for the contractor and minimizes jobsite inventory.

MODEL NO.	NOM. PIPE SIZE	10' LENGTHS
Z9-PP40-FR-112	1-1/2 [38]	159.00
Z9-PP40-FR-2	2 [51]	216.00
Z9-PP40-FR-3	3 [76]	390.00
Z9-PP40-FR-4	4 [102]	550.00
Z9-PP40-FR-6	6 [152]	986.00

## Z9-PP80-FR PIPE SCHEDULE 80



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9-PP80-FR - Chemical drainage flame retardant polypropylene resin schedule 80 pipe protects the building and occupancy from hazardous waste. Used in conjunction with Zurn's patented combination fittings allowing use with Stab-Lock and Fusion-Lock joining methods offering flexibility for the contractor and minimizes jobsite inventory.

MODEL NO.	NOM. PIPE SIZE	10' LENGTHS
Z9-PP80-FR-112	1-1/2 [38]	225.00
Z9-PP80-FR-2	2 [51]	280.00
Z9-PP80-FR-3	3 [76]	528.00
Z9-PP80-FR-4	4 [102]	761.00
Z9-PP80-FR-6	6 [152]	1,478.00

## Z9-PP40-NFR PIPE SCHEDULE 40



### ENGINEERING SPECIFICATION

ASTM-F1412 ZURN Z9-PP40-NFR - Chemical drainage non-flame flame retardant polypropylene resin schedule 40 pipe protects the building and occupancy from hazardous waste. Used in conjunction with Zurn's patented combination fittings allowing use with Stab-Lock and Fusion-Lock joining methods offering flexibility for the contractor and minimizes jobsite inventory.

MODEL NO.	NOM. PIPE SIZE	10' LENGTHS
Z9-PP40-NFR-112	1-1/2 [38]	102.00
Z9-PP40-NFR-2	2 [51]	138.00
Z9-PP40-NFR-3	3 [76]	280.00
Z9-PP40-NFR-4	4 [102]	358.00
Z9-PP40-NFR-6	6 [152]	722.00

## Z9-PP80-NFR PIPE SCHEDULE 80



### ENGINEERING SPECIFICATION

ASTM-F1412 ZURN Z9-PP80-NFR - Chemical drainage non-flame flame retardant polypropylene resin schedule 80 pipe protects the building and occupancy from hazardous waste. Used in conjunction with Zurn's patented combination fittings allowing use with Stab-Lock and Fusion-Lock joining methods offering flexibility for the contractor and minimizes jobsite inventory.

MODEL NO.	NOM. PIPE SIZE	10' LENGTHS
Z9-PP80-NFR-112	1-1/2 [38]	164.00
Z9-PP80-NFR-2	2 [51]	212.00
Z9-PP80-NFR-3	3 [76]	390.00
Z9-PP80-NFR-4	4 [102]	546.00
Z9-PP80-NFR-6	6 [152]	1,043.00

## Z9A-C COUPLING



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-C COUPLING - Flame retardant, polypropylene coupling for use in chemical drainage applications.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-C-112	1-1/2 [38]	52.00	40.00
Z9A-C-2	2 [51]	63.00	52.00
Z9A-C-3	3 [76]	81.00	76.00
Z9A-C-4	4 [102]	114.00	105.00
Z9A-C-6	6 [152]	164.00	-



## Z9A-SC SLIP COUPLING



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-SC SLIP COUPLING  
– Flame retardant, polypropylene fitting for use with existing polypropylene stack in chemical drainage applications.

### OPTIONS

-F Fusion Lock®

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE
Z9A-SC-4	4 [102]	125.00
Z9A-SC-6	6 [152]	175.00

## Z9A-E90 90° ELBOW – 1/4 BEND



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-E90 90° ELBOW – Threaded x threaded flame-retardant polypropylene 90° elbow fitting for use in chemical drainage applications.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-E90-112	1-1/2 [38]	66.00	54.00
Z9A-E90-2	2 [51]	80.00	69.00
Z9A-E90-3	3 [76]	137.00	132.00
Z9A-E90-4	4 [102]	218.00	209.00
Z9A-E90-6	6 [152]	526.00	-

## Z9A-E90S 90° ELBOW – STREET



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-E90S 90° ELBOW – Threaded spigot flame-retardant polypropylene 90° elbow fitting.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-E90S-112	1-1/2 [38]	57.00	63.00
Z9A-E90S-2	2 [51]	70.00	64.00
Z9A-E90S-3	3 [76]	132.00	-
Z9A-E90S-4	4 [102]	207.00	-
Z9A-E90S-6	6 [152]	493.00	-

## Z9A-LS90 90° ELBOW – LONG SWEEP



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-LS90 LONG SWEEP ELBOW – Threaded spigot, flame retardant, polypropylene 90-degree elbow – street fitting. For use in chemical drainage applications.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

### NOTE

\*One-piece molded.

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-LS90-112*	1-1/2 [38]	69.00	-
Z9A-LS90-2*	2 [51]	91.00	79.00
Z9A-LS90-3	3 [76]	155.00	150.00
Z9A-LS90-4	4 [102]	223.00	213.00
Z9A-LS90-6	6 [152]	-	-

## 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 for use in chemical drainage applications.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-E45-112	1-1/2 [38]	64.00	52.00
Z9A-E45-2	2 [51]	77.00	66.00
Z9A-E45-3	3 [76]	141.00	137.00
Z9A-E45-4	4 [102]	159.00	150.00
Z9A-E45-6	6 [152]	429.00	-

## 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 for use in chemical drainage  
applications.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-E45S-112	1-1/2 [38]	48.00	42.00
Z9A-E45S-2	2 [51]	54.00	48.00
Z9A-E45S-3	3 [76]	116.00	-
Z9A-E45S-4	4 [102]	131.00	-
Z9A-E45S-6	6 [152]	360.00	-

## 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 for use in chemical drainage applications

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-T-2	2 [51]	95.00	78.00
Z9A-T-4	4 [102]	286.00	272.00
Z9A-T-6	6 [152]	933.00	-



Z9A-PTT

## Z9A-TR REDUCING SANITARY TEE



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-TR REDUCING  
SANITARY TEE – Flame-retardant polypropylene  
reducing sanitary tee fitting assembly for use in  
chemical drainage applications. Z9A-TTR-2 x 112  
DOUBLE REDUCING SANITARY TEE

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

### NOTE

\*One-piece molded.

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-TR-2X112*	2 [51]	96.00	78.00
Z9A-TTR-2X112*	2 [51]	230.00	207.00
Z9A-TR-4X112	4 [102]	237.00	221.00
Z9A-TR-4X2	4 [102]	256.00	241.00
Z9A-TR-6X2	6 [152]	872.00	-
Z9A-TR-6X3	6 [152]	891.00	-
Z9A-TR-6X4	6 [152]	931.00	-



Z9A-TTR

## Z9A-TC CLEANOUT TEE



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-TC CLEANOUT TEE  
– Flame-retardant polypropylene cleanout tee fitting  
assembly for use in chemical drainage applications.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-TC-2	2 [51]	107.00	95.00
Z9A-TC-4	4 [102]	302.00	292.00
Z9A-TC-6	6 [152]	1,000.00	-



## Z9A-Y 45° WYE



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-Y 45° WYE  
– Flame-retardant polypropylene 45° wye fitting assembly for use in chemical drainage applications.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-Y-1I2	1-1/2 [38]	-	65.00
Z9A-Y-2	2 [51]	116.00	99.00
Z9A-Y-3	3 [76]	203.00	196.00
Z9A-Y-4	4 [102]	293.00	279.00
Z9A-Y-6	6 [152]	555.00	-

## Z9A-YR REDUCING WYE



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-YR REDUCING WYE – Flame-retardant polypropylene reducing 45° wye fitting assembly for use in chemical drainage applications.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

### NOTE

\*One-piece molded.

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-YR-2X1I2	2 [51]	114.00	-
Z9A-YR-3X1I2*	3 [76]	233.00	223.00
Z9A-YR-3X2	3 [76]	186.00	176.00
Z9A-YR-4X1I2	4 [102]	285.00	-
Z9A-YR-4X2	4 [102]	267.00	253.00
Z9A-YR-6X2	6 [152]	474.00	-
Z9A-YR-6X3	6 [152]	486.00	-
Z9A-YR-6X4	6 [152]	494.00	-

## Z9A-YB COMBINATION WYE AND 45° ELBOW



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-YB COMBINATION WYE and 45° ELBOW – Flame-retardant polypropylene combination wye and 1/8 bend fitting assembly.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-YB-1I2	1-1/2 [38]	108.00	90.00
Z9A-YB-2	2 [51]	134.00	117.00
Z9A-YB-3	3 [76]	227.00	220.00
Z9A-YB-4	4 [102]	321.00	308.00
Z9A-YB-6	6 [152]	847.00	-

## Z9A-YRB REDUCING COMBINATION WYE AND 45° ELBOW



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-YRB REDUCING COMBINATION WYE and 45° ELBOW – Flame-retardant polypropylene reducing combination wye and 1/8 bend fitting assembly for use in chemical drainage applications.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-YRB-2X1I2	2 [51]	130.00	113.00
Z9A-YRB-3X1I2	3 [76]	194.00	184.00
Z9A-YRB-3X2	3 [76]	203.00	193.00
Z9A-YRB-4X1I2	4 [102]	291.00	276.00
Z9A-YRB-4X2	4 [102]	-	271.00
Z9A-YRB-6X2	6 [152]	-	-
Z9A-YRB-6X3	6 [152]	576.00	-
Z9A-YRB-6X4	6 [152]	622.00	-

## Z9A-YY 45° DOUBLE WYE



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-YY 45° DOUBLE WYE – Flame-retardant polypropylene double wye fitting assembly for use in chemical drainage applications.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-YY-1I2	1-1/2 [38]	140.00	117.00
Z9A-YY-2	2 [51]	208.00	-
Z9A-YY-3	3 [76]	263.00	-
Z9A-YY-4	4 [102]	434.00	415.00
Z9A-YY-6	6 [152]	923.00	-

## Z9A-YYR REDUCING DOUBLE WYE



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-YYR REDUCING DOUBLE WYE - Flame-retardant polypropylene reducing double wye fitting assembly for use in chemical drainage applications.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

### NOTE

\*One-piece molded.

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-YYR-2X112	2 [51]	197.00	174.00
Z9A-YYR-3X112*	3 [76]	307.00	291.00
Z9A-YYR-3X2*	3 [76]	325.00	309.00
Z9A-YYR-4X112	4 [102]	495.00	474.00
Z9A-YYR-4X2	4 [102]	510.00	490.00
Z9A-YYR-6X2	6 [152]	1,202.00	-
Z9A-YYR-6X3	6 [152]	1,220.00	-
Z9A-YYR-6X4	6 [152]	1,222.00	-

## Z9A-YYB COMBINATION DOUBLE WYE AND 45° ELBOW



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-YYB COMBINATION DOUBLE WYE and 45° ELBOW - Flame-retardant polypropylene fitting assembly.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-YYB-112	1-1/2 [38]	147.00	147.00
Z9A-YYB-2	2 [51]	234.00	211.00
Z9A-YYB-3	3 [76]	314.00	305.00
Z9A-YYB-4	4 [102]	517.00	499.00
Z9A-YYB-6	6 [152]	1,208.00	-

## Z9A-YYRB COMBINATION REDUCING DOUBLE WYE AND 45° ELBOW



### ENGINEERING SPECIFICATION

ZURN Z9A-YYRB COMBINATION REDUCING DOUBLE WYE and 45° ELBOW - Flame-retardant polypropylene combination reducing double wye and 45-degree elbow assembly for use in chemical drainage applications.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-YYRB-2X112	2 [51]	228.00	-
Z9A-YYRB-3X112	3 [76]	290.00	274.00
Z9A-YYRB-3X2	3 [76]	350.00	334.00
Z9A-YYRB-4X112	4 [102]	542.00	521.00
Z9A-YYRB-4X2	4 [102]	-	545.00
Z9A-YYRB-6X2	6 [152]	1,158.00	-
Z9A-YYRB-6X3	6 [152]	1,197.00	-
Z9A-YYRB-6X4	6 [152]	1,264.00	-

## Z9A-RED REDUCING BUSHING



### ENGINEERING SPECIFICATION

ASTM-F1412, UPC®, F.R.P.P. - 210 ZURN Z9A-RED REDUCING BUSHING - Flame-retardant polypropylene reducing fitting assembly for use in chemical drainage applications.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	REDUCER SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-RED-2X112	2 x 1/2 [51 x 38]	43.00	37.00
Z9A-RED-3X112	3 x 1/2 [76 x 38]	58.00	-
Z9A-RED-3X2	3 x 2 [76 x 51]	60.00	-
Z9A-RED-4X112	4 x 1/2 [102 x 38]	108.00	-
Z9A-RED-4X2	4 x 2 [102 x 51]	112.00	-
Z9A-RED-4X3	4 x 3 [102 x 76]	112.00	110.00
Z9A-RED-6X2	6 x 2 [152 x 51]	-	175.00
Z9A-RED-6X3	6 x 3 [152 x 76]	182.00	180.00
Z9A-RED-6X4	6 x 4 [152 x 102]	189.00	184.00

## Z9A-GA GLASS PIPE ADAPTER



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-GA GLASS PIPE ADAPTER – Flame-retardant polypropylene glass adapter fitting assembly for use in chemical drainage applications.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-GA-2	2 [51]	70.00	64.00
Z9A-GA-4	4 [102]	154.00	150.00

## Z9A-SJA SLIP JOINT ADAPTER



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. ZURN Z9A-SJA SLIP JOINT ADAPTER – Flame-retardant polypropylene fitting with chrome-plated brass nut.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	-F LIST PRICE	-S LIST PRICE
Z9A-SJA-112X112	69.00	63.00
Z9A-SJA-112X2	69.00	-
Z9A-SJA-114X2	69.00	63.00

## Z9A-ULOOP U-LOOP



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-ULOOP – Flame-retardant polypropylene fitting assembly.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-ULOOP-112	1-1/2 [38]	64.00	52.00
Z9A-ULOOP-2	2 [51]	77.00	65.00

## Z9A-PTRAP P-TRAP



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-PTRAP P-TRAP – Flame-retardant polypropylene fitting assembly.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

### NOTE

\*One-piece molded U-loop.

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-PTRAP-112*	1-1/2 [38]	128.00	116.00
Z9A-PTRAP-2	2 [51]	136.00	125.00
Z9A-PTRAP-3	3 [76]	300.00	296.00
Z9A-PTRAP-4	4 [102]	558.00	549.00
Z9A-PTRAP-6	6 [152]	-	-

## Z9A-STRAP S-TRAP



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-STRAP S-TRAP – Flame-retardant polypropylene fitting assembly.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

### NOTE

\*One-piece molded U-loop.

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-STRAP-112*	1-1/2 [38]	145.00	133.00
Z9A-STRAP-2*	2 [51]	166.00	-
Z9A-STRAP-3	3 [76]	334.00	330.00
Z9A-STRAP-4	4 [102]	592.00	583.00
Z9A-STRAP-6	6 [152]	1,432.00	-

## Z9A-RUNTRAP RUNNING TRAP



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-RUNTRAP RUNNING TRAP – Flame-retardant polypropylene fitting assembly.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

### NOTE

\*One-piece molded U-loop.

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-RUNTRAP-112*	1-1/2 [38]	145.00	133.00
Z9A-RUNTRAP-2*	2 [51]	166.00	155.00
Z9A-RUNTRAP-3	3 [76]	334.00	330.00
Z9A-RUNTRAP-4	4 [102]	592.00	583.00
Z9A-RUNTRAP-6	6 [152]	1,432.00	-

## Z9-NUT REPLACEMENT LOCKING NUT



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9-NUT REPLACEMENT LOCKING NUT – Flame-retardant polypropylene locking nut used in both fusion lock and mechanical joint installations.

MODEL NO.	NOM. PIPE SIZE	LIST PRICE
Z9-NUT-112	1-1/2 [38]	22.00
Z9-NUT-2	2 [51]	32.00
Z9-NUT-3	3 [76]	50.00
Z9-NUT-4	4 [102]	84.00
Z9-NUT-6	6 [152]	122.00

## Z9-PLUG CLEANOUT PLUG



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9-PLUG CLEANOUT PLUG – Flame-retardant polypropylene plug used with fitting. No seal required.

### NOTE

\*Fabricated

MODEL NO.	NOM. PIPE SIZE	LIST PRICE
Z9-PLUG-112	1-1/2 [38]	18.00
Z9-PLUG-2	2 [51]	25.00
Z9-PLUG-3	3 [76]	40.00
Z9-PLUG-4	4 [102]	81.00
Z9-PLUG-6*	6 [152]	96.00

## Z9-FS REPLACEMENT FUSION LOCK SEAL



### ENGINEERING SPECIFICATION

ASTM-F1412 ZURN Z9-FS FUSION SEAL – Polypropylene electrofusion seal.

MODEL NO.	NOM. PIPE SIZE	LIST PRICE
Z9-FS-112	1-1/2 [38]	12.00
Z9-FS-2	2 [51]	12.00
Z9-FS-3	3 [76]	17.00
Z9-FS-4	4 [102]	20.00
Z9-FS-6	6 [152]	33.00

## Z9A-S REPLACEMENT STAB•LOCK™ SEAL AND RING



### ENGINEERING SPECIFICATION

ASTM-F1412 ZURN Z9A-S STAB•LOCK® SEAL – LDPE mechanical joint seal.

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE
Z9A-S-112	1-1/2 [38]	7.00
Z9A-S-2	2 [51]	7.00
Z9A-S-3	3 [76]	16.00
Z9A-S-4	4 [102]	17.00

## Z9A-FD1 ADJUSTABLE FLOOR DRAIN



### ENGINEERING SPECIFICATION

ZURN Z9A-FD1 ADJUSTABLE FLOOR DRAIN – Polypropylene body with bottom outlet and adjustable stainless steel strainer.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-FD1-3	3 [76]	595.00	593.00
Z9A-FD1-4	4 [102]	607.00	–
OPTIONS	DESCRIPTION	ADD	
-FN	4" [102] Round Stainless Steel Funnel	271.00	
-VP	Vandal Proof	62.00	

## Z9A-FD2 ADJUSTABLE FLOOR DRAIN



### ENGINEERING SPECIFICATION

ZURN Z9A-FD2 ADJUSTABLE FLOOR DRAIN – Polypropylene body with plain end bottom outlet, polypropylene combination invertible membrane clamp with adjustable stainless steel strainer.

MODEL NO.	NOM. PIPE SIZE	LIST PRICE
Z9A-FD2-4	4 [102]	882.00
OPTIONS	DESCRIPTION	ADD
-FN	4" [102] Round Stainless Steel Funnel	285.00
-P	1/2" [13] Trap Primer Connection	88.00
-R5	5" [127] Diameter Stainless Steel Top Assembly	648.00
-R8	8" [203] Diameter Stainless Steel Top Assembly	648.00
-R10	10" [254] Diameter Stainless Steel Top Assembly	648.00
-SQ5	5" [127] Square Stainless Steel Top Assembly	648.00
-SQ6	6" [152] Square Stainless Steel Top Assembly	648.00
-VP	Vandal Proof	65.00
-W	Winter Closure Plug	100.00
-Y	Stainless Steel Sediment Bucket	65.00

## Z9A-FD4 HEAVY DUTY FLOOR DRAIN



### ENGINEERING SPECIFICATION

ZURN Z9A-FD4 HEAVY DUTY FLOOR DRAIN – Polypropylene body with plain end bottom outlet, polypropylene sediment bucket, polypropylene frame and heavy-duty slotted grate.

MODEL NO.	NOM. PIPE SIZE	LIST PRICE
Z9A-FD4-3	3 [76]	803.00
Z9A-FD4-4	4 [102]	882.00
OPTIONS	DESCRIPTION	ADD
-FN	Polypropylene 3" x 6" [76 x 152] Oval Funnel	138.00
-HD	ARE Cast Iron Grate	698.00
-HDSS	304 SS Cast Grate	POA
-P	1/2" [13] Trap Primer Connection	88.00

## Z9A-FSINK POLYPROPYLENE FLOOR SINK



### ENGINEERING SPECIFICATION

F.R.P.P.-210 ZURN Z9A-FSINK POLYPROPYLENE FLOOR SINK – Flame-retardant polypropylene body with bottom outlet and full grate.

MODEL NO.	'A' CONNECTION	LIST PRICE
Z9A-FSINK-2	2 [51] Socket Connection	803.00
Z9A-FSINK-4	4 [102] Pipe Stub	882.00
OPTIONS	DESCRIPTION	ADD
-DS	Dome Strainer	39.00
-Y	Sediment Bucket	60.00

## Z9A-CO1 ADJUSTABLE FLOOR CLEANOUT



### ENGINEERING SPECIFICATION

ZURN Z9A-CO1 ADJUSTABLE FLOOR CLEANOUT – Polypropylene body with gas and water-tight taper plug complete with stainless steel top assembly with scoriated cover.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	NORM. PIPE SIZE	-F LIST PRICE	-S LIST PRICE
Z9A-CO1-3	3 [76]	595.00	593.00
Z9A-CO1-4	4 [102]	607.00	602.00

## Z9A-CO4 CLEANOUT BODY WITH PLUG



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-CO4 CLEANOUT BODY WITH PLUG – Flame-retardant polypropylene coupling assembly with gas and water-tight polypropylene plug.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	-F LIST PRICE	-S LIST PRICE
Z9A-CO4-112	57.00	52.00
Z9A-CO4-2	76.00	70.00
Z9A-CO4-3	103.00	101.00
Z9A-CO4-4	174.00	170.00
Z9A-CO4-6	227.00	-

## Z9A-CO6 CLEANOUT



### ENGINEERING SPECIFICATION

ASTM-F1412 ZURN Z9A-CO6 CLEANOUT – Flame-retardant polypropylene body with gas and water-tight tapered polypropylene plug.

### OPTIONS

-F Fusion Lock®; -S Stab Lock® Seal

MODEL NO.	-F LIST PRICE	-S LIST PRICE
Z9A-CO6-112	51.00	45.00
Z9A-CO6-2	62.00	56.00
Z9A-CO6-3	115.00	112.00
Z9A-CO6-4	235.00	230.00

## Z9-CS OVAL CUP SINK



### ENGINEERING SPECIFICATION

ZURN Z9-CS OVAL CUP SINK – Constructed of a corrosion-resistant polyolefin that conforms to ASTM-F1412. Complete with integrally molded 1-1/2" NPS threads.

MODEL NO.	OUTLET	BOWL SIZE	RIM SIZE	RIM THICKNESS	LIST PRICE
Z9-CS-63	1-1/2 [38]	6 x 3 [152 x 26]	7 x 3-7/8 [178 x 98]	1/4 [6]	118.00

## Z9-CS ROUND CUP SINK



### ENGINEERING SPECIFICATION

ZURN Z9-CS ROUND CUP SINK – Constructed of a corrosion-resistant polyolefin that conforms to ASTM-F1412. Complete with integrally molded 1-1/2" NPS threads.

MODEL NO.	OUTLET	BOWL SIZE	RIM SIZE	RIM THICKNESS	LIST PRICE
Z9-CS-44	1-1/2 [38]	3-1/4 [83]	4 [102]	1/4 [6]	104.00





**ZURN Z9A-BT BOTTLE TRAP** – Constructed of a corrosion-resistant polyolefin conforming to ASTM-F1412. The 3" deep seal trap is complete with a 1-1/2" loose nut inlet and adjustable tailpiece.

## Z9A-WA WASTE ASSEMBLIES



**ZURN Z9A-WA WASTE ASSEMBLIES** – Constructed of a corrosion-resistant polyolefin that conforms to ASTM-F1412. Complete with backing nut and polyethylene gasket and plug. Use Teflon tape on threads.

## NOTES

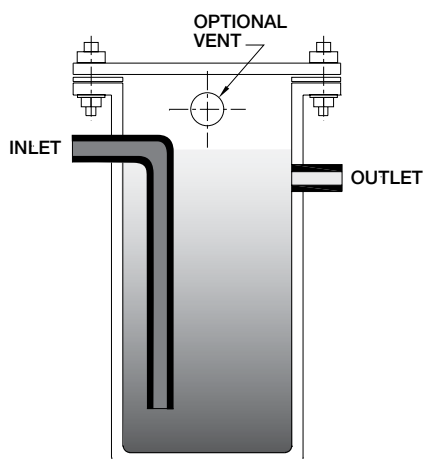
## NEUTRALIZATION TANKS

### GENERAL PRODUCT INFORMATION

The Zurn Neutralization tank is designed to intercept harmful chemicals; dilute and neutralize these wastes and release them to the public sanitation system.

### HOW IT WORKS

The Zurn inlet immediately channels the incoming fluids directly to the bottom of our tank. As the fluids work their way to the outlet, they must first pass through limestone chips filling the tank. Calcium carbonate (the effective ingredient in limestone chips) reacts with acids to form harmless neutral salts, carbon dioxide and water. The neutral salts are transformed into sludge and fall to the bottom of the tank. Carbon dioxide gas mixes with water to form carbonic acid, which helps to neutralize alkaline wastes. The water helps to dilute the acidic, alkaline and solvent wastes. Once neutralized, wastes are discharged to the sewer systems.



### SIZING

American Society of Plumbing Engineers, as well as some national and local codes, have recognized different ways of sizing a neutralization tank. It is advisable to check with local authorities for sizing requirements in your particular locality. Sizing the proper tank for your project is determined by the number of lab sinks discharging through the system. Table A1 illustrates the most widely used sizing method.

### LIMESTONE CHIPS

The limestone chips used in conjunction with neutralization tanks must be in the one to three inch (1" - 3") diameter size range and must contain a high calcium carbonate content in excess of 90%. Table B1 is a useful reference tool in determining the proper amount of limestone needed for the respected tank size.

Note: This guide provides the approximate amount needed for a charge (one filling). Replacement chips will be required as determined by the use of the tank.

Dolomitic limestone should be used for battery acid (sulfuric acid) applications. Consult factory for more information.

### TANK MAINTENANCE

A proper maintenance schedule must be adhered to. If adequate maintenance is not performed, the efficiency of the tank drops off dramatically. A regular maintenance program of one to three months should be observed, more frequent maintenance may be required depending upon volume of waste through the tank.

**TABLE A1: ACIDIC WASTE NEUTRALIZATION TANK SIZING TABLE**

Number of Lab Sinks	Tank Size	
	Gallons	Liters
2	5	18.9
4	15	56.8
8	30	113.6
16	55	208.2
22	75	283.9
27	90	340.7
30	108	408.8
40	150	567.8
50	175	662.4
60	200	757.0
75	275	1040.9
110	360	1362.6
150	500	1898.5
175	550	2081.8
200	650	2460.3
300	1200	4542
500	2000	7570
600	3000	11355
NOTE: For commercial and industrial laboratories, the number of lab sinks should be multiplied by .5 use factor.		

**TABLE B1: AMOUNT POUNDS**

Tank Model No	Approximate Amount Pounds
Z9A-NT-5	50
Z9A-NT-15	100
Z9A-NT-30	200
Z9A-NT-55	500
Z9A-NT-100	1,000
Z9A-NT-150	1,750
Z9A-NT-200	2,500
Z9A-NT-275	3,200
Z9A-NT-500	5,000
Z9A-NT-1200	11,000

⚠ **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)  
⚠ **ADVERTENCIA:** Cáncer y daño reproductivo - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)  
⚠ **AVERTISSEMENT:** Cancer et effets néfastes sur la reproduction - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

For additional product information, please visit [www.zurn.com](http://www.zurn.com).

## Z9A-NT NEUTRALIZATION TANK



### ENGINEERING SPECIFICATION

ZURN Z9A-NT NEUTRALIZATION TANK – \_\_\_\_\_ gallon capacity, having \_\_\_\_\_ inlet, outlet and \_\_\_\_\_ inch vent connections with seamless construction is manufactured from a high-density polyethylene. The top is complete with gasketed, bolt-down cover.

### NOTES

1. Flanged and Female Threaded Connections, POA.
2. Unless otherwise specified, all tanks will be supplied with above sized inlet, outlet and vent.
3. If your installation requires a variation in size, contact your Representative for pricing.
4. pH monitoring system is available upon request. Contact local Zurn representative for further information.
5. Specify Inlet (I), Outlet (O), and Vent (V), if applicable. Please specify the location of your inlet, outlet, and vent connections.

### IMPORTANT

Tank connection must be mechanical joint or threaded connection; cannot be fusion.  
Tanks are non-cancelable and non-returnable, NFA.

MODEL NO.	STD. INLET/OUTLET	OUTLET TYPE	VENT	LIST PRICE
Z9A-NT-05	1-1/2 [38] or 2 [51]	Plain End	1-1/2 [38] or 2 [51]	POA
Z9A-NT-15	1-1/2 [38] or 2 [51]	Plain End	1-1/2 [38] or 2 [51]	POA
Z9A-NT-30	3 [76]	Plain End	2 [51]	POA
Z9A-NT-55	4 [102]	Plain End	3 [76]	POA
Z9A-NT-100	4 [102]	Plain End	3 [76]	POA
Z9A-NT-150	4 [102]	Plain End	3 [76]	POA
Z9A-NT-175	4 [102]	Plain End	3 [76]	POA
Z9A-NT-200	4 [102]	Plain End	3 [76]	POA
Z9A-NT-275	4 [102]	Plain End	3 [76]	POA
Z9A-NT-500	4 [102]	Plain End	3 [76]	POA
Z9A-NT-1200	4 [102]	Plain End	3 [76]	POA
OPTIONS	DESCRIPTION			ADD
Z9-MAC-24	24 x 24 [610 x 610] Manhole Access Cover – Use with NT-05			POA
Z9-MAC-30	30 x 30 [762 x 762] Manhole Access Cover – Use with NT-15 to NT-30			POA
Z9-MAC-36	36 x 36 [914 x 914] Manhole Access Cover – Use with NT-55			POA
Z9-MAC-42	42 x 42 [1067 x 1067] Manhole Access Cover – Use with NT-100 to NT-175			POA
Z9-MAC-48	48 x 48 [1219 x 1219] Manhole Access Cover – Use with NT-200 to NT-300			POA
Z9-MAC-54	54 x 54 [1372 x 1372] Manhole Access Cover – Use with NT-275			POA
Z9-MAC-60	60 x 60 [1524 x 1524] Manhole Access Cover – Use with NT-350, NT-550, NT-650			POA
Z9-LIME-CHIPS	50 lb. [23 kg] bag Standard Limestone Chips (See previous page for proper quantity.)			POA

## Z9A-DT 1.5 GALLON DILUTION TANK



### ENGINEERING SPECIFICATION

ZURN Z9A-DT 1.5 GALLON DILUTION TANK – Removable, bolted gasket cover. Tank is constructed of high-density polyethylene.

### NOTE

Neutralization tanks and dilution traps are non-cancelable and non-returnable.

MODEL NO.	INLET/OUTLET	LIST PRICE
Z9A-DT-1	1-1/2 [38]	541.00
Z9A-DT-2	2 [51]	541.00

## NEUTRALIZATION CARTRIDGE

### GENERAL PRODUCT INFORMATION

The PHIX cartridge is a safe, effective solution for neutralizing acidic wastewater. Conveniently installed under the sink by replacing the P-trap, the PHIX cartridge neutralizes acid at the source. The PHIX cartridge is designed for applications with limited space such as school laboratories, healthcare facilities, maintenance sinks and commercial rinse sinks.

### HOW IT WORKS

The PHIX cartridge uses PHIX Media, to neutralize acidic wastewater in 30 seconds to 1 minute flow through. Acidic waste water travels down the sink and into the center column of the PHIX cartridge where it is neutralized by the PHIX media before traveling out the drain pipe outlet to the sewer system.

### SIZING

One PHIX cartridge can accommodate up two sinks

### PHIX MEDIA MAINTENANCE

To ensure proper acid neutralization the PHIX Media in the PHIX Cartridge System must be monitored at regular intervals to determine replacement according to the following guidelines.

USAGE	MONITORING FREQUENCY
Constant use, highly acidic wastewater	Quarterly (every three months)
Moderate use, mixed acidic and basic wastewater	Biannually (twice a year)
Low use, mildly acidic wastewater	Annually (once a year)

Monitoring of the acid neutralization effectiveness can be easily accomplished by sampling the PHIX Cartridge outlet stream with litmus paper. During installation, a sampling port should be installed on the outlet side, downstream of the PHIX Cartridge.

Custom automatic pH monitoring is available. Contact 855-ONE-ZURN for additional information.



⚠ **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)  
⚠ **ADVERTENCIA:** Cáncer y daño reproductivo - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)  
⚠ **AVERTISSEMENT:** Cancer et effets néfastes sur la reproduction - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

For additional product information, please visit [www.zurn.com](http://www.zurn.com).

**Z9A-PHIX UNDER SINK ACID NEUTRALIZATION CARTRIDGE SYSTEM**



**ENGINEERING SPECIFICATION**

Point of use application, replacing standard P-trap. Includes industrial strength glass-filled polypropylene body with a 1-1/2" [38mm] compression fitting inlet and 1-1/2" [38mm] no-hub outlet, removable upper neutralization chamber, and lower sediment collection chamber.

MODEL NO.	INLET	OUTLET	LIST PRICE
Z9A-PHIX	1-1/2"	1-1/2"	2,949.00



The PHIX Cartridge System includes the cartridge, brass nut and compression ring, siphon, hose, support bracket, drainage pail, two bags of PHIX Media and a 10 year warranty.

**Z9-PHIX-MEDIA PHIX MEDIA 5 GALLON PAIL**



**ENGINEERING SPECIFICATION**

PHIX Media is a non-hazardous, non-WHIMIS material used to neutralize acid in the PHIX cartridge and can be used to replace limestone in existing neutralization tanks. PHIX Media is a safe alternative to limestone and does not require special handling or storage.

MODEL NO.	LIST PRICE
Z9-PHIX-MEDIA	300.00

NOTES

POLYPROPYLENE

NEUTRALIZATION TANKS

NEUTRALIZATION CARTRIDGE

PVDF

TOOLS



## PVDF PIPE AND FITTINGS

### GENERAL PRODUCT INFORMATION

As a result of changing design practices, specifically the use of open spaces between the floor and the ceiling beneath for return-air applications (in lieu of traditional duct work), there has become a great need for a thermoplastic that could offer the chemical resistance of polypropylene while conforming to the stringent smoke and flame spread requirements of ASTM E84 and UL 723. The thermoplastic that has become widely accepted for this application is polyvinylidene fluoride (PVDF).

PVDF, a fluoropolymer material, is chemically resistant to most acids, bases, organic solvents and halogens. Maintaining most of its strength from -40°F to 280°F, no other thermoplastic can approach the combination of strength, chemical resistance and working temperature of PVDF.

Joined together utilizing Zurn's patented dual-purpose fitting (either mechanical groove or stab lock), our system offers an easy-to-install, trouble-free alternative to high silicon iron, glass, and fiberglass wrap that have been used in the past!



### APPLICATIONS

- Plenum use
- High-temperature corrosive waste drainage

## Z9-PVDF40 PVDF PIPE SCHEDULE 40



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Classified ZURN Z9-PVDF40 – Schedule 40 polyvinylidene fluoride pipe.

MODEL NO.	NOM. PIPE SIZE	LIST PRICE
Z9-PVDF40-112	1-1/2 [38]	613.00
Z9-PVDF40-2	2 [51]	831.00
Z9-PVDF40-3	3 [76]	1,695.00
Z9-PVDF40-4	4 [102]	2,396.00

## Z9A-PC PVDF COUPLING



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Classified ZURN Z9A-PC COUPLING – Polyvinylidene fluoride coupling assembly.

### OPTIONS

-S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-S LIST PRICE
Z9A-PC-2	2 [51]	60.00
Z9A-PC-3	3 [76]	66.00
Z9A-PC-4	4 [102]	109.00

## Z9A-PE90 PVDF 90° ELBOW



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Classified ZURN Z9A-PE90 90° ELBOW – Threaded x threaded polyvinylidene fluoride 90° elbow fitting.

### OPTIONS

-S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-S LIST PRICE
Z9A-PE90-112	1-1/2 [38]	104.00
Z9A-PE90-2	2 [51]	147.00
Z9A-PE90-3	3 [76]	328.00
Z9A-PE90-4	4 [102]	615.00

## Z9A-PLS90 PVDF LONG SWEEP 90° ELBOW



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Classified ZURN Z9A-PLS90 LONG SWEEP ELBOW – Threaded x threaded polyvinylidene fluoride 90° elbow fitting.

### OPTIONS

-S Stab Lock® Seal

### NOTE

\*One-piece molded.

MODEL NO.	NOM. PIPE SIZE	-S LIST PRICE
Z9A-PLS90-112*	1-1/2 [38]	114.00
Z9A-PLS90-2*	2 [51]	162.00

## Z9A-PE45 PVDF 45° ELBOW – THREAD X THREAD



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Classified ZURN Z9A-PE45 45° ELBOW – Threaded x threaded polyvinylidene fluoride 45° elbow fitting assembly.

### OPTIONS

-S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-S LIST PRICE
Z9A-PE45-112	1-1/2 [38]	90.00
Z9A-PE45-2	2 [51]	106.00
Z9A-PE45-3	3 [76]	303.00
Z9A-PE45-4	4 [102]	507.00

## Z9A-PE45S PVDF STREET 45° ELBOW – SOCKET X SPIGOT



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Classified ZURN Z9A-PE45S STREET 45° ELBOW – Socket x spigot polyvinylidene fluoride 45° elbow fitting assembly.

### OPTIONS

-S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-S LIST PRICE
Z9A-PE45S-112	1-1/2 [38]	90.00
Z9A-PE45S-2	2 [51]	106.00

## Z9A-PT PVDF SANITARY TEE



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Classified ZURN Z9A-PT SANITARY TEE – Polyvinylidene fluoride sanitary tee fitting assembly.

### OPTIONS

-S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-S LIST PRICE
Z9A-PT-2	2 [51]	251.00
Z9A-PT-3	3 [76]	464.00
Z9A-PT-4	4 [102]	767.00



Z9A-PTT

## Z9A-PTR PVDF REDUCING SANITARY TEE



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Classified ZURN Z9A-PTR REDUCING SANITARY TEE – Polyvinylidene fluoride reducing sanitary tee fitting assembly.

### OPTIONS

-S Stab Lock® Seal

### NOTE

\*One-piece molded.

MODEL NO.	NOM. PIPE SIZE	-S LIST PRICE
Z9A-PTR-2 X 112*	2 [51]	237.00
Z9A-PTR-3 X 112	3 [76]	279.00
Z9A-PTR-3 X 2	3 [76]	344.00
Z9A-PTR-4 X 112	4 [102]	1,465.00
Z9A-PTR-4 X 2	4 [102]	1,465.00



Z9A-PTTR

## Z9A-PTC PVDF CLEANOUT TEE



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Classified ZURN Z9A-PTC CLEANOUT SANITARY TEE – Polyvinylidene fluoride cleanout tee fitting assembly.

### OPTIONS

-S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-S LIST PRICE
Z9A-PTC-2	2 [51]	288.00
Z9A-PTC-3	3 [76]	545.00
Z9A-PTC-4	4 [102]	953.00

## Z9A-PY PVDF 45° WYE



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Classified ZURN Z9A-PY 45° WYE – Polyvinylidene fluoride 45° wye fitting assembly.

### OPTIONS

-S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-S LIST PRICE
Z9A-PY-112	1-1/2 [38]	147.00
Z9A-PY-3	3 [76]	513.00
Z9A-PY-4	4 [102]	815.00

## Z9A-PYR PVDF REDUCING WYE



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Classified ZURN Z9A-PYR REDUCING WYE – Polyvinylidene fluoride reducing 45° wye fitting assembly.

### OPTIONS

-S Stab Lock® Seal

### NOTE

\*One-piece molded.

MODEL NO.	NOM. PIPE SIZE	-S LIST PRICE
Z9A-PYR-3 X 112*	3 [76]	325.00
Z9A-PYR-3 X 2*	3 [76]	325.00
Z9A-PYR-4 X 112	4 [102]	705.00
Z9A-PYR-4 X 2	4 [102]	705.00
Z9A-PYR-4 X 3	4 [102]	704.00

## Z9A-PYY PVDF 45° DOUBLE WYE



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Classified ZURN Z9A-PYY 45° DOUBLE WYE – Polyvinylidene fluoride double wye fitting assembly.

### OPTIONS

-S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-S LIST PRICE
Z9A-PYY-112	1-1/2 [38]	251.00
Z9A-PYY-2	2 [51]	486.00
Z9A-PYY-3	3 [76]	799.00
Z9A-PYY-4	4 [102]	1,029.00

## Z9A-PYYR PVDF REDUCING DOUBLE WYE



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Classified ZURN Z9A-PYYR REDUCING DOUBLE WYE – Polyvinylidene fluoride fitting assembly.

### OPTIONS

-S Stab Lock® Seal

### NOTE

\*One-piece molded.

MODEL NO.	NOM. PIPE SIZE	-S LIST PRICE
Z9A-PYYR-2X112	2 [51]	638.00
Z9A-PYYR-3X112*	3 [76]	822.00
Z9A-PYYR-3X2*	3 [76]	836.00
Z9A-PYYR-4X112	4 [102]	1,565.00
Z9A-PYYR-4X2	4 [102]	1,584.00

## Z9A-PRED PVDF REDUCING BUSHING



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Classified ZURN Z9A-PRED REDUCING BUSHING – Polyvinylidene fluoride reducing fitting assembly.

### OPTIONS

-S Stab Lock® Seal

MODEL NO.	REDUCER SIZE	-S LIST PRICE
Z9A-PRED-2X112	2 x 1-1/2 [51 x 38]	70.00
Z9A-PRED-3X112	3 x 1-1/2 [76 x 38]	138.00
Z9A-PRED-3X2	3 x 2 [76 x 51]	163.00
Z9A-PRED-4X112	4 x 1-1/2 [102 x 38]	181.00
Z9A-PRED-4X2	4 x 2 [102 x 51]	231.00

## Z9A-PMA PVDF MALE THREAD ADAPTER



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Classified ZURN Z9A-PMA MALE ADAPTER – Polyvinylidene fluoride male adapter fitting assembly. Use Teflon tape on threads.

### OPTIONS

-S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-S LIST PRICE
Z9A-PMA-112	1-1/2 [38]	58.00
Z9A-PMA-2	2 [51]	78.00
Z9A-PMA-3	3 [76]	165.00
Z9A-PMA-4	4 [102]	219.00

## Z9A-PFA PVDF FEMALE THREAD ADAPTER – NPT



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Classified ZURN Z9A-PFA FEMALE THREAD ADAPTER – Polyvinylidene fluoride female thread adapter fitting assembly. Use Teflon tape on threads.

### OPTIONS

-S Stab Lock® Seal

### NOTES

All sizes also available in straight thread.  
Designate Z9A-PFAS when ordering.

MODEL NO.	NOM. PIPE SIZE	-S LIST PRICE
Z9A-PFA-112	1-1/2 [38]	58.00
Z9A-PFA-2	2 [51]	78.00
Z9A-PFA-3	3 [76]	165.00
Z9A-PFA-4	4 [102]	219.00

## Z9A-PIA PVDF IRON PIPE ADAPTER – (MJ)



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Classified ZURN Z9A-PIA IRON PIPE ADAPTER – Polyvinylidene fluoride iron pipe mechanical joint adapter fitting assembly.

### OPTIONS

-S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-S LIST PRICE
Z9A-PIA-112	1-1/2 [38]	115.00
Z9A-PIA-3	3 [76]	329.00

## Z9A-PULOOP U-LOOP



### ENGINEERING SPECIFICATION

ASTM-F1412, F.R.P.P. - 210 ZURN Z9A-PULOOP– Flame-retardant polypropylene fitting assembly.

MODEL NO.	INLET/OUTLET	-S LIST PRICE
Z9A-PULOOP-112	1-1/2 [38]	228.00
Z9A-PULOOP-2	2 [51]	315.00

## Z9-PNUT PVDF LOCKING NUT



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Classified ZURN Z9-PNUT LOCKING NUT – Polyvinylidene fluoride locking nut used in both fusion lock and mechanical joint installations.

MODEL NO.	NOM. PIPE SIZE	LIST PRICE
Z9-PNUT-112	1-1/2 [38]	25.00
Z9-PNUT-2	2 [51]	32.00
Z9-PNUT-3	3 [76]	92.00
Z9-PNUT-4	4 [102]	121.00

## Z9-PPLUG PVDF CLEANOUT PLUG



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Classified ZURN Z9-PPLUG CLEANOUT PLUG – Polyvinylidene fluoride plug used with fitting. No seal required.

MODEL NO.	NOM. PIPE SIZE	LIST PRICE
Z9-PPLUG-112	1-1/2 [38]	20.00
Z9-PPLUG-2	2 [51]	30.00
Z9-PPLUG-3	3 [76]	53.00
Z9-PPLUG-4	4 [102]	89.00

## Z9A-PFD1 PVDF ADJUSTABLE FLOOR DRAIN



### ENGINEERING SPECIFICATION

ZURN Z9A-PFD1 ADJUSTABLE FLOOR DRAIN – Polyvinylidene fluoride body with bottom outlet and adjustable stainless steel strainer.

### OPTIONS

-S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-S LIST PRICE
Z9A-PFD1-3	3 [76]	599.00
OPTIONS	DESCRIPTION	ADD
-FN	4" [102] Round Stainless Steel Funnel	285.00
-VP	Vandal Proof	65.00

## Z9A-PFD2 ADJUSTABLE FLOOR DRAIN



### ENGINEERING SPECIFICATION

ZURN Z9A-PFD2 ADJUSTABLE FLOOR DRAIN – Polyvinylidene fluoride body with plain end bottom outlet and combination invertible membrane clamp with adjustable stainless steel strainer.

MODEL NO.	NOM. PIPE SIZE	LIST PRICE
Z9A-PFD2-3	3 [76]	961.00
Z9A-PFD2-4	4 [102]	1,086.00
OPTIONS	DESCRIPTION	ADD
-FN	4" [102] Round Stainless Steel Funnel	285.00
-P	1/2" [13] Trap Primer Connection	88.00
-R5	5" [127] Diameter Stainless Steel Top Assembly	648.00
-R8	8" [203] Diameter Stainless Steel Top Assembly	648.00
-R10	10" [254] Diameter Stainless Steel Top Assembly	648.00
-SQ5	5" [127] Square Stainless Steel Top Assembly	648.00
-SQ6	6" [152] Square Stainless Steel Top Assembly	648.00
-VP	Vandal Proof	65.00
-W	Winter Closure Plug	100.00
-Y	Stainless Steel Sediment Bucket	65.00

## Z9A-PCO1 PVDF ADJUSTABLE CLEANOUT



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Listed ZURN Z9A-PCO1 PVDF ADJUSTABLE CLEANOUT – Polyvinylidene fluoride body with gas and water-tight taper plug complete with stainless steel top assembly with scoriae cover.

### OPTIONS

-S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-S LIST PRICE
Z9A-PCO1-3	3 [76]	623.00
Z9A-PCO1-4	4 [102]	698.00

## Z9A-PCO4 PVDF CLEANOUT BODY WITH PLUG



### ENGINEERING SPECIFICATION

ASTM-F1673, UL Listed ZURN Z9A-PCO4 CLEANOUT BODY WITH PLUG – Polyvinylidene fluoride coupling assembly with gas and water-tight PVDF plug.

### OPTIONS

-S Stab Lock® Seal

MODEL NO.	NOM. PIPE SIZE	-S LIST PRICE
Z9A-PCO4-2	2 [51]	288.00
Z9A-PCO4-3	3 [76]	560.00
Z9A-PCO4-4	4 [102]	955.00



## NOTES

POLYPROPYLENE

NEUTRALIZATION TANKS

NEUTRALIZATION CARTRIDGE

PVDF

TOOLS

For additional product information, please visit [www.zurn.com](http://www.zurn.com).

## Z9-GRVR GROOVING TOOL FOR MECHANICAL JOINT INSTALLATIONS



### ENGINEERING SPECIFICATION

ZURN Z9-GRVR GROOVING TOOL – Pipe grooving tool for mechanical joint system.

MODEL NO.	NOM. PIPE SIZE	LIST PRICE
Z9-GRVR-112	1-1/2 [38]	76.00
Z9-GRVR-2	2 [51]	104.00
Z9-GRVR-3	3 [76]	271.00
Z9-GRVR-4	4 [102]	315.00
OPTIONS	DESCRIPTION	ADD
Z9-RKRB-1122	Replacement Blade for 1-1/2" [38] and 2" [51] Unit	32.00
Z9-RKRB-34	Replacement Blade for 3" [76] and 4" [102] Unit	38.00

## Z9-SPAN SPANNER WRENCH



### ENGINEERING SPECIFICATION

ZURN Z9-SPAN SPANNER WRENCH – Nut wrench for Fusion Lock®, Stab Lock®, and mechanical joint systems.

MODEL NO.	NOM. PIPE SIZE	LIST PRICE
Z9-SPAN-112 x 2	1-1/2 [38] and 2 [51]	35.00
Z9-SPAN-3 x 4	3 [76] and 4 [102]	67.00

## Z9-SPAN SPANNER WRENCH



### ENGINEERING SPECIFICATION

ZURN Z9-SPAN SPANNER WRENCH – Zinc plated steel with vinyl grip for installation and removal of fitting nuts.

MODEL NO.	NOM. PIPE SIZE	LIST PRICE
Z9-SPAN-6	6 [152]	97.00

## Z9-PCT QUICK-RELEASE CUTTERS



### ENGINEERING SPECIFICATION

ZURN QUICK-RELEASE CUTTERS – For small, medium and large-diameter plastic pipe.

MODEL NO.	NOM. PIPE SIZE	PIPE OUTSIDE DIAMETER	LIST PRICE
Z9-PCT-6	4 [102] to 6 [152]	4 [102] to 6-5/8 [168]	554.00

## Z9-DEB4 CHAMFER TOOL



### ENGINEERING SPECIFICATION

ZURN DEBURRING TOOLS – For deburring inner and outer edges of plastic pipe.

MODEL NO.	TYPE	NOM. PIPE SIZE	LIST PRICE
Z9-DEB4	3.32" 15° Chamfer	1-1/4 [32], 1-1/2 [38], 2 [51], 2-1/2 [64], 3 [76], 4 [102]	291.00

## Z9A-WELDER ZURN POLYPROPYLENE ELECTRO FUSION MACHINE



### ENGINEERING SPECIFICATION

ZURN POLYPROPYLENE ELECTRO FUSION MACHINE – Complete with three jumper cables and case.

### ORDERING INFORMATION

Please contact Zurn customer care at 1.855.663.9876 for rental information.

For additional product information, please visit [www.zurn.com](http://www.zurn.com).

## NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

## NOTES

## NOTES

[illegible]

## NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



## GENERAL TERMS AND CONDITIONS

### PRICE AND TERMS OF PAYMENT

Terms are net, payable 30 days from date of invoice. All pricing in U.S. currency. The Buyer shall pay all sales, consumers, or other applicable taxes. A 1-1/2% monthly (18% annual) service charge will be added to the outstanding balance of all past due invoices.

Minimum invoice \$100.00. Zurn Industries, LLC ("Zurn") reserves the right to apply a minimum order charge in order to meet the \$100.00 minimum invoice requirement. All orders are subject to credit approval by the Zurn Credit Department prior to the acceptance of an order. Orders may be refused, delivery may be withheld, or shipment stopped in transit without any liability on Zurn's part at Zurn's sole discretion based upon Buyer's credit worthiness as determined by Zurn.

### FREIGHT

Zurn Canada is pleased to provide an industry-leading \$3,500 combined prepaid freight amount, not including Zurn Green Turtle product sales.

All sales are F.O.B. seller's location. Routing of shipment shall be determined at the sole discretion of Zurn. Shipping dates are estimates and time of delivery shall not be of the essence of this sale contract. Under no circumstances will the Seller have any responsibility on account of any delays in manufacture, transportation, or otherwise.

**NOTE:** Any product dimension larger than 92. or any single item weighing more than 3,500 lb, shall be defined as an oversized and/or overweight product and Zurn's standard FFA terms may not apply. Please contact our customer service department for guidance on potential additional shipping charges.

These charges and restrictions apply in addition to Zurn standard terms and conditions for sale unless otherwise agreed upon by the parties.

### LIMITED WARRANTY

Zurn goods sold hereunder are warranted to be free from defects in material and factory workmanship for the period of time from the date of purchase: AquaVantage® Flush Valves, AquaFlush® Flush Valves, Commercial Fixtures, Faucets, Showers, and Tubular Brass: three years; Chemical Drainage, Trench Drainage, Commercial Drainage, Specification Drainage, Zurn Wilkins, and Flush Valve and Tubular Brass decorative finishes: one year, PHIX® Cartridge ten years. Where permitted by law, **THE IMPLIED WARRANTY OF MERCHANTABILITY IS LIMITED TO THE ABOVE IDENTIFIED PERIOD OF TIME AND SHALL BE LIMITED SOLELY TO THE REPLACEMENT OF THE DEFECTIVE GOODS.** A damaged/broken test cock or ball valve is not considered defective. Please contact Zurn Customer Care for assistance.

Zurn will replace goods at no cost that prove defective provided Zurn is notified in writing of such defect and the goods are returned prepaid at the specified Zurn location with evidence that they have been properly maintained and used in accordance with instructions. **ZURN SHALL NOT BE RESPONSIBLE FOR ANY LABOR CHARGES OR ANY LOSS, INJURY, OR DAMAGES WHATSOEVER, INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES.** The sole and exclusive remedy shall be limited to the replacement of the defective goods. Before installation and use, the purchaser shall determine the suitability of the product for his intended use and the purchaser assumes all risk and liability whatever in the connection therewith. All weights stated in Zurn catalogs and lists are approximate and are not guaranteed.

### RETURNED GOODS

Standard cataloged material may be returned only with written permission of Zurn. Returned goods are subject to a 25% restocking charge of total saleable material returned, plus cost of reconditioning, if necessary, to make material sellable. Transportation charges are the responsibility of the Buyer. The value of the return must total at least \$100.00 to qualify for credit allowance. No credit will be allowed for parts unless originally ordered and invoiced as parts. No credit will be allowed for discontinued or made-to-order items. Items that have been specially made are not subject to return or cancellation except by special negotiation. Material must be returned within one year of invoice date for credit to be issued for Chemical Drainage, Trench Drainage, and Commercial Drainage. Material must be returned within two years of invoice date for credit to be issued for Commercial Fixtures, Flush Valve Products, Specification Drainage, Tubular Brass, and Zurn Wilkins. No credit is allowed for Trench Drainage products that have been cut and Specification Drainage product with auxiliary tappings. Flush Valve material over two years old will be subject to a 50% handling charge. Flush Valve material over five years old will not be accepted. Commercial Drainage and Specification Drainage galvanized material will be credited at value of Dura-Coated cast iron, and chrome plated at value of bronze. Zurn Wilkins damaged/broken test cocks or ball valves are not considered defective.

### ILLUSTRATIONS OF TYPICAL INSTALLATIONS

The typical installations for various products found in each product section are intended to illustrate the products and potential options for the use of these products. Under no circumstances are they to be construed as recommended installation procedures. Consult local codes and project specifications for proper installation instructions.

### SHORTAGE/DAMAGE CLAIMS

Notification of material shortages or incorrect filling of orders must be made to Zurn within 10 days of receipt. No claims over three months old will be honored. Buyer agrees to make all complaints for damage in transit or "short count" directly to the carrier; before the contents are unloaded have the carrier agent's acknowledgment of such damage noted on the bill of lading and to present to the carrier its agent's acknowledgment of such damaged material with formal claim covering said damage.

### GENERAL

Zurn reserves the right to make changes in design or equipment of any item or product without incurring any obligation on previously sold items, and to discontinue items at any time, without notice. Possession of this Catalog or other sales literature is not to be construed as an offer to sell. All orders are subject to acceptance by Zurn. Catalog printed in U.S.A.

Zurn flush valves are designed to comply with Army Corp of Engineers and Naval guide specifications, Military Specification MIL.V.29193 and Federal Specification WWP541.

Zurn flush valves comply with the following standards: ASME A112.18.1/CSA B125.1, A112.19.5, A112.19.2, A112.19.6, ASSE 1037 and 101 are listed by the following agencies: Canadian Standards, IAPMO/UPC/CUPC, and CSA 125.3. Zurn flush valves are manufactured from dezincification resistant alloys. For additional compliances, contact Zurn Industries, LLC, Commercial Brass Operation, or 1-800-997-3876.

Zurn is not responsible for typographical errors. The contents of this guide are subject to revision without notice.

© 2018 Zurn Industries, LLC Items in this Guide are covered by Patents and Patents Pending. Registered Trademarks.

⚠ **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)  
⚠ **ADVERTENCIA:** Cáncer y daño reproductivo - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)  
⚠ **AVERTISSEMENT:** Cancer et effets néfastes sur la reproduction - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**Zurn Industries, LLC**

511 West Freshwater Way  
Milwaukee, WI 53204

**Zurn Industries, LLC** Specification Drainage Operation

1801 Pittsburgh Avenue  
Erie, PA 16502, 855.663.9876

In Canada

**Zurn Industries Limited**

7900 Goreway Drive, Unit 10  
Brampton, ON L6T 5W6, 877.892.5216

[ZURN.COM](http://ZURN.COM) US 1.855.ONE.ZURN CANADA 1.877.892.5216

