Certificate Number
 20190125-EX6097

 Report Reference
 EX6097-20010517

 Issue Date
 2019-JANUARY-25

Issued to: JINAN MEIDE CASTING CO LTD

Meide Science and Technology Park

Pingyin Industrial Park

JINAN, SHANDONG 250400 CHINA

This certificate confirms that representative samples of

FITTINGS, GROOVED AND PLAIN END

See addendum page

Have been investigated by UL in accordance with the

Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 213C, Grooved and Plain End Fittings

ULC/ORD-C213, Rubber Gasketed Fittings for Fire

Protection Service

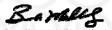
Additional Information: See the UL Online Certifications Directory at

https://ig.ulprospector.com for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Products - The following fittings are intended for use with Listed Jinan Meide (EX6464) rubber gasketed fittings.

Grooved

(or	VALVALY	(ULXULXULXULXULXULXULXULX	Rated Pressure
Model	Type	Size In.	(psig)
90	90 Degree Elbow	1-1/4, 1-1/2, 2, 2-1/2, 3 OD, 3, 4, 5, 5-1/2 OD, 6, 6-1/2 OD, 8	500
90	90 Degree Elbow	33.7mm, 76.1mm	500
90	90 Degree Elbow	133.0mm, 267.4mm, 318.5mm	300
90	90 Degree Elbow	10	300
90	90 Degree Elbow	12	225
90C	90 Degree Elbow	114.3mm x 88.9mm x 33.7mm, 165.1mm x 88.9mm x 33.7mm;	300
90S	90 Degree Short Elbow	2, 2-1/2, 3 OD, 3, 4, 5-1/2 OD, 6, 6-1/2 OD, 8	300
90S	90 Degree Short Elbow	108.0mm, 141.3mm	500
90S	90 Degree Short Elbow	114.3mm, 165.1mm	365
90S	90 Degree Short Elbow	159.0mm, 216.3mm	300
90R	90 Degree Reducing Elbow	88.9 x 76.1mm; 114.3 x 76.1mm, 88.9mm; 165.1 x 114.3mm; 168.3 x 114.3mm	300
90R	90 Degree Reducing Elbow	4 x 3	500
91R	90 Degree Reducing Elbow	1-1/4x1/2, 3/4, 1; 1-1/2x1/2, 3/4, 1; 2x1/2, 3/4, 1; 2-1/2x1/2, 3/4, 1; 3x3/4, 1	500
105	11.25 Degree Elbow	42.4mm, 48.3mm, 60.3mm, 73mm, 76.1mm, 88.9mm	500
105	11.25 Degree Elbow	108.0mm, 114.3mm, 139.7mm, 159.0mm, 165.1mm, 168.3mm, 219.1mm	300





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Model	Туре	Size In.	Rated Pressure (psig)
711.	22.5 Degree	VII. VII. VII. VII. VII. VII. VII. V	II. VIII
110	Elbow	42.4mm, 48.3mm, 60.3mm, 73.0mm, 76.1mm, 88.9mm	500
	22.5 Degree		
110	Elbow	108.0mm, 114.3mm, 139.7mm, 159.0mm, 165.1mm, 168.3mm, 219.1mm	300
120	45 Degree Elbow	1-1/4, 1-1/2, 2, 2-1/2, 3 OD, 3, 4, 5-1/4OD, 5, 6, 6-1/2 OD, 8, 10, 12	500
120	45 Degree Elbow	33.7mm	500

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GLY			Rated Pressure
Model	Type	Size In.	(psig)
120	45 Degree Elbow	108.0mm, 139.7mm, 159.0mm, 216.3mm, 267.4mm, 318.5mm	300
130	Tee	1-1/4, 1-1/2, 2, 2-1/2, 3 OD, 3, 4, 5, 6, 6-1/2 OD, 8, 10, 12	500
130	Tee	33.7mm, 76.1mm	500
130	Tee	133.0mm, 139.7mm, 267.4mm	300
l Ui M	Ur W Ur W U	2 x 1-1/2;	Uı X Ui
		3 x 1, 1-1/2, 2, 2-1/2;	
130	Reducing Tee	4 x 1, 2, 2-1/2, 3;	500
150	reducing rec	5 x 1-1/2, 2, 2-1/2, 3, 4;	300
(UI)	ULXULXU	6 x 2, 2-1/2, 3, 4, 5;8 x 2, 2-1/2, 3, 4, 5, 6;	UI X UI
		12 x 6	
		60.3 x 33.7mm, 48.3mm;	
		73.0 x 48.3mm, 60.3mm;	11 //11
130	Reducing Tee	76.1 x 42.4mm, 48.3mm, 60.3mm;	500
		88.9 x 42.4mm, 48.3mm, 60.3mm, 73.0mm;	
		216.3 x 114.3mm	
(III. V	11. 3/11. 3/11	114.3 x 33.7mm, 60.3mm, 73.0mm, 88.9mm;	11. Mai
130	Reducing Tee	141.3 x 88.9mm, 114.3mm;	365
		168.3 x 60.3mm, 73.0mm, 88.9mm, 114.3mm, 141.3mm	
		88.9 x 76.1mm;	
/II. W	III. VIII. VIII	108.0 x 60.3mm, 73.0mm, 88.9mm;	II. VIII
(ULA	YLAULAU	114.3 x 48.3mm, 76.1mm;	OLAU
		133.0 x 60.3mm, 76.1mm, 108.0mm, 114.3mm;	
		139.7 x 48.3mm, 60.3mm, 76.1mm, 88.9mm, 114.3mm;	
/ II. W	111. WH. WH	159.0 x 60.3mm, 76.1mm, 88.9mm, 108.0mm, 114.3mm, 133.0mm;	II. VIII
130	45 Degree Elbow Tee Tee	165.1 x 60.3mm, 76.1mm, 88.9mm, 114.3mm, 133.0mm, 139.7mm,	300
		159.0mm; 168.3 x 76.1mm, 139.7mm;	
		216.3 x 165.1mm;	
/ II. W		219.1 x 60.3mm, 76.1mm, 88.9mm, 108.0mm, 114.3mm, 133.0mm,	II. VIII
(LA	TLATLA	139.7mm, 141.3mm, 159.0mm, 165.1mm, 168.3mm;	
		273.0 x 165.1mm, 168.3mm, 219.1mm;	
		323.9 x 165.1mm, 219.1mm, 273.0mm	
(Ui Y	Reducing Tee	114.3mm x 88.9mm x 33.7mm,	Ui X Ui
130C		165.1mm x 88.9mm x 33.7mm;	300
		114.3mm x 88.9mm x 33.7mm.	
130D		165.1mm x 88.9mm x 33.7mm;	300
130S		2, 2-1/2, 3 OD, 3, 4, 5-1/2 OD, 6, 6-1/2 OD, 8	300









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	$(U_L)(U_L)$	$(U_L)(U_L)(U_L)(U_L)(U_L)(U_L)(U_L)(U_L)$	U_{L}) $(U_{l}$
Model	Туре	Size In.	Rated Pressure (psig)
130S	Short Tee	108.0mm, 141.3mm	500
130S	Short Tee	114.3mm, 165.1mm	365
130S	Short Tee	159.0mm, 216.3mm	300
131	Tee	88.9mm, 114.3mm, 168.3mm	300
131	Reducing Tee	60.3 x 33.7mm, 48.3mm; 73.0 x 33.7mm, 42.4mm; 76.1 x 33.7mm, 42.4mm, 48.3mm, 60.3mm; 88.9 x 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm	500

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			Rated
	V II. V II. \	(11. 7/11. 7/11. 7/11. 7/11. 7/11. 7/11. 7/	Pressure
Model	Type	Size In.	(psig)
		108.0 x 60.3mm, 76.1mm, 88.9mm;	
		114.3 x 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm;	
/ Ur `	V Ui Y Ui Y	133.0 x 60.3mm, 76.1mm, 88.9mm;	Ur W.U
131	Reducing Tee	139.7 x 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm;	300
		159.0 x 60.3mm, 76.1mm, 88.9mm;	
		165.1 x 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm, 114.3mm;	
		168.3 x 60.3mm, 76.1mm, 88.9mm	U = X = U
131R	Reducing Tee,	2 x 1-1/4;	500
	Threaded	2-1/2 x 1-1/2, 2	
180	Cross	1-1/4, 1-1/2, 2, 2-1/2, 3 OD, 3, 4, 5, 6, 6-1/2 OD, 8, 10, 12	500
180	Cross	108.0mm, 139.7mm, 159.0mm	300
180	Cross	60.3mm, 73.0mm, 76.1mm, 88.9mm, 114.3mm, 141.3mm, 165.1mm	365
180	Cross	168.3mm, 219.1mm	300
180	Reducing Cross	88.9 x 60.3mm	500
	KUIXUI	114.3 x 60.3mm, 88.9mm;	
		139.7 x 114.3mm;	
180	Reducing Cross	159.0 x 108.0mm;	300
		165.1 x 60.3mm, 76.1mm, 88.9mm, 114.3mm;	
UUL	I UL II UL I	219.1 x 60.3mm, 114.3mm, 139.7mm, 159.0mm, 165.1mm	<u>UL M U</u>
180R	Reducing Cross	3OD x 2;	500
10010	reducing cross	6 x 2	300
181	Cross	114.3 x 33.7mm, 42.4mm, 48.3mm, 60.3mm;	300
101	C1033	165.1 x 60.3mm	300
		3OD x 2;	
181	Reducing Cross,	3 x 1-1/2, 2;	500
101	Threaded	4 x 3OD, 3;	300
LAL	VALVAL!	6-1/2OD x 1-1/2	ULAU
		88.9 x 60.3mm;	
	Grooved Eccentric	108.0 x 76.1mm, 88.9mm;	
230	Reducer	114.3 x 60.3mm, 88.9mm;	500
	VAEV AF	168.3 x 141.3mm;	
		219.1 x 159.0mm, 165.1mm, 168.3mm	
		114.3 x 76.1mm;	
	V Ur V Ur Y	139.7 x 114.3mm;	
220	Grooved Eccentric	159.0 x 108.0mm, 114.3mm;	
230	Reducer	165.1 x 88.9mm, 114.3mm, 139.7mm;	300
		168.3 x 88.9mm, 114.3mm, 139.7mm;	
	K U i X U i Y	219.1 x 114.3mm, 168.3mm;	
		273.1 x 219.1mm	







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Model	Type	Size In.	Rated Pressure (psig)
230N	Grooved Eccentric Reducer With Male Thread	108.0 x 76.1mm	500
230N	Grooved Eccentric Reducer With Male Thread	114.3 x 76.1mm; 139.7 x 88.9mm; 165.1 x 88.9mm	300

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X	\times	XXXXXXX	Rated Pressure
Model	Type	Size In.	(psig)
240	Grooved Concentric Reducer	2 x 3/4, 1, 1-1/4, 1-1/2; 2-1/2 x 1, 1-1/4, 1-1/2, 2;3 x 3/4, 1, 1-1/2, 2, 2-1/2; 4 x 1, 1-1/2, 2, 2-1/2, 3; 5 x 3, 4; 6 x 1, 2, 2-1/2, 3, 4, 5; 8 x 2-1/2, 3, 4, 5, 6	500
240	Grooved Concentric Reducer	42.4 x 33.7mm; 48.3 x 33.7mm, 42.4mm; 76.1 x 33.7mm, 42.4mm, 48.3mm, 60.3mm; 88.9 x 76.1mm; 108.0 x 60.3mm, 73.0mm, 88.9mm; 141.3 x 76.1mm; 165.1x 108mm; 219.1 x 108mm	500
240	Grooved Concentric Reducer	88.9 x 42.4mm; 133.0 x 108.0mm, 114.3mm; 139.7 x 60.3mm; 141.3 x 88.9mm, 114.3mm	365
240	Grooved Concentric Reducer	108.0 x 76.1mm; 114.3 x 42.4mm, 76.1mm; 139.7 x 76.1mm, 88.9mm, 114.3mm; 141.3 x 73.0mm; 159.0 x 60.3mm, 76.1mm, 88.9mm, 108.0mm, 114.3mm, 133.0mm; 165.1 x 60.3mm, 76.1mm, 88.9mm, 114.3mm, 139.7mm; 168.3 x 76.1mm, 139.7mm; 216.3 x 114.3mm, 165.1mm; 219.1 x 108.0mm, 139.7mm, 159.0mm, 165.1mm; 273.0 x 159.0mm, 165.1mm, 168.3mm, 219.1mm; 323.9 x 219.1mm, 273.0mm	300
240N	Concentric Reducer - FNPT	3 x 3/4, 1, 1-1/2, 2, 2-1/2, 3, 4 x 1, 1-1/2, 2, 2-1/2, 3, 4 x 1, 2, 2-1/2, 3, 4, 5, 6 x 1, 2, 2-1/2, 3, 4, 5, 6 x 2-1/2, 3, 4, 5, 6	500
240N	Concentric Reducer With Female Thread	76.1 x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm; 139.7 x 60.3mm, 88.9mm; 159.0 x 76.1mm	500



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(or	VALVAL	\	Rated
			Pressure
Model	Type	Size In.	(psig)
240N	Concentric Reducer With Female Thread	88.9 x 21.3mm; 133.0 x 48.3mm, 76.1mm; 139.7 x 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm, 114.3mm; 141.3 x 88.9mm, 114.3mm	365
240N	Concentric Reducer With Female Thread	88.9 x 42.4mm, 76.1mm; 108.0 x 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1 mm, 88.9mm; 114.3 x 21.3 mm, 26.9mm, 42.4mm, 76.1 mm; 159.0 x 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 88.9mm, 114.3mm; 165.1 x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm, 114.3mm; 219.1 x 48.3mm, 60.3mm, 76.1mm	300
240W	Concentric Reducer - MNPT	2 x 3/4, 1, 1-1/4, 1-1/2; 2-1/2 x 1, 1-1/4, 1-1/2, 2; 3 x 3/4, 1, 1-1/2, 2, 2-1/2; 4 x 1, 1-1/2, 2, 2-1/2, 3; 5 x 3, 4; 6 x 1, 2, 2-1/2, 3, 4, 5; 8 x 2-1/2, 3, 4, 5, 6	500
240W	Concentric Reducer - MNPT	76.1 x 60.3mm; 88.9 x 76.1mm	500



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X		\times	Rated Pressure
Model	Type	Size In.	(psig)
300	Cap	1-1/4, 1-1/2, 2, 2-1/2, 3 OD, 3, 4, 5, 6, 6-1/2 OD, 8, 10, 12	500
300	Cap	33.7mm	500
300	Сар	108.0mm, 133.0mm, 139.7mm, 159.0mm, 216.3mm	300
711-	VIII VIII	76.1 x 48.3mm;	II. Wii.
300	Cap	168.3 x 21.3mm, 60.3mm;	500
		219.1 x 33.7mm	
		88.9 x 60.3mm;	
300	C	114.3 x 60.3mm;	365
300	Cap	139.7 x 60.3mm;	363
		165.1 x 60.3mm	
		88.9 x 21.3mm, 33,7mm, 48.3mm;	11 \/11
300	Cap	114.3 x 21.3mm, 33.7mm, 48.3mm;	300
300	Сар	165.1 x 21.3mm, 33.7mm;	300
		168.3 x 48.3mm	
	/u \/u \	88.9 x 48.3mm, 60.3mm;	11 \/11
	KUIXUI	114.3 x 48.3mm, 60.3mm;	
300PX	Cap	139.7 x 48.3mm, 60.3mm;	365
		165.1 x 48.3mm;	\times
		168.3 x 48.3mm, 60.3mm	
300PX	Cap	219.1 x 48.3mm, 60.3mm	300
		2-1/2 x 1;	
300PX	Cap	3OD x 1;	500
	/III. \\/III.\	4 x 1	ш. Ми.
321G	Flange Adapter	2, 2-1/2, 3 OD, 3, 4, 5, 5-1/2 OD, 6, 6-1/2 OD, 8	300
321GE	Flange Adapter	2, 3OD, 3, 8, 10	300
321G	Flange Adapter	10, 12	225
321G	Flange Adapter	33.7mm, 42.4mm, 48.3mm, 60.3mm, 73.0mm, 76.1mm, 88.9mm, 108.0mm, 114.3mm, 133.0mm, 139.7mm, 141.3mm, 159.0mm, 165.1mm, 168.3mm	300
321G	Flange Adapter	219.1mm, 273.1mm, 323.9mm	225
321GA	Flange Adapter	2, 4, 8, 10	300
321GH	Flange Adapter	159.0mm	300
321GH	Flange Adapter	4-1/4OD(108mm), 4, 6-1/2OD(165.1mm), 8	365
321GL	Flange Adapter	219.1mm, 273.0mm	225



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			Rated
			Pressure
Model	Type	Size In.	(psig)
90X	90 Degree Short	3, 4-1/4OD, 4, 5-1/4OD, 5-1/2OD, 6-1/4OD,	300
90A	Elbow	6-1/2OD, 6, 10, 12	
110X	22.5 Degree Short	4, 6-1/4OD, 6-1/2OD	300
	Elbow	tii. Vii. Vii. Vii. Vii. Vii. V	
120X	45 Degree Short	3, 4-1/4OD, 4, 5-1/2OD, 6-1/4OD, 6-1/2OD, 6, 8, 10	300
	Elbow		
130X	Short Tee	3, 4-1/4OD, 4, 5-1/4OD, 5-1/2OD, 6-1/4OD,	300
	V U+ V U+ V U+)	6-1/2OD, 6, 8, 10, 12	
130RX	Short Reducing	3 x 2-1/2, 3OD;	300
	Tee, Grooved	4 x 2, 2-1/2, 3;	
		5-1/2OD x 4;	
	K Ui X Ui X Ui X	5 x 4;	
		6-1/4OD x 3, 4-1/4OD, 4, 5-1/4OD;	
		6-1/2OD x 2, 3OD, 3, 4, 5-1/2OD;	
		6 x 2, 2-1/2, 3OD, 3, 4, 5-1/2OD, 5;	
	K UI X UI X UI)	8 x 3OD, 3, 4, 5-1/2OD, 6-1/4OD, 6-1/2OD, 6;	
		10 x 6-1/4OD, 6-1/2OD, 6, 8;	
		12 x 4, 6-1/4OD, 6-1/2OD, 8, 10	
131RX	Short Reducing	2 x 1, 1-1/2;	300
	Tee, Threaded	2-1/2 x 1-1/2, 2;	
		3OD x 1-1/2, 2;	
		3 x 1, 1-1/2, 2;	
	/II. \/II. \/II. \	4-1/4OD x 3OD;	
		4 x 2, 3OD, 3;	
		6-1/2OD x 2, 3OD, 3, 4;	
		6 x 2, 3OD, 3, 4;	
	/m \/m \/m \	8 x 3OD, 4	11.3/11
180X	Short Cross	6-1/4OD, 6-1/2OD, 6, 8	300
180RX	Short Reducing	6-1/2OD x 4;	300
	Cross, Grooved	6 x 4;	
	VII. VII. VII. \	8 x 6-1/2OD;	
UL	K OL K OL K OL I	8 x 6	ULAU
181RX	Short Reducing	6-1/2OD x 3	300
	Cross, Threaded		



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Model	Туре	Size In.	Rated Pressure (psig)
240NX	Short Concentric Reducer With Female Thread	3OD x 2; 3 x 2, 3OD; 4-1/4OD x 3OD, 3; 4 x 1-1/2, 2, 3OD, 3; 6-1/4OD x 3, 4; 6-1/2OD x 2, 3OD, 3, 4; 8 x 1	300
240X	Short Grooved Concentric Reducer	4 x 3OD, 3; 5-1/2OD x 4; 6-1/4OD x 4-1/4OD, 4; 6-1/2OD x 3, 4, 5-1/2OD; 6 x 4, 5-1/2OD; 8 x 4, 5-1/4OD, 6-1/2OD; 10 x 4, 8; 12 x 4, 6-1/4OD, 6-1/2OD	300



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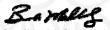
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NOTE:

The Applicant requested an engineering study to add a group of new model No. for the Plum Brand. The detailed change of the model name No is showed in the table below.

New Model No. for Plum Brand
E1
ER U
ЕН
EL
EE - V/ II - V
E2
E3
E4
T
TR L
TL
TH
TV
TT
C
CR
CT CT
RE
RE1
RC
RC1
RC2
СР
CP2
AF16
AF10
AF25

The new models name for the Plum brand and sizes for pipe and rated pressure of fittings as specified below:



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Grooved

Model	Туре	Size In.	Rated Pressure (psig)
E1	90 Degree Elbow	1-1/4, 1-1/2, 2, 2-1/2, 3 OD, 3, 4, 5, 5-1/2 OD, 6, 6-1/2 OD, 8	500
E1	90 Degree Elbow	33.7mm, 76.1mm	500
E1	90 Degree Elbow	133.0mm, 267.4mm, 318.5mm	300
E1	90 Degree Elbow	10	300
E1	90 Degree Elbow	12	225
ЕН	90 Degree Elbow	114.3mm x 88.9mm x 33.7mm, 165.1mm x 88.9mm x 33.7mm;	300
EL	90 Degree Short Elbow	2, 2-1/2, 3 OD, 3, 4, 5-1/2 OD, 6, 6-1/2 OD, 8	300
EL	90 Degree Short Elbow	108.0mm	500
EL	90 Degree Short Elbow	114.3mm, 165.1mm	365
EL	90 Degree Short Elbow	159.0mm, 216.3mm	300
ER	90 Degree Reducing Elbow	88.9 x 76.1mm; 114.3 x 76.1mm, 88.9mm; 165.1 x 114.3mm; 168.3 x 114.3mm	300
EE	90 Degree Reducing Elbow	1-1/4x1/2, 3/4, 1; 1-1/2x1/2, 3/4, 1; 2x1/2, 3/4, 1; 2-1/2x1/2, 3/4, 1; 3x3/4, 1	500
E2	11.25 Degree Elbow	42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm	500
E2	11.25 Degree Elbow	108.0mm, 114.3mm, 139.7mm, 159.0mm, 165.1mm, 168.3mm, 219.1mm	300







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Model	Type	Size In.	Rated Pressure (psig)
(OL	22.5 Degree	<u> </u>	(F8)
E3	Elbow	42.4mm, 48.3mm, 60.3mm, 73.0mm, 76.1mm, 88.9mm	500
	22.5 Degree		
E3	Elbow	108.0mm, 114.3mm, 139.7mm, 159.0mm, 165.1mm, 168.3mm, 219.1mm	300
E4	45 Degree Elbow	1-1/4, 1-1/2, 2, 2-1/2, 3 OD, 3, 4, 5, 6, 6-1/2 OD, 8, 10, 12	500
E4	45 Degree Elbow	33.7mm	500
E4	45 Degree Elbow	108.0mm, 139.7mm, 159.0mm, 216.3mm, 267.4mm, 318.5mm	300



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Model	Туре	Size In.	Rated Pressure (psig)
T	Tee	1-1/4, 1-1/2, 2, 2-1/2, 3 OD, 3, 4, 5, 6-1/2 OD, 6, 8, 10, 12	500
T	Tee	33.7mm, 76.1mm	500
T	Tee	133.0mm, 139.7mm, 267.4mm	300
TR	Reducing Tee	2 x 1-1/2; 3 x 1, 1-1/2, 2, 2-1/2; 4 x 1, 2, 2-1/2, 3; 5 x 2, 3, 4; 6 x 2, 2-1/2, 3, 4, 5;	500
TR	Reducing Tee	8 x 2, 3, 4, 5, 6 60.3 x 33.7mm, 48.3mm; 73.0 x 48.3mm, 60.3mm; 76.1 x 42.4mm, 48.3mm, 60.3mm; 88.9 x 42.4mm, 48.3mm, 60.3mm, 73.0mm	500
TR	Reducing Tee	114.3 x 33.7mm, 60.3mm, 73.0mm, 88.9mm; 141.3 x 88.9mm, 114.3mm; 168.3 x 60.3mm, 73.0mm, 88.9mm, 114.3mm, 141.3mm	365
TR	Reducing Tee	88.9 x 76.1mm; 108.0 x 60.3mm, 73.0mm, 88.9mm; 114.3 x 48.3mm, 76.1mm; 133.0 x 60.3mm, 76.1mm, 108.0mm, 114.3mm; 139.7 x 48.3mm, 60.3mm, 76.1mm, 88.9mm, 114.3mm; 159.0 x 60.3mm, 76.1mm, 88.9mm, 108.0mm, 114.3mm, 133.0mm; 165.1 x 60.3mm, 76.1mm, 88.9mm, 114.3mm, 133.0mm, 139.7mm, 159.0mm; 168.3 x 76.1mm, 139.7mm; 216.3 x 165.1mm; 219.1 x 60.3mm, 76.1mm, 88.9mm, 108.0mm, 114.3mm, 133.0mm, 139.7mm, 141.3mm, 159.0mm, 165.1mm, 168.3mm; 273.0 x 165.1mm, 168.3mm, 219.1mm; 323.9 x 165.1mm, 219.1mm, 273.0mm	300
TH	Reducing Tee, Grooved	114.3mm x 88.9mm x 33.7mm, 165.1mm x 88.9mm x 33.7mm	300
TV	Reducing Tee, Grooved	114.3mm x 88.9mm x 33.7mm, 165.1mm x 88.9mm x 33.7mm	300
TL	Short Tee	2, 2-1/2, 3 OD, 3, 4, 5-1/2 OD, 6, 6-1/2 OD, 8	300
TL	Short Tee	108.0mm	500
TL	Short Tee	114.3mm, 165.1mm	365
TL	Short Tee	159.0mm, 216.3mm	300
TT	Tee	88.9mm, 114.3mm, 168.3mm	300
TT	Reducing Tee	60.3 x 33.7mm, 48.3mm; 73.0 x 33.7mm, 42.4mm; 76.1 x 33.7mm, 42.4mm, 48.3mm, 60.3mm; 88.9 x 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm	500

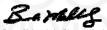


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Model	Туре	Size In.	Rated Pressure (psig)
ТТ	Reducing Tee	108.0 x 60.3mm, 76.1mm, 88.9mm; 114.3 x 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm; 133.0 x 60.3mm, 76.1mm, 88.9mm; 139.7 x 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm; 159.0 x 60.3mm, 76.1mm, 88.9mm;	300
	\times	165.1 x 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm, 114.3mm; 168.3 x 60.3mm, 76.1mm, 88.9mm	\times
C	Cross	1-1/4, 1-1/2, 2, 2-1/2, 3 OD, 3, 4, 5, 6, 6-1/2 OD, 8, 10, 12	500
C	Cross	108.0mm, 139.7mm, 159.0mm	300
C	Cross	60.3mm, 73.0mm, 76.1mm, 88.9mm, 114.3mm, 141.3mm, 165.1mm	365
C	Cross	168.3mm, 219.1mm	300
CR	Reducing Cross	88.9 x 60.3mm	500
CR	Reducing Cross	114.3 x 60.3mm, 88.9mm; 139.7 x 114.3mm; 159.0 x 108.0mm; 165.1 x 60.3mm, 76.1mm, 88.9mm, 114.3mm; 219.1 x 60.3mm, 114.3mm, 139.7mm, 159.0mm, 165.1mm	300
CT	Cross	114.3 x 33.7mm, 42.4mm, 48.3mm, 60.3mm; 165.1 x 60.3mm	300
RE	Grooved Eccentric Reducer	88.9 x 60.3mm; 108.0 x 76.1mm, 88.9mm; 114.3 x 60.3mm, 88.9mm	500
RE	Grooved Eccentric Reducer	114.3 x 76.1mm; 139.7 x 114.3mm; 159.0 x 108.0mm, 114.3mm; 165.1 x 88.9mm, 114.3mm, 139.7mm; 168.3 x 88.9mm, 114.3mm, 139.7mm; 219.1 x 114.3mm, 168.3mm; 273.1 x 219.1mm	300
RE1	Grooved Eccentric Reducer With Male Thread	108.0 x 76.1mm	500
RE1	Grooved Eccentric Reducer With Male Thread	114.3 x 76.1mm; 139.7 x 88.9mm; 165.1 x 88.9mm	300



Bruce Mahrenholz, Director North American Certification Program





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			Rated
		^^^^	Pressure
Model	Type	Size In.	(psig)
(YL	VATVATV	2 x 3/4, 1, 1-1/4, 1-1/2;	
		2-1/2 x 1, 1-1/4, 1-1/2, 2;	
	Grooved	3 x 3/4, 1, 1-1/2, 2, 2-1/2;	
RC	Concentric Reducer	4 x 1, 1-1/2, 2, 2-1/2, 3;	500
		5 x 3, 4;	
		6 x 1, 2, 2-1/2, 3, 4, 5;	
/III.	VIII. VIII. V	8 x 2-1/2, 3, 4, 5, 6 42.4 x 33.7mm;	11. V/11
	X UI X UI X	48.3 x 33.7mm, 42.4mm;	
RC	Grooved	76.1 x 42.4mm, 48.3mm, 60.3mm;	500
I.C	Concentric Reducer	88.9 x 76.1mm;	500
	VII. VII. V	108.0 x 60.3mm, 73.0mm	
(YL	A Y L A Y L A	88.9 x 42.4mm;	365
D.C.	Grooved	133.0 x 108.0mm, 114.3mm;	
RC	Concentric Reducer	139.7 x 60.3mm;	
f Ui	M Ur W Ur M	141.3 x 88.9mm, 114.3mm	Uı YU
		108.0 x 76.1mm;	300
		114.3 x 42.4mm, 76.1mm;	
	VIII. \VIII. \V	139.7 x 76.1mm, 88.9mm, 114.3mm;	
	KUIKUI	141.3 x 73.0mm;	
DC	Grooved	159.0 x 60.3mm, 76.1mm, 88.9mm, 108.0mm, 114.3mm, 133.0mm;	
RC	Concentric Reducer	165.1 x 60.3mm, 76.1mm, 88.9mm, 114.3mm, 139.7mm; 168.3 x 76.1mm, 139.7mm;	
	VIII. VIII. V	216.3 x 114.3mm, 165.1mm;	
	A $^{\circ}LA$ $^{\circ}LA$	219.1 x 108.0mm, 139.7mm, 159.0mm, 165.1mm;	
	\mathbb{X}	273.0 x 159.0mm, 165.1mm, 168.3mm, 219.1mm;	
		323.9 x 219.1mm, 273.0mm	
TUI	M UL M UL M	2 x 3/4, 1, 1-1/4, 1-1/2;	u n w u
	Concentric Reducer - FNPT	2-1/2 x 1, 1-1/4, 1-1/2, 2;	500
		3 x 3/4, 1, 1-1/2, 2, 2-1/2;	
RC1		4 x 1, 1-1/2, 2, 2-1/2, 3;	
		5 x 3, 4;	
		6 x 1, 2, 2-1/2, 3, 4, 5;	
		8 x 2-1/2, 3, 4, 5, 6	
RC1	Concentric Reducer	7(1-212 2(0 227 424 49.2 (0.2	500
	With Female Thread	76.1 x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm	500
RC1	1111000	88.9 x 21.3mm;	
	Concentric Reducer	133.0 x 48.3mm, 76.1mm;	
	With Female	139.7 x 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm,	365
	Thread	114.3mm;	
		141.3 x 88.9mm, 114.3mm	



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			Rated
			Pressure
Model	Type	Size In.	(psig)
RC1	Concentric Reducer With Female Thread	88.9 x 42.4mm, 76.1mm; 108.0 x 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1 mm, 88.9mm; 114.3 x 21.3 mm, 26.9mm, 42.4mm, 76.1 mm; 159.0 x 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 88.9mm, 114.3mm; 165.1 x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm, 114.3mm;	300
RC2	Concentric Reducer - MNPT	219.1 x 48.3mm, 60.3mm, 76.1mm 2 x 3/4, 1, 1-1/4, 1-1/2; 2-1/2 x 1, 1-1/4, 1-1/2, 2; 3 x 3/4, 1, 1-1/2, 2, 2-1/2; 4 x 1, 1-1/2, 2, 2-1/2, 3; 5 x 3, 4; 6 x 1, 2, 2-1/2, 3, 4, 5; 8 x 2-1/2, 3, 4, 5, 6	500
RC2	Concentric Reducer - MNPT	76.1 x 60.3mm	500



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			Rated
			Pressure
Model	Type	Size In.	(psig)
CP	Cap	1-1/4, 1-1/2, 2, 2-1/2, 3 OD, 3, 4, 5, 6, 6-1/2 OD, 8, 10, 12	500
CP	Cap	33.7mm	500
CP	Cap	108.0mm, 133.0mm, 139.7mm, 159.0mm, 216.3mm	300
CP	Cap	76.1 x 48.3mm	500
/ F	Var Var	88.9 x 60.3mm;	
CP	Com	114.3 x 60.3mm;	365
CP	Cap	139.7 x 60.3mm;	303
	$V\cup_{V}V\cup_{V}$	165.1 x 60.3mm	
	VarVar	88.9 x 21.3mm, 33,7mm, 48.3mm;	
CD	C	114.3 x 21.3mm, 33.7mm, 48.3mm;	200
CP	Cap	165.1 x 21.3mm, 33.7mm;	300
		168.3 x 48.3mm	
	Cap	88.9 x 48.3mm, 60.3mm;	365
		114.3 x 48.3mm, 60.3mm;	
CP2		139.7 x 48.3mm, 60.3mm;	
		165.1 x 48.3mm;	
		168.3 x 48.3mm, 60.3mm	
CP2	Cap	219.1 x 48.3mm, 60.3mm	300
AF16	Flange Adapter	2, 2-1/2, 3 OD, 3, 4, 5, 5-1/2 OD, 6, 6-1/2 OD, 8	300
AF16	Flange Adapter	10, 12	225
A E1C		33.7mm, 42.4mm, 48.3mm, 60.3mm, 73.0mm, 76.1mm, 88.9mm, 108.0mm,	200
AF16	Flange Adapter	114.3mm, 133.0mm, 139.7mm, 141.3mm, 159.0mm, 165.1mm, 168.3mm	300
AF16	Flange Adapter	219.1mm, 273.1mm, 323.9mm	225
AF25	Flange Adapter	159.0mm	300
AF25	Flange Adapter	4-1/4OD(108mm), 4, 6-1/2OD(165.1mm), 8	365
AF10	Flange Adapter	219.1mm, 273.0mm	225





