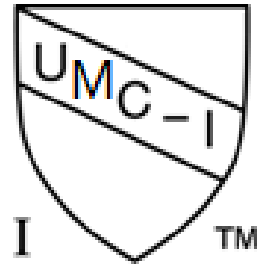


IAPMO India

No. 22, 12th "B" Main, HAL 2nd Stage, Indiranagar, Bengaluru, Karnataka, India 560008 +91 80 30714500



CERTIFICATE OF LISTING

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Licensee: Viega Technology GmbH & Co. KG, Viega Platz 1, Attendorn, NRW, Germany 57439

File No: IN-M1012 Product: Copper, Copper Alloy Fittings (Press Type) Effective Date: September 2018 Void After: September 2019

IDENTIFICATION: Each fitting shall be permanently marked with the manufacturer's name or trademark, nominal size or sizes, legend "PW" or "Potable Water" when intended for potable water applications, and the UMC-ITM certification mark.

CHARACTERISTICS: Copper and copper alloy press type fittings with rubber O-rings. The press joint is made with a special hydraulic compression tool. To be installed in accordance with the manufacturer's instructions and the latest edition of the Uniform Mechanical Code - India. Products comply with the applicable sections of the latest edition of the Uniform Mechanical Code - India. Manufactured in compliance with IAPMO PS 117-2016^{e1}. Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to applicable requirements of ISO/IEC 17025.

K. Chandrasekhar

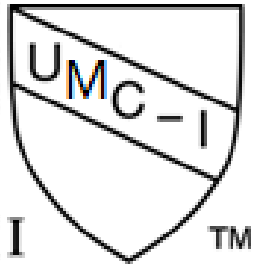
**Dr. K. Chandrasekhar
IAPMO India**

Russ Chaney

**GP Russ Chaney
CEO, The IAPMO Group**

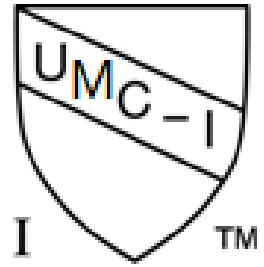


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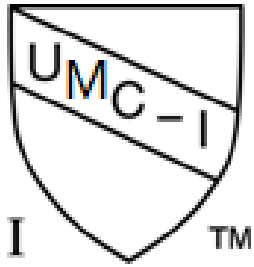
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File No: IN-M1012 Product: Copper, Copper Alloy Fittings (Press Type) Effective Date: September 2018 Void After: September 2019

MODELS:

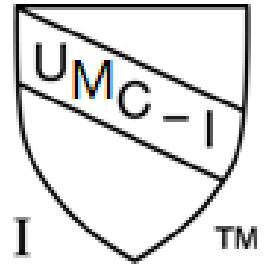
Model #	Description	Dimension	Material
2211	Straight, Press X Male NPT	12	Bronze (gunmetal) CC499K or Silicon Bronze –CC246E (CuSi4Zn9MnP)
		15	
		18	
		22	
		28	
		35	
		42	
2212	Straight, Press X Female NPT	12	Bronze (gunmetal) CC499K or Silicon Bronze –CC246E (CuSi4Zn9MnP)
		15	
		18	
		22	
		28	
		35	
		42	
2214.2	Elbow, Press X Press	12	Bronze (gunmetal) CC499K or Silicon Bronze –CC246E (CuSi4Zn9MnP)
		15	
		18	
		22	
		28	
		35	
		42	
54			

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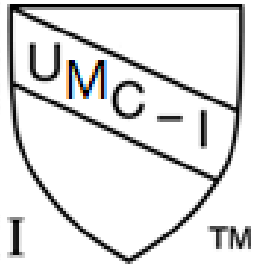
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File No: IN-M1012 Product: Copper, Copper Alloy Fittings (Press Type) Effective Date: September 2018 Void After: September 2019

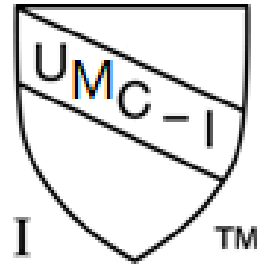
Model #	Description	Dimension	Material
2215	Straight, Press X Press	12	Bronze (gunmetal) CC499K or Silicon Bronze –CC246E (CuSi4Zn9MnP)
		15	
		18	
		22	
		28	
		35	
		42	
54			
2225.5	Elbow with mounting bracket, Press X Female NPT	12	Bronze (gunmetal) CC499K or Silicon Bronze –CC246E (CuSi4Zn9MnP)
		15	
		18	
		22	
		28	
		35	
		42	
54			

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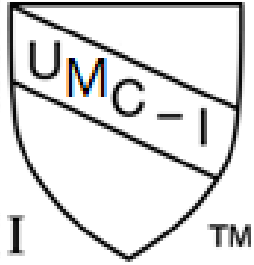
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File No: IN-M1012 Product: Copper, Copper Alloy Fittings (Press Type) Effective Date: September 2018 Void After: September 2019

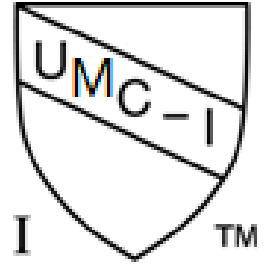
Model #	Description	Dimension	Material
2214	bend 90°	12 X 3/8 12 X 1/2 15 X 3/8 15 X 1/2 15 X 3/4 18 X 1/2 18 X 3/4 28 X 1 35 X 1 1/4 42 X 1 1/2 54 X 2	Bronze (gunmetal) CC499K or Silicon Bronze –CC246E (CuSi4Zn9MnP)
22141	elbow 90°	15 X 1/2	Bronze (gunmetal) CC499K or Silicon Bronze –CC246E (CuSi4Zn9MnP)

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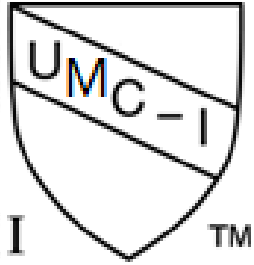
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File No: IN-M1012 Product: Copper, Copper Alloy Fittings (Press Type) Effective Date: September 2018 Void After: September 2019

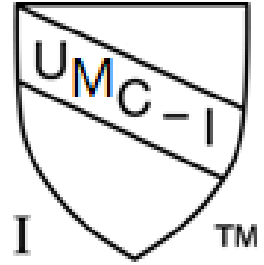
Model #	Description	Dimension	Material
22142	elbow 90°	12 X 3/8 12 X 1/2 15 X 3/8 15 X 1/2 15 X 3/4 18 X 1/2 18 X 3/4 22 X 1/2 22 X 3/4 22 X 1 28 X 1/2 28 X 3/4 28 X 1 35 X 1 1/4 42 X 1 1/2 54 X 2	Bronze (gunmetal) CC499K or Silicon Bronze –CC246E (CuSi4Zn9MnP)
22143	Plug-in elbow 90°	15 X 1/2	Bronze (gunmetal) CC499K or Silicon Bronze –CC246E (CuSi4Zn9MnP)

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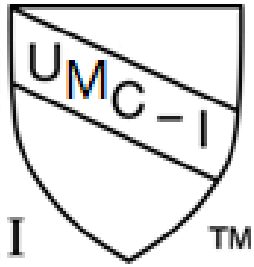
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File No: IN-M1012 Product: Copper, Copper Alloy Fittings (Press Type) Effective Date: September 2018 Void After: September 2019

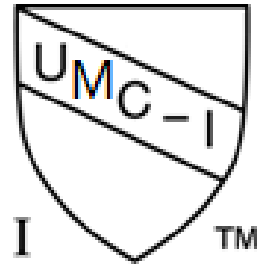
Model #	Description	Dimension	Material
2416	bend 90°	12	copper (Cu)
		15	
		18	
		22	
		28	
		35	
		42	
54			
24161	bend 90°	12	copper (Cu)
		15	
		18	
		22	
		28	
		35	
		42	
54			
24161XL	bend 90°	64	copper (Cu)
		66,7	
		76,1	
		88,9	
		108	

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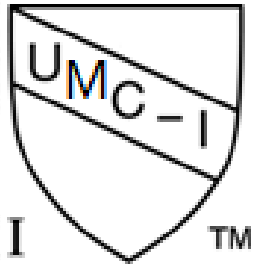
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File No: IN-M1012 Product: Copper, Copper Alloy Fittings (Press Type) Effective Date: September 2018 Void After: September 2019

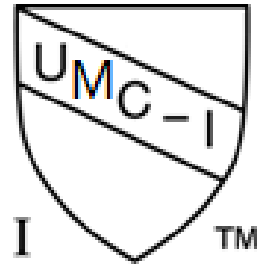
Model #	Description	Dimension	Material
24162	bend 90°	15 X 12	copper (Cu)
2416XL	bend 90°	64 66,7 76,1 88,9 108	copper (Cu)
2426	bend 45°	12 15 18 22 28 35 42 54	copper (Cu)
24261	bend 45°	12 15 18 22 28 35 42 54	copper (Cu)

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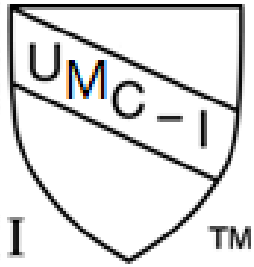
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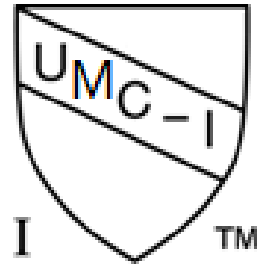
Model #	Description	Dimension	Material
24261XL	bend 45°	64 66,7 76,1 88,9 108	copper (Cu)
24262	bend	15 X 12	copper (Cu)
2426XL	bend	64 66,7 76,1 88,9 108	copper (Cu)
2427	surpass bend	12 15 18 22	copper (Cu)
2428	surpass bend	15 18 22	copper (Cu)
944770 713	elbow	1/2 3/4 1	Bronze (gunmetal) CC499K or Silicon Bronze –CC246E (CuSi4Zn9MnP)

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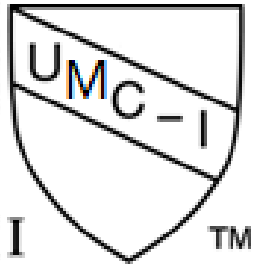
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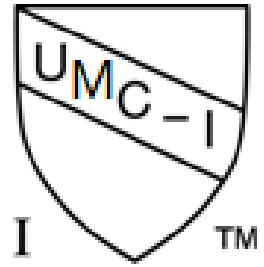
Model #	Description	Dimension	Material
2211	Adapter piece	12 X 3/8	Bronze (gunmetal) CC499K or Silicon Bronze –CC246E (CuSi4Zn9MnP))
		12 X 1/2	
		15 X 3/8	
		15 X 1/2	
		15 X 3/4	
		18 X 1/2	
		18 X 3/4	
		22 X 1/2	
		22 X 3/4	
		22 X 1	
		28 X 3/4	
		28 X 1	
		28 X 1 1/4	
		35 X 1	
		35 X 1 1/4	
35 X 1 1/2			
42 X 1 1/4			
42 X 1 1/2			
54 X 1 1/2			
54 X 2			

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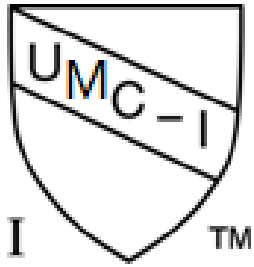
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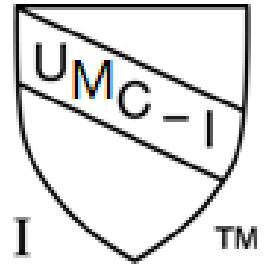
Model #	Description	Dimension	Material
22111	plug piece	12 X 1/2 15 X 1/2 18 X 1/2 18 X 3/4 22 X 1/2 22 X 3/4 28 X 1 35 X 11/4 42 X 11/2	Bronze (gunmetal) CC499K or Silicon Bronze –CC246E (CuSi4Zn9MnP)
24172XL	t-piece	64 X 3/4 X 64 64 X 1 X 64 76,1 X 3/4 X 76,1 76,1 X 2 X 76,1 88,9 X 3/4 X 88,9 88,9 X 2 88,9 108 X 3/4 X 108 108 X 2 X 108	copper (Cu)
4713P	Adapter piece	14 X 15 16 X 15 18 X 15 20 X 15	Bronze (gunmetal) CC499K or Silicon Bronze –CC246E (CuSi4Zn9MnP)

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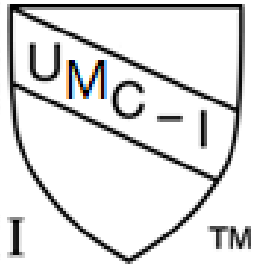
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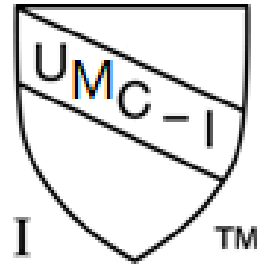
Model #	Description	Dimension	Material
2212	Adapter piece	12 X 3/8	Bronze (gunmetal) CC499K
		12 X 1/2	
		15 X 3/8	
		15 X 1/2	
		15 X 3/4	
		18 X 1/2	
		18 X 3/4	
		22 X 1/2	
		22 X 3/4	Or Silicon Bronze – CC246E (CuSi4Zn9MnP)
		22 X 1	
		28 X 1/2	
		28 X 3/4	
		28 X 1	
		28 X 11/4	
		35 X 3/4	
		35 X 1	
35 X 11/4			
42 X 11/4			
42 X 11/2			
54 X 11/2			
54 X 2			

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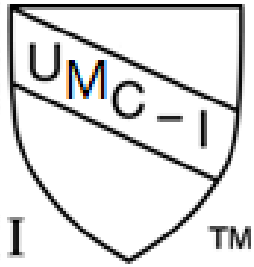
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File No: IN-M1012 Product: Copper, Copper Alloy Fittings (Press Type) Effective Date: September 2018 Void After: September 2019

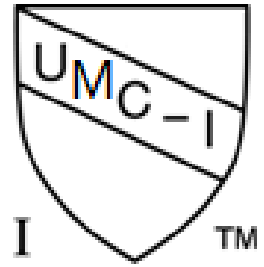
Model #	Description	Dimension	Material
22121	plug piece	12 X 1/2	Bronze (gunmetal) CC499K
		15 X 1/2	
		18 X 1/2	
		18 X 3/4	
		22 X 1/2	
		22 X 3/4	
		28 X 3/4	
		28 X 1	
		35 X 1	
		35 X 1 1/4	
22123	Adapter piece	15 X 1/2	Bronze (gunmetal) CC499K or
		18 X 1/2	
		22 X 1/2	

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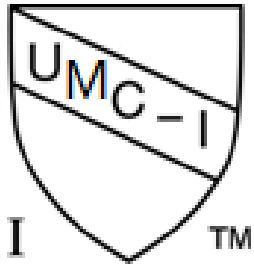
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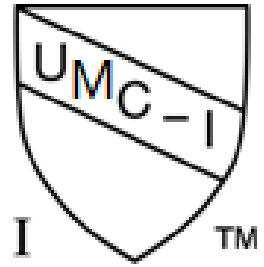
			Silicon Bronze –CC246E (CuSi4Zn9MnP)
2213	union	15 X 16 15 X 20 18 X 20	Bronze (gunmetal) CC499K or Silicon Bronze –CC246E (CuSi4Zn9MnP)
22156	Adapter piece	25 X 28 32 X 35	Bronze (gunmetal) CC499K or Silicon Bronze –CC246E (CuSi4Zn9MnP)

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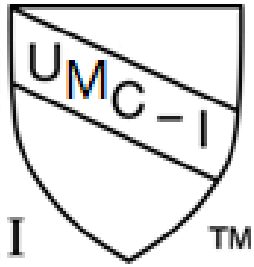
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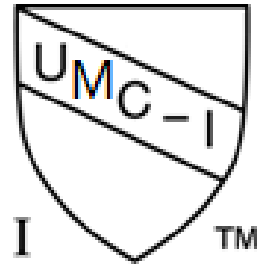
Model #	Description	Dimension	Material
22171	t-piece	18 X 3/4 X 18	Bronze (gunmetal) CC499K or Silicon Bronze – CC246E (CuSi4Zn9MnP)
		22 X 3/4 X 22	
		28 X 3/4 X 28	
		35 X 3/4 X 35	
		42 X 3/4 X 42	
		54 X 3/4 X 54	
		54 X 1 X 54	
54 X 1 1/4 X 54			
22172	t-piece	12 X 1/2 X 12	
		15 X 3/8 X 15	
		15 X 1/2 X 15	
		18 X 1/2 X 18	
		22 X 1/2 X 22	
		22 X 3/4 X 22	
		28 X 1/2 X 28	
		28 X 3/4 X 28	
		35 X 1/2 X 35	
		35 X 1 X 35	
		42 X 1/2 X 42	
42 X 1 X 42			
54 X 1/2 X 54			
54 X 1 X 54			
22173	wall plate-t-piece	15 X 1/2 X 15	
		22 X 1/2 X 22	

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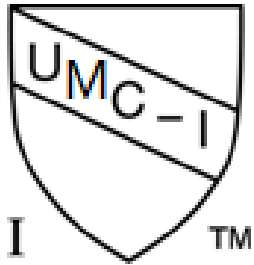
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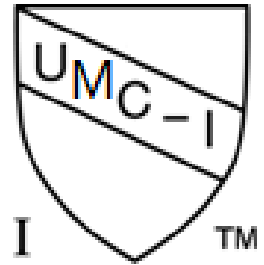
Model #	Description	Dimension	Material
2225	wall plate	15 X 1/2 X 45	Bronze (gunmetal) CC499K Or Silicon Bronze – CC246E (CuSi4Zn9MnP)
22255	wall-plate	12 X 1/2 15 X 1/2 18 X 1/2 18 X 3/4 22 X 1/2 22 X 3/4	
22256	wall-plate	15 X 1/2	
22257	Double Wall Plate	15 X 1/2 X 15 22 X 1/2 X 22	
22321	wall bushing	15X 1/2X 3/4X 25 15X 1/2X 3/4X 35 15X 1/2X 3/4X 55 15X 1/2X 3/4X 65	
22323	wall bushing	15X 1/2X 3/4X 30	

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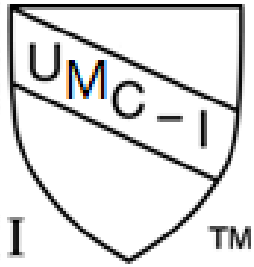
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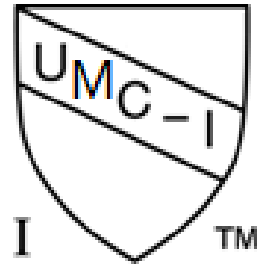
Model #	Description	Dimension	Material
2255	union	12 X 1/2 15 X 1/2 18 X 1/2 18 X 3/4 22 X 3/4 22 X 1 28 x 1 35 X 1 1/4 42 X 1 1/2 54 X 2	Bronze (gunmetal) CC499K or Silicon Bronze – CC246E (CuSi4Zn9MnP)
2411XL	Adapter piece	64 X 21/2 66,7 X 21/2 76,1 X 21/2 88,9 X 3 108 X 4	copper (Cu)
2412XL	Adapter piece	64 X 21/2 66,7 X 21/2	copper (Cu)

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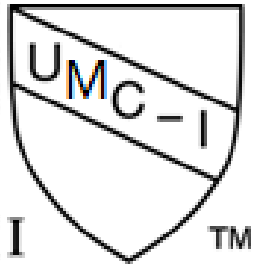
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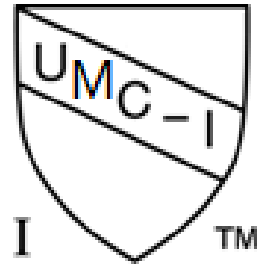
Model #	Description	Dimension	Material
22151	reduction piece	15 X 12	Bronze (gunmetal) CC499K Or Silicon Bronze – CC246E (CuSi4Zn9MnP)
		18 X 12	
		18 X 15	
		22 X 12	
		22 X 15	
		22 X 18	
		28 X 15	
		28 X 18	
		28 X 22	
		35 X 22	
		35 X 28	
		42 X 22	
		42 X 28	
		42 X 35	
54 X 22			
54 X 28			
54 X 35			
54 X 42			
22154	sliding sleeve	22	
		28	
		35	

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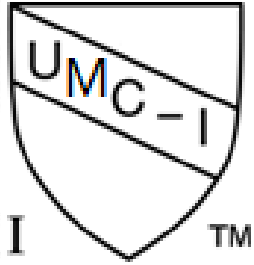
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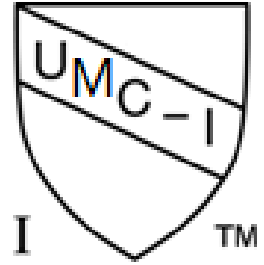
Model #	Description	Dimension	Material
22155	sliding sleeve	15	Bronze (gunmetal) CC499K Or Silicon Bronze – CC246E (CuSi4Zn9MnP)
		18	
		22	
		28	
		35	
		42	
2218	t-piece	54	
		12 X 15 X 12	
		15 X 12 X 15	
		15 X 18 X 15	
		15 X 22 X 15	
		18 X 12 X 18	
		18 X 15 X 15	
		18 X 15 X 18	
		18 X 22 X 18	
		22 X 12 X 22	
		22 X 15 X 15	
		22 X 15 X 18	
		22 X 15 X 22	
		22 X 18 X 18	
22 X 18 X 22			
22 X 22 X 15			
22 X 28 X 22			
28 X 15 X 28			

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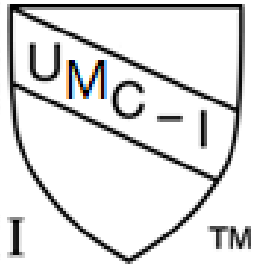
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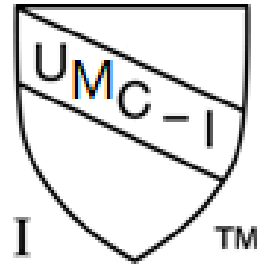
Model #	Description	Dimension	Material
2218	t-piece	28 X 18 X 22	Bronze (gunmetal) CC499K Or Silicon Bronze – CC246E (CuSi4Zn9MnP))
		28 X 18 X 28	
		28 X 22 X 22	
		28 X 22 X 28	
		28 X 28 X 15	
		28 X 28 X 18	
		35 X 15 X 35	
		35 X 18 X 35	
		35 X 22 X 28	
		35 X 22 X 35	
		35 X 28 X 28	
		35 X 28 X 35	
		42 X 15 X 42	
		42 X 22 X 42	
		42 X 28 X 42	
		42 X 35 X 35	
42 X 35 X 42			
54 X 22 X 54			
54 X 28 X 54			
54 X 35 X 54			
54 X 42 X 42			
54 X 42 X 54			

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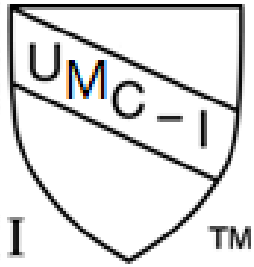
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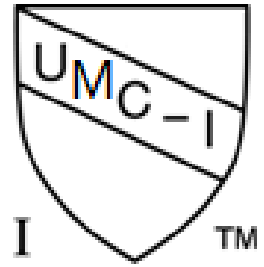
Model #	Description	Dimension	Material
2244	cross piece	15 X 12 X 15 18 X 12 X 18 18 X 15 X 18 22 X 12 X 22 22 X 15 X 22	Bronze (gunmetal) CC499K Or Silicon Bronze – CC246E (CuSi4Zn9MnP)
2247	cross piece	15 X 15 22 X 15	
2248	cross piece	15 18 X 15 22 X 15 28 X 15	
2251	Kompensator	15 18 22 28 35 42 54	

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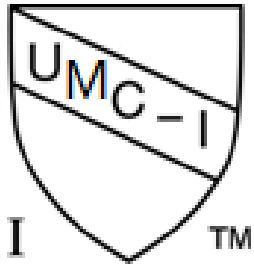
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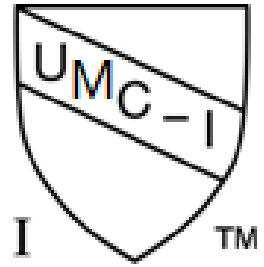
Model #	Description	Dimension	Material
22595	flange adapter	28 35 42 54	Bronze (gunmetal) CC499K Or
2260	union	12 15 18 22 28 35 42 54	
2262	union	12 X 1/2 15 X 1/2 15 X 3/4 18 X 1/2 18 X 3/4 22 X 3/4 22 X 1 28 X 3/4 28 X 1 35 X 1 1/4 42 X 1 1/2 54 X 2	Silicon Bronze – CC246E (CuSi4Zn9MnP)

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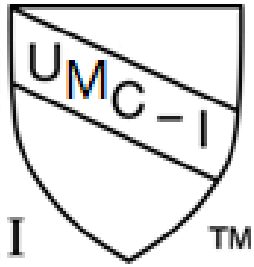
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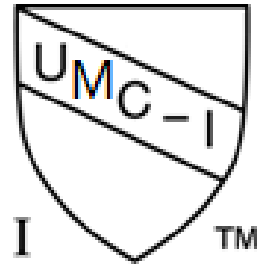
Model #	Description	Dimension	Material
2263	union	12 X 3/8	Bronze (gunmetal) CC499K Or Silicon Bronze – CC246E (CuSi4Zn9MnP))
		12 X 1/2	
		12 X 3/4	
		15 X 3/8	
		15 X 1/2	
		15 X 3/4	
		15 X 1	
		15 X 1 1/4	
		18 X 3/4	
		18 X 1	
		22 X 3/4	
		22 X 1	
		22 X 1 1/4	
		22 X 1 1/2	
		28 X 1	
		28 X 1 1/4	
		28 X 1 1/2	
		35 X 1 1/2	
35 X 2			
42 X 1 3/4			
42 X 2			
54 X 2 1/4			
54 X 2 3/8			
54 X 2 1/2			
54 X 2 3/4			

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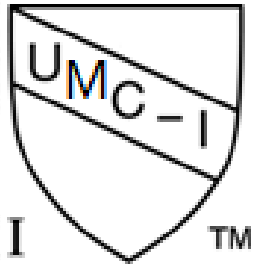
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File No: IN-M1012 Product: Copper, Copper Alloy Fittings (Press Type) Effective Date: September 2018 Void After: September 2019

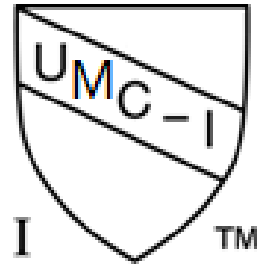
Model #	Description	Dimension	Material
2264	union	15 X 3/4 18 X 3/4 22 X 1 28 X 11/4 35 X 11/2 42 X 13/4 54 X 23/8	Bronze (gunmetal) CC499K Or Silicon Bronze – CC246E (CuSi4Zn9MnP)
2265	union	12 X 3/8 12 X 1/2 15 X 1/2 15 X 3/4 18 X 1/2 18 X 3/4 22 X 1/2 22 X 3/4 22 X 1 28 X 3/4 28 X 1 35 X 11/4 42 X 11/2 54 X 2	

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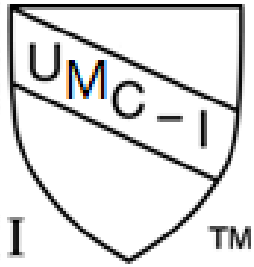
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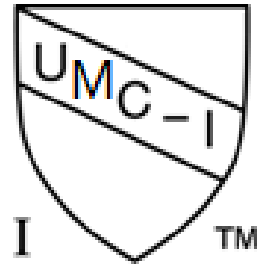
Model #	Description	Dimension	Material
2267	insulation union	15 X 1/2 15 X 3/4 18 X 1/2 18 X 3/4 22 X 3/4 22 X 1 28 X 1 35 X 1 1/4 42 X 1 1/2 54 X 2	Bronze (gunmetal) CC499K or Silicon Bronze – CC246E (CuSi4Zn9MnP)
2415	Sleeve	12 15 18 22 28 35 42 54	copper (Cu)

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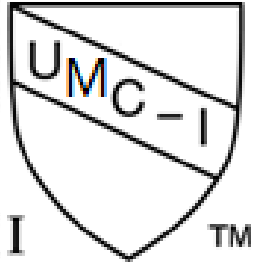
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File No: IN-M1012 Product: Copper, Copper Alloy Fittings (Press Type) Effective Date: September 2018 Void After: September 2019

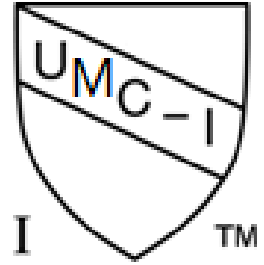
Model #	Description	Dimension	Material
24151	reduction piece	15 X 12	copper (Cu)
		18 X 12	
		18 X 15	
		22 X 15	
		22 X 18	
		28 X 15	
		28 X 18	
		28 X 22	
		35 X 22	
		35 X 28	
		42 X 22	
		42 X 28	
		42 X 35	
54 X 28			
54 X 35			
54 X 42			

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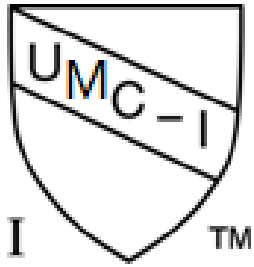
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File No: IN-M1012 Product: Copper, Copper Alloy Fittings (Press Type) Effective Date: September 2018 Void After: September 2019

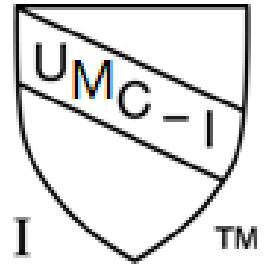
Model #	Description	Dimension	Material
24151XL	reduction piece	64 X 42	copper (Cu)
		64 X 54	
		66,7 X 28	
		66,7 X 35	
		66,7 X 42	
		66,7 X 54	
		76,1 X 54	
		76,1 X 64	
		88,9 X 54	
		88,9 X 66,7	
		88,9 X 76,1	
24152	sleeve	12 X 15	copper (Cu)
		15 X 22	
		18 X 15	
		18 X 22	
		28 X 22	
		35 X 28	
		42 X 35	
		54 X 42	

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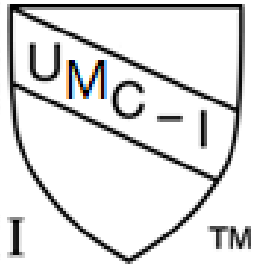
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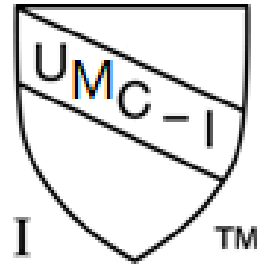
Model #	Description	Dimension	Material
24153	sliding sleeve	15 18 22 28 35 42 54	copper (Cu)
24155XL	sliding sleeve	64 66,7 76,1 88,9 108	copper (Cu)
2415XL	sliding sleeve	64 66,7 76,1 88,9 108	copper (Cu)
24172XL	t-piece	64 X 3/4 X 64 64 X 1 X 64 76,1 X 3/4 X 76,1 76,1 X 2 X 76,1 88,9 X 3/4 X 88,9 88,9 X 2 X 88,9 108 X 3/4 X 108 108 X 2 X 108	copper (Cu)

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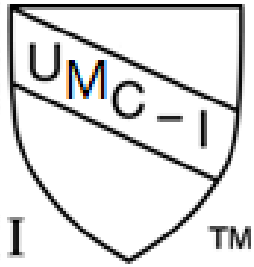
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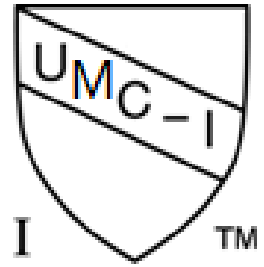
Model #	Description	Dimension	Material
2418	t-piece	12 X 15 X 12	copper (Cu)
		15 X 12 X 12	
		15 X 12 X 15	
		15 X 15 X 12	
		15 X 18 X 15	
		15 X 22 X 15	
		18 X 12 X 15	
		18 X 12 X 18	
		18 X 15 X 15	
		18 X 15 X 18	
		18 X 18 X 15	
		18 X 22 X 18	
		22 X 12 X 22	
		22 X 15 X 15	
		22 X 15 X 18	
		22 X 15 X 22	
		22 X 18 X 15	
		22 X 18 X 18	
22 X 18 X 22			
22 X 22 X 15			
22 X 22 X 18			
22 X 28 X 22			
28 X 15 X 22			
28 X 15 X 28			

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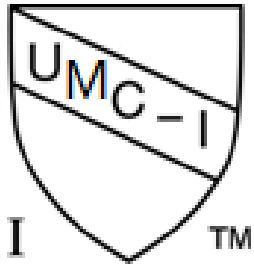
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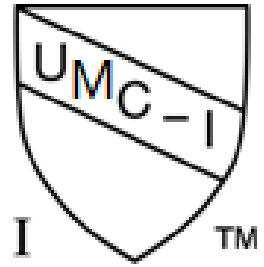
Model #	Description	Dimension	Material
2418	t-piece	28 X 18 X 22	copper (Cu)
		28 X 18 X 28	
		28 X 22 X 22	
		28 X 22 X 28	
		28 X 28 X 22	
		28	
		35 X 15 X 35	
		35 X 18 X 35	
		35 X 22 X 28	
		35 X 22 X 35	
		35 X 28 X 28	
		35 X 28 X 35	
		35 X 35 X 22	
		35 X 35 X 28	
		35	
42 X 22 X 42			
42 X 28 X 42			
42 X 35 X 42			
42			
54 X 22 X 54			
54 X 28 X 54			
54 X 35 X 54			
24181	t-piece	22 X 15 X 22	copper (Cu)

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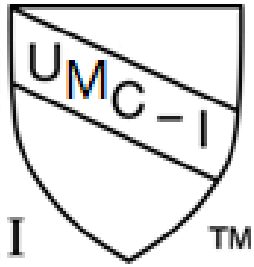
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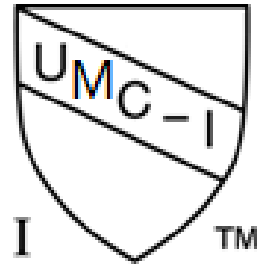
Model #	Description	Dimension	Material
2418XL	t-piece	64 X 35 X 64	copper (Cu)
		64 X 42 X 64	
		64 X 54 X 64	
		64	
		66,7 X 28 X 66,7	
		66,7 X 35 X 66,7	
		66,7 X 42 X 66,7	
		66,7 X 54 X 66,7	
		66,7	
		76,1 X 54 X 76,1	
		76,1	
		88,9 X 54 X 88,9	
		88,9 X 76,1 X	
		88,9	
88,9			
108 X 54 X 108			
108 X 76,1 X 108			
108 X 88,9 X 108			
108			

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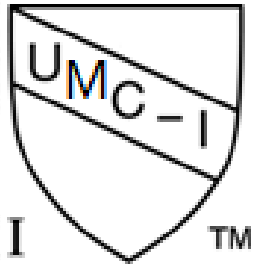
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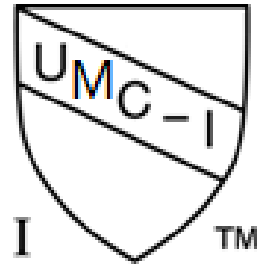
Model #	Description	Dimension	Material
2456	closure cap	12	copper (Cu)
		15	
		18	
		22	
		28	
		35	
		42	
54			
2456XL	closure cap	64	copper (Cu)
		66,7	
		76,1	
		88,9	
		108	
2457	locking piece	15	copper (Cu)
		18	
		22	
		28	
		35	
		42	
		54	

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Model #	Description	Dimension	Material
24595XL	flange connector	64 66,7 76,1 88,9 108	copper (Cu)
97779	sleeve	10	copper (Cu)
97780	sleeve	12 X 10	copper (Cu)
97781	sleeve	15 X 10	copper (Cu)

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