

Montréal, le 4 mars 2021.

MR. MILLER WEST
MISTER CRN CONSULTING INC.
488 BOX
MONTAGUE PEI
CANADA C0A 1R0

Manufacturer : AALBERTS INTEGRATED PIPING SYSTEMS APAC
NO 295 SECTION 3 WANDAN ROAD
WANDAN TOWNSHIP PINGTUNG
TAIWAN 913

OUR REFERENCE : 950025

Design number : AS PER SCOPE OF REGISTRATIONS ATTACHED TO THE
STATUTORY DECLARATION

Subject: Design registration confirmation

Hi,

We wish to inform you that your design registration application has been evaluated and that it was registered under the following Canadian Registration Number (CRN): **0A01021.96**.

The following is a reminder of your obligations regarding certain requirements of the regulation respecting pressure vessels, and the referenced codes and standards:

- The manufacturer must maintain a valid quality control program to manufacture equipment according to the CRN.
- The CRN remains valid as long as there are no changes to the design calculations that might affect the pressure boundary. The design registration of fittings expires 10 years after acceptance. It must, therefore, be resubmitted for validation.
- The manufacturer shall submit a copy of the *Manufacturer's Data Report* to us for each equipment manufactured according to this CRN within 30 days following the signing of this report.
- The drawing number and the revision number registered under this CRN must be indicated on the *Manufacturer's Data Report* for equipment manufactured according to the CRN.

This notice of approval does not relieve the manufacturer of their responsibilities with respect to the design or fabrication of equipment manufactured according to this CRN.

Yours sincerely,

Bureau d'expertise et d'homologation en équipements sous pression

Montréal

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Shurjoint Grooved Components are to be registered (Category A: Couplings & Fittings).

Model Number	Size Range (inch)	Rated Pressure (psi)	Service Temperature	Drawings
7705 Standard Flexible Coupling	1, 1¼, 1½, 2, 2½, 3, 4, 5, 6	300	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	H105 G15a 7705TB
	8, 10, 12	250		
7706 Reducing Coupling	2 x 1½ ~ 8 x 6	300	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	C7706-01 CS7706-01
7707 Heavy Duty Flexible Coupling	¾ ~ 6	500	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	7707-01 C7707AB
	6 ~ 12	300		
7771 Standard Rigid Coupling	1½ ~ 8	300	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	H108a
	10, 12	175		
M07 Heavy Duty Rigid Quick Install Coupling	2, 2-1/2, 3, 4	330	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	AS-M07 H1M7 1M7b 1M7c G1M7 7705TB
	6	289		
C-7 Outlet Coupling	1½ x ½ (F), 1½ x ¾ (F), 1½ x 1 (F), 2 x ½ (F), 2 x ¾ (F), 2 x 1 (F), 2 x 1 (G), 2 x 1 (M), 2½ x ½ (F), 2½ x ¾ (F), 2½ x 1 (F), 2½ x 1¼ (M), 2½ x 1¼ (G), 2½ x 1½ (M), 2½ x 1½ (G), 3 x ¾ (F), 3 x 1 (F), 3 x 1 (M), 3 x 1 (G), 3 x 1½ (G), 3 x 1½ (M), 4 x ¾ (F), 4 x 1 (F), 4 x 1½ (F), 4 x 1½ (M), 4 x 1½ (G), 4 x 2 (G), 4 x 2 (M), 6 x 1 (F), 6 x 1½ (F), 6 x 1½ (M), 6 x 1½ (G), 6 x 2 (M), 6 x 2 (G) * F= Female Threaded * M= Male Threaded * G= Grooved	200	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	AS-C7 37U 137L G37 7705TB
SS-1200 Stainless Steel Flexible Coupling	1¼, 1½, 2, 3	300	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	AS-SS1200 H1ST G1AR STB
	4	200		
Z05 Angle Pad Rigid Coupling	1¼, 1½, 2, 2½, 3, 4, 5	300	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	H1Z5 G15a 7705TB
	6, 8	250		
Z07 Angle Pad Heavy Duty Rigid Coupling	1¼, 1½, 2, 2½, 3, 4	400	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	H1Z7 G15a 7705TB
	5	350		
	6, 8	300		
	10, 12	250		

Model Number	Size Range (inch)	Rated Pressure (psi)	Service Temperature	Drawings
G28 Hinged Lever Coupling	1½, 2, 2½, 3, 4, 5, 6, 8, 10	200	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	AS-G28 178a 178b G15a G15b
79 Wildcat Coupling	2, 2½, 3	200	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	AS-79 H179a H179b 179c G515 G115b 7705TB
	4	150		
	5, 8, 14	75		
	6	100		
	12	40		
	16	50		
XH-70 Coupling	2 ~ 12	500	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	1X7
723 Saddle-Let	1¼ x ½, 1¼ x ¾, 1¼ x 1, 1½ x ½, 1½ x ¾, 1½ x 1, 2 x ½, 2 x ¾, 2 x 1, 2½ x ½, 2½ x ¾, 2½ x 1	200	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	AS-723 H133 G133 723UB
7721, 7722 Mechanical Tee	2 ~ 8	300	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	C720UA-1 C722UA-1 C720LA-1 7721-01
M21 Mechanical Tee, Threaded Outlet	2 x ½, 2 x ¾, 2 x 1, 2 x 1¼, 2 x 1½, 2½ x ½, 2½ x ¾, 2½ x 1, 2½ x 1¼, 2½ x 1½, 3 x ½, 3 x ¾, 3 x 1, 3 x 1¼, 3 x 1½, 3 x 2, 4 x ½, 4 x ¾, 4 x 1, 4 x 1¼, 4 x 1½, 4 x 2, 4 x 2½, 5 x 2, 5 x 2½, 5 x 3, 6 x 1¼, 6 x 1½, 6 x 2, 6 x 2½	200	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	AS-M21 H1B4U H1B4L G11 G1B4 7705TB
	4 x 3, 6 x 3, 6 x 4	100		
M22 Mechanical Tee, Grooved Outlet	2 x 1, 2 x 1¼, 2 x 1½, 2½ x 1, 2½ x 1¼, 2½ x 1½, 3 x 1, 3 x 1¼, 3 x 1½, 3 x 2, 4 x 1, 4 x 1¼, 4 x 1½, 4 x 2, 4 x 2½, 5 x 2, 5 x 2½, 5 x 3, 6 x 1¼, 6 x 1½, 6 x 2, 6 x 2½	200	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	AS-M22 H1B5U H1B4L G11 G1B4 7705TB
	4 x 3, 6 x 3, 6 x 4	100		
Nipple 57, (58, 59)	2 ~ 12	300	-20°F ~ +180°F (-29°C ~ +82°C)	157 148 159
899 End-All Fitting	1½ ~ 2½	300	-20°F ~ +180°F (-29°C ~ +82°C)	199
901 90° SR Elbow	2 ~ 8	300	-20°F ~ +180°F (-29°C ~ +82°C)	ASDa BSDa JSDa
903 SR Tee	2 ~ 8	300	-20°F ~ +180°F (-29°C ~ +82°C)	903-01

Model Number	Size Range (inch)	Rated Pressure (psi)	Service Temperature	Drawings
Elbows 7110 (7111, 7112, 7113) (Bracketed items are 45, 22½ and 11¼ degree elbows of same size & thickness)	1 ~ 12	300	-20°F ~ +180°F (-29°C ~ +82°C)	ASDa BSDa JSDa 112 113
7110DR Drain Elbow	2, 2½, 3, 4, 6, 8	175	-20°F ~ +180°F (-29°C ~ +82°C)	ASDa
7110-B 90° Elbow with Base Support	3, 4, 6	175	-20°F ~ +180°F (-29°C ~ +82°C)	1AM
7118 90° Adapter Elbow	1½, 2, 2½, 3	200	-20°F ~ +180°F (-29°C ~ +82°C)	1AC
	4	175		
7120, 7121 Tees	1 ~ 12	300	-20°F ~ +180°F (-29°C ~ +82°C)	120A-01 121B-01
7130 45° Lateral	2, 6	300	-20°F ~ +180°F (-29°C ~ +82°C)	7130-01
7135 Cross	2 ~ 8	300	-20°F ~ +180°F (-29°C ~ +82°C)	ASDb
7150 Concentric Reducer	2½ x 2 ~ 12 x 10	300	-20°F ~ +180°F (-29°C ~ +82°C)	ARDa BRDa JRDa
7150F Reducing Socket (Gr x Ft)	1½ x 1, 2 x 1, 2 x 1¼, 2 x 1½, 2½ x 1, 2½ x 1¼, 2½ x 1½, 2½ x 2, 3 x 1, 3 x 1¼, 3 x 1½, 3 x 2, 3 x 2½, 4 x 1¼, 4 x 1½, 4 x 2, 4 x 2½, 5 x 1½, 6 x 1½, 6 x 2, 6 x 2½, 6 x 4	175	-20°F ~ +180°F (-29°C ~ +82°C)	154
7150M Reducing Nipple (Gr x Mt)	1½ x 1, 2 x 1, 2 x 1¼, 2 x 1½, 2½ x 1, 2½ x 1¼, 2½ x 1½, 2½ x 2, 3 x 1, 3 x 1¼, 3 x 1½, 3 x 2, 3 x 2½, 4 x 1½, 4 x 2, 4 x 2½, 4 x 3, 5 x 1½, 6 x 1½, 6 x 2, 6 x 2½, 6 x 4	175	-20°F ~ +180°F (-29°C ~ +82°C)	152
7151 Eccentric Reducer	2½ x 2, 3 x 2, 3 x 2½, 4 x 2, 4 x 2½, 4 x 3, 5 x 4, 6 x 2, 6 x 3, 6 x 4, 6 x 5, 8 x 6, 10 x 4, 10 x 6, 12 x 6, 12 x 8, 12 x 10	300	-20°F ~ +180°F (-29°C ~ +82°C)	ARDa
7160 End Cap	1 ~ 6	300	-20°F ~ +180°F (-29°C ~ +82°C)	160a
7160H Domed End Cap	10 ~ 12	300	-20°F ~ +180°F (-29°C ~ +82°C)	7160H-01

Model Number	Size Range (inch)	Rated Pressure (psi)	Service Temperature	Drawings
7160T Transition Fitting (Gr x Ft)	2 x 1, 2 x 1¼, 2½ x 1, 2½ x 1¼, 2½ x 1½, 3 x 1, 3 x 1¼, 3 x 1½, 3 x 2, 4 x 1, 4x 1¼, 4 x 1½, 4 x 2, 5 x 1, 5 x 2, 6 x 1, 6 x 1¼, 6 x 1½, 6 x 2, 8 x 1, 8 x 1½, 8 x 2	175	-20°F ~ +180°F (-29°C ~ +82°C)	160a
811 90° Elbow	½, ¾, 1, 1¼, 1½, 2, 2½	300	-20°F ~ +180°F (-29°C ~ +82°C)	S811001
812 Reducing 90° Elbow	¾ x ½, 1 x ½, 1 x 1¼, 1¼ x ½, 1¼ x ¾, 1¼ x 1, 1½ x ½, 1½ x ¾, 1½ x 1, 1½ x 1¼, 2 x ¾, 2 x 1, 2 x 1½, 2½ x 2	300	-20°F ~ +180°F (-29°C ~ +82°C)	S812001
813 45° Elbow	½, ¾, 1, 1¼, 1½, 2, 2½	300	-20°F ~ +180°F (-29°C ~ +82°C)	S813001
814 Tee	½, ¾, 1, 1¼, 1½, 2, 2½	300	-20°F ~ +180°F (-29°C ~ +82°C)	S814001
815 Reducing Tee	¾ x ¾ x ½, 1 x ½ x 1, 1 x ¾ x ½, 1 x ¾ x ¾, 1x ¾ x 1, 1 x 1 x ½, 1 x 1 x ¾, 1¼ x 1 x ½, 1¼ x 1 x ¾, 1¼ x 1 x 1, 1¼ x 1 x 1¼, 1¼ x 1¼ x ½, 1¼ x 1¼ x ¾, 1¼ x 1¼ x 1, 1½ x 1 x ½, 1½ x 1 x ¾, 1½ x 1 x 1, 1½ x 1 x 1½, 1½ x 1¼ x ½, 1½ x 1¼ x ¾, 1½ x 1¼ x 1, 1½ x 1½ x ½, 1½ x 1½ x ¾, 1½ x 1½ x 1, 1½ x 1½ x 1¼, 2 x 1 x 2, 2 x 1½ x 2, 2 x 1¼ x 2, 2 x 1½ x ½, 2 x 1½ x ¾, 2 x 1½ x 1, 2 x 1½ x 1½, 2 x 1½ x 2, 2 x 2 x ½, 2 x 2 x ¾, 2 x 2 x 1, 2 x 2 x 1¼, 2 x 2 x 1½, 2½ x 2 x ¾	300	-20°F ~ +180°F (-29°C ~ +82°C)	S815001 S815002 S815003
815 Bullhead Tee	¾ x ¾ x ½, 1 x 1 x 1¼, 1 x 1 x 1½, 1¼ x 1 x 1½, 1¼ x 1¼ x 1½, 1¼ x 1¼ x 2, 1½ x 1¼ x 2, 1½ x 1½ x 2, 2 x 2 x 2½	300	-20°F ~ +180°F (-29°C ~ +82°C)	S815001 S815002 S815003
816 Reducing Coupling	¾ x ½, 1 x ½, 1 x ¾, 1¼ x ¾, 1¼ x 1 1½ x 1, 1½ x 1¼, 2 x 1, 2 x 1¼, 2 x 1½, 2½ x 2	300	-20°F ~ +180°F (-29°C ~ +82°C)	S816001
817 Cross	½, ¾, 1, 1¼, 1½, 2	300	-20°F ~ +180°F (-29°C ~ +82°C)	S817001 S817002
817 Reducing Cross	1¼ x 1¼ x 1 x 1, 1½ x 1½ x 1 x 1, 2 x 2 x 1 x 1	300	-20°F ~ +180°F (-29°C ~ +82°C)	S817001 S817002
818 Straight Coupling	½, ¾, 1, 1¼, 1½, 2, 2½	300	-20°F ~ +180°F (-29°C ~ +82°C)	S818001

Model Number	Size Range (inch)	Rated Pressure (psi)	Service Temperature	Drawings
819 Plug	½, ¾, 1, 1¼, 1½, 2	300	-20°F ~ +180°F (-29°C ~ +82°C)	S819001
820 Cap	½, ¾, 1, 1¼, 1½, 2, 2½	300	-20°F ~ +180°F (-29°C ~ +82°C)	S820001
825 Extension Piece	½ x 1½ L, ½ x 2 L, ¾ x 1½ L, ¾ x 2 L	300	-20°F ~ +180°F (-29°C ~ +82°C)	S825001
827 Hex Bushing	1 x ½, 1 x ¾, 1¼ x 1, 1½ x 1, 1½ x 1¼, 2 x 1, 2 x 1¼, 2 x 1½	300	-20°F ~ +180°F (-29°C ~ +82°C)	S827001
830 Brass Seat Union	½, ¾, 1, 1¼, 1½, 2	175	-20°F ~ +180°F (-29°C ~ +82°C)	S830001
831 Long Street 90° Elbow	1 x ½ M, 1 x 1 M	300	-20°F ~ +180°F (-29°C ~ +82°C)	S198
832 Long Street Tee	1 x ½ x 1 M, 1 x 1 x 1 M	300	-20°F ~ +180°F (-29°C ~ +82°C)	S179
Bolts/nuts				7705TB

CRN Registration

Oct. 30, 2020

Shurjoint Grooved Components are to be registered.

Fittings:

Copper Series Products

Model Number	Size Range (inch)	Rated Pressure (psi)	Service Temperature	Drawing
C305 Rigid Coupling	2, 2-1/2, 3, 4, 5, 6	200	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	AS-C305 H1C7 GC4 7705TB
C306 Reducing Coupling	2-1/2 x 2, 3 x 2, 3 x 2-1/2, 4 x 2-1/2, 4 x 3, 5 x 4, 6 x 4	200	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	AS-C306 H1CD GCD 7705TB
C307 Transition Coupling	2, 2-1/2, 3, 4	200	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	AS-C307 H1C9 GC9 7705TB
C10 90° Elbow	2, 2-1/2, 3, 4, 5, 6	225	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	1CSDa
C11 45° Elbow	2, 2-1/2, 3, 4, 5, 6	175	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	
C20 Tee	2, 2-1/2, 3, 4, 5	200	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	
	6	150		
C60 Cap	2, 2-1/2, 3, 4, 5, 6	175	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	1C6

Model Number	Size Range (inch)	Rated Pressure (psi)	Service Temperature	Drawing
C21 Reducing Tee	2-1/2 x 2, 3 x 2, 3 x 2-1/2, 4 x 2, 4 x 2-1/2, 4 x 3, 5 x 3, 5 x 4, 6 x 2-1/2, 6 x 3, 6 x 4, 6 x 5	200	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	1CRDa
C50 Concentric Reducer	2-1/2 x 2, 3 x 2, 3 x 2-1/2, 4 x 2, 4 x 2-1/2, 4 x 3, 5 x 3, 5 x 4, 6 x 2-1/2, 6 x 3, 6 x 4, 6 x 5	200	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	
C26 Reducing Tee	2 x 3/4, 2 x 1, 2 x 1-1/4, 2x 1-1/2, 2-1/2 x 3/4, 2-1/2 x 1, 2-1/2 x 1-1/4, 2-1/2 x 1-1/2, 2-1/2 x 2, 3 x 3/4, 3 x 1, 3 x 1-1/4, 3 x 1-1/2, 3 x 2, 4 x 3/4, 4 x 1, 4 x 1-1/4, 4 x 1-1/2, 4 x 2	175	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	1CG
C52 Concentric Reducer	2 x 1, 2 x 1-1/4, 2 x 1-1/2, 2-1/2 x 1, 2-1/2 x 1-1/4, 2-1/2 x 1-1/2, 2-1/2 x 2, 3 x 1-1/2, 3 x 2, 4 x 2	175	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	1C7
C55 Transition Adapter	1-1/2 x 2, 2 x 2, 2-1/2 x 2-1/2, 3 x 3	175	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	1CC
DE30-GG Dielectric Transition Fitting	2, 2-1/2, 3, 4, 5, 6	200	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	132

CRN Registration

Oct. 30, 2020

Shurjoint Grooved Components are to be registered.

Fittings:

Stainless Steel Series Products

Model Number	Size Range (inch)	Rated Pressure (psi)	Service Temperature	Drawing
SS-7 Stainless Steel Rigid Coupling	1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8	250	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	1S7 G15a STB
SS-7X Stainless Steel Rigid Coupling	10, 12, 14, 16, 18, 20, 22, 24	150	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	AS-SS7X H1SUa H1SUB G15a G15b STB
SS-8 Stainless Steel Flexible Coupling	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8	200	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	As-SS8 H1S8 G15a STB
SS-8X Stainless Steel Heavy Duty Flexible Coupling	3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8	300	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	AS-SS8X H18X G15a STB
SS-10 90° Elbow	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10	300	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	SSD
SS-11 45° Elbow	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8	300	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	
SS-20 Tee	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8	300	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	

Model Number	Size Range (inch)	Rated Pressure (psi)	Service Temperature	Drawing
SS-60 Cap	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8	300	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	1S4
SS-21 Reducing Tee	1-1/4 x 1, 1-1/2 x 1, 1-1/2 x 1-1/4, 2 x 1, 2 x 1-1/4, 2 x 1-1/2, 3 x 2-1/2, 4 x 2-1/2, 4 x 3, 5 x 4, 6 x 3	300	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	1SRDa
SS-50 Concentric Reducer	1-1/4 x 1, 1-1/2 x 1, 1-1/2 x 1-1/4, 2 x 1, 2 x 1-1/4, 2 x 1-1/2, 2-1/2 x 1, 2-1/2 x 1-1/4, 2-1/2 x 1-1/2, 2-1/2 x 2, 3 x 1-1/4, 3 x 1-1/2, 3 x 2, 3 x 2-1/2, 4 x 2, 4 x 2-1/2, 6 x 4, 8 x 4, 8 x 6	300	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	
SS-21F Reducing Tee	2-1/2 x 2, 3 x 2, 4 x 2	300	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	1S6
SS-50F Concentric Reducer	2-1/2 x 2, 3 x 2, 4 x 2	300	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	1S5
SS-723 Stainless Steel Mechanical Tee	1-1/4 x 1/2, 1-1/4 x 3/4, 1-1/4 x 1, 1-1/2 x 1/2, 1-1/2 x 3/4, 1-1/2 x 1, 2 x 1/2, 2 x 3/4, 2 x 1	300	EPDM: -20°F ~ +180°F (-29°C ~ +82°C)	AS-SS723 1SHU 1SHL G133b STB