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August 21, 2023

ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 14048155
Your Reference No.: R-15478
Registered to: AALBERTS INTEGRATED PIPING SYSTEMS AMERICAS, INC.

Dear SCOTT ISLIP,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN : 0A24744.5
Main Design No.: Scope of registration, Manufacturers site list, Design report R-1547B Rev 0
Expiry Date: Aug 21, 2023

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Ruiming You P,ENG
Engineer, BPV
Tel. : +1 416-734-3428
Email : ryou@tssa.org



Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
 www.tssa.org



integrated piping systems



Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

STATUTORY DECLARATION Registration of Fittings

I, Julie Howell, Director of New Product Engineering

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Aalberts Integrated Piping Systems Americas, Inc.

(Name of Manufacturer)

Located at 10715 Sikes Place, Suite 200 Charlotte, NC, 28277

(Plant Address)

704-847-9191

(Telephone No.)

(Fax No.)

do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3, B31.1, B31.9

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2015 which has been verified by the following authority, See Attached Worldwide Locations Appendix.

The items covered by this declaration, for which I seek registration, are category A - Press Connect Fittings type fittings. In support of this application, the following information and/or test data are attached as follows:

Scope of CRN, Drawings, Calculations, Reports, Worldwide Locations Appendix

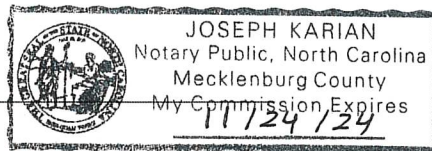
(drawings, calculations, test reports, etc.)

Declared before me at Charlotte in the County of Mecklenburg
 the 12th day of June AD 2023.

Commissioner for Oaths:

Joseph Karian

(Printed name)



(Signature)

Julie Howell
(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category _____.

CRN: _____

Registered by: _____

Dated: _____

NOTE: This registration expires on: Aug 21, 2033

Technical Standards and Safety Authority Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0A24744.5

Signed: Ryan

Date: August 21, 2023.

registration per B31.1 and B31.3 standard

**Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.*



THIS IS PART OF CRN
 0A24744.5
 Technical Standards and Safety Authority
 Boilers and Pressure Vessels Safety
 Program

SCOPE OF CRN REGISTRATION

Product Description	Design Code	Models	Material Specification(s)	Product Size	MAWP at 100°F	MAWP at 392°F (Note 4,5)	MDMT	Report Number
					When installed on ASTM A312 Sch. 5S Pipe Minimum Thickness			
Apollo Smart-Press Fittings	ASME B31.3, ASME B31.1, ASME B31.9 (Note 3)	See Note 6	Stainless steel pipe in accordance with EN10217-7 meeting the requirements of ASTM A312-316L, Stainless Steel ASTM A479-316L, Stainless Steel ASTM A182-F316L	1/2"	300 psig at 100°F	300 psig at 392°F	-31°F	R-1547B Rev. 0
				3/4"	300 psig at 100°F	300 psig at 392°F		
				1"	300 psig at 100°F	300 psig at 392°F		
				1-1/2"	300 psig at 100°F	300 psig at 392°F		
				2"	300 psig at 100°F	300 psig at 392°F		

Product Description	Design Code	Models	Material Specification(s)	Product Size	MAWP at 100°F	MAWP at 392°F (Note 4,5)	MDMT	Report Number
					When installed on ASTM A312 Sch. 10S Pipe Minimum Thickness			
Apollo Smart-Press Fittings	ASME B31.3, ASME B31.1, ASME B31.9 (Note 3)	See Note 6	Stainless steel pipe in accordance with EN10217-7 meeting the requirements of ASTM A312-316L, Stainless Steel ASTM A479-316L, Stainless Steel ASTM A182-F316L	1/2"	500 psig at 100°F	500 psig at 392°F	-31°F	R-1547B Rev. 0
				3/4"	500 psig at 100°F	500 psig at 392°F		
				1"	500 psig at 100°F	500 psig at 392°F		
				1-1/2"	475 psig at 100°F	475 psig at 392°F		
				2"	385 psig at 100°F	385 psig at 392°F		

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design Metal Temperature.

Note 2: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

Note 3: In accordance with Ontario Regulation 220/01 the amendment to CSA B51 - Part 1 Clause 2 does not include ASME B31.9, therefore ASME B31.9 shall not be used as a design code in the Province of Ontario.

Note 4: The CRN Pressure-Temperature ratings are the maximum ratings to be used with the CRN. In all cases the maximum allowable working pressure and temperature may be limited by the seal material or other considerations. Consult product literature.

Note 5: The fittings are suitable up to a maximum temperature of 446°F for short term operation depending on the seal material. Consult product literature.

Note 6: The following **Fitting** items numbers are covered under this CRN.

Seals	EPDM	
Fitting Model	Item Number	Product description
500E	123456924	Apollo SmartPress AISI316 straight coupling EPDM FF 1/2"
500E	123456925	Apollo SmartPress AISI316 straight coupling EPDM FF 3/4"
500E	123456926	Apollo SmartPress AISI316 straight coupling EPDM FF 1"
500E	123456927	Apollo SmartPress AISI316 straight coupling EPDM FF 1 1/2"
500E	123456928	Apollo SmartPress AISI316 straight coupling EPDM FF 2"
501E	123456929	Apollo SmartPress AISI316 slip coupling EPDM FF 1/2"
501E	123456930	Apollo SmartPress AISI316 slip coupling EPDM FF 3/4"
501E	123456931	Apollo SmartPress AISI316 slip coupling EPDM FF 1"
501E	123456932	Apollo SmartPress AISI316 slip coupling EPDM FF 1 1/2"
501E	123456933	Apollo SmartPress AISI316 slip coupling EPDM FF 2"
503E	123456943	Apollo SmartPress AISI316 straight connector EPDM FF 1/2"xFPT1/2"
503E	123456944	Apollo SmartPress AISI316 straight connector EPDM FF 3/4"xFPT1/2"
503E	123456945	Apollo SmartPress AISI316 straight connector EPDM FF 3/4"xFPT3/4"
503E	123456946	Apollo SmartPress AISI316 straight connector EPDM FF 1"xFPT1/2"
503E	123456947	Apollo SmartPress AISI316 straight connector EPDM FF 1"xFPT3/4"
503E	123456948	Apollo SmartPress AISI316 straight connector EPDM FF 1"xFPT1"
503E	123456949	Apollo SmartPress AISI316 straight connector EPDM FF 1 1/2"xFPT1"
503E	123456950	Apollo SmartPress AISI316 straight connector EPDM FF 1 1/2"xFPT1 1/4"
503E	123456951	Apollo SmartPress AISI316 straight connector EPDM FF 1 1/2"xFPT1 1/2"
503E	123456952	Apollo SmartPress AISI316 straight connector EPDM FF 2"xFPT1 1/4"
503E	123456953	Apollo SmartPress AISI316 straight connector EPDM FF 2"xFPT1 1/2"
503E	123456954	Apollo SmartPress AISI316 straight connector EPDM FF 2"xFPT2"
504E	123456934	Apollo SmartPress AISI316 straight connector EPDM FM 1/2"xMPT1/2"
504E	123456935	Apollo SmartPress AISI316 straight connector EPDM FM 3/4"xMPT1/2"
504E	123456936	Apollo SmartPress AISI316 straight connector EPDM FM 3/4"xMPT3/4"
504E	123456937	Apollo SmartPress AISI316 straight connector EPDM FM 3/4"xMPT1"
504E	123456938	Apollo SmartPress AISI316 straight connector EPDM FM 1"xMPT3/4"
504E	123456939	Apollo SmartPress AISI316 straight connector EPDM FM 1"xMPT1"
504E	123456940	Apollo SmartPress AISI316 straight connector EPDM FM 1 1/2"xMPT3/4"
504E	123456941	Apollo SmartPress AISI316 straight connector EPDM FM 1 1/2"xMPT1 1/2"
504E	123456942	Apollo SmartPress AISI316 straight connector EPDM FM 2"xMPT2"
506-2E	123456970	Apollo SmartPress AISI316 bend 45° EPDM FØ 1/2"
506-2E	123456971	Apollo SmartPress AISI316 bend 45° EPDM FØ 3/4"

506-2E	123456972	Apollo SmartPress AISI316 bend 45° EPDM FØ 1"
506-2E	123456973	Apollo SmartPress AISI316 bend 45° EPDM FØ 1 1/2"
506-2E	123456974	Apollo SmartPress AISI316 bend 45° EPDM FØ 2"
506E	123456965	Apollo SmartPress AISI316 bend 45° EPDM FF 1/2"
506E	123456966	Apollo SmartPress AISI316 bend 45° EPDM FF 3/4"
506E	123456967	Apollo SmartPress AISI316 bend 45° EPDM FF 1"
506E	123456968	Apollo SmartPress AISI316 bend 45° EPDM FF 1 1/2"
506E	123456969	Apollo SmartPress AISI316 bend 45° EPDM FF 2"
507-2E	123456960	Apollo SmartPress AISI316 bend 90° EPDM FØ 1/2"
507-2E	123456961	Apollo SmartPress AISI316 bend 90° EPDM FØ 3/4"
507-2E	123456962	Apollo SmartPress AISI316 bend 90° EPDM FØ 1"
507-2E	123456963	Apollo SmartPress AISI316 bend 90° EPDM FØ 1 1/2"
507-2E	123456964	Apollo SmartPress AISI316 bend 90° EPDM FØ 2"
507E	123456955	Apollo SmartPress AISI316 bend 90° EPDM FF 1/2"
507E	123456956	Apollo SmartPress AISI316 bend 90° EPDM FF 3/4"
507E	123456957	Apollo SmartPress AISI316 bend 90° EPDM FF 1"
507E	123456958	Apollo SmartPress AISI316 bend 90° EPDM FF 1 1/2"
507E	123456959	Apollo SmartPress AISI316 bend 90° EPDM FF 2"
511E	123456975	Apollo SmartPress AISI316 T-piece EPDM FFF 1/2"
511E	123456976	Apollo SmartPress AISI316 T-piece EPDM FFF 3/4"
511E	123456977	Apollo SmartPress AISI316 T-piece EPDM FFF 1"
511E	123456978	Apollo SmartPress AISI316 T-piece EPDM FFF 1 1/2"
511E	123456979	Apollo SmartPress AISI316 T-piece EPDM FFF 2"
511RE	123456980	Apollo SmartPress AISI316 T-piece reduced EPDM FFF 3/4"x3/4"x1/2"
511RE	123456981	Apollo SmartPress AISI316 T-piece reduced EPDM FFF 1"x1"x1/2"
511RE	123456982	Apollo SmartPress AISI316 T-piece reduced EPDM FFF 1"x1"x3/4"
511RE	123456983	Apollo SmartPress AISI316 T-piece reduced EPDM FFF 1 1/2"x1 1/2"x1/2"
511RE	123456984	Apollo SmartPress AISI316 T-piece reduced EPDM FFF 1 1/2"x1 1/2"x3/4"
511RE	123456985	Apollo SmartPress AISI316 T-piece reduced EPDM FFF 1 1/2"x1 1/2"x1"
511RE	123456986	Apollo SmartPress AISI316 T-piece reduced EPDM FFF 2"x2"x1/2"
511RE	123456987	Apollo SmartPress AISI316 T-piece reduced EPDM FFF 2"x2"x3/4"
511RE	123456988	Apollo SmartPress AISI316 T-piece reduced EPDM FFF 2"x2"x1"
511RE	123456989	Apollo SmartPress AISI316 T-piece reduced EPDM FFF 2"x2"x1 1/2"
517E	123457032	Apollo SmartPress AISI316 stop end EPDM F 1/2"
517E	123457033	Apollo SmartPress AISI316 stop end EPDM F 3/4"
517E	123457034	Apollo SmartPress AISI316 stop end EPDM F 1"
517E	123457035	Apollo SmartPress AISI316 stop end EPDM F 1 1/2"
517E	123457036	Apollo SmartPress AISI316 stop end EPDM F 2"
518E	123457002	Apollo SmartPress AISI316 reducer EPDM ØF 3/4"x1/2"
518E	123457003	Apollo SmartPress AISI316 reducer EPDM ØF 1"x1/2"
518E	123457004	Apollo SmartPress AISI316 reducer EPDM ØF 1"x3/4"

518E	123457005	Apollo SmartPress AISI316 reducer EPDM ØF 1 1/2"x1/2"
518E	123457006	Apollo SmartPress AISI316 reducer EPDM ØF 1 1/2"x3/4"
518E	123457007	Apollo SmartPress AISI316 reducer EPDM ØF 1 1/2"x1"
518E	123457008	Apollo SmartPress AISI316 reducer EPDM ØF 2"x1/2"
518E	123457009	Apollo SmartPress AISI316 reducer EPDM ØF 2"x3/4"
518E	123457010	Apollo SmartPress AISI316 reducer EPDM ØF 2"x1"
518E	123457011	Apollo SmartPress AISI316 reducer EPDM ØF 2"x1 1/2"
5712E	123456990	Apollo SmartPress AISI316 T-piece female thread EPDM FFF 1/2"x1/2"xFPT1/2"
5712E	123456991	Apollo SmartPress AISI316 T-piece female thread EPDM FFF 3/4"x3/4"xFPT1/2"
5712E	123456992	Apollo SmartPress AISI316 T-piece female thread EPDM FFF 3/4"x3/4"xFPT3/4"
5712E	123456993	Apollo SmartPress AISI316 T-piece female thread EPDM FFF 1"x1"xFPT1/2"
5712E	123456994	Apollo SmartPress AISI316 T-piece female thread EPDM FFF 1"x1"xFPT3/4"
5712E	123456995	Apollo SmartPress AISI316 T-piece female thread EPDM FFF 1"x1"xFPT1"
5712E	123456996	Apollo SmartPress AISI316 T-piece female thread EPDM FFF 1 1/2"x1 1/2"xFPT1/2"
5712E	123456997	Apollo SmartPress AISI316 T-piece female thread EPDM FFF 1 1/2"x1 1/2"xFPT3/4"
5712E	123456998	Apollo SmartPress AISI316 T-piece female thread EPDM FFF 1 1/2"x1 1/2"xFPT1"
5712E	123456999	Apollo SmartPress AISI316 T-piece female thread EPDM FFF 2"x2"xFPT1/2"
5712E	123457000	Apollo SmartPress AISI316 T-piece female thread EPDM FFF 2"x2"xFPT3/4"
5712E	123457001	Apollo SmartPress AISI316 T-piece female thread EPDM FFF 2"x2"xFPT1"
5733E	123457022	Apollo SmartPress AISI316 straight union EPDM FF 1/2"
5733E	123457023	Apollo SmartPress AISI316 straight union EPDM FF 3/4"
5733E	123457024	Apollo SmartPress AISI316 straight union EPDM FF 1"
5733E	123457025	Apollo SmartPress AISI316 straight union EPDM FF 1 1/2"
5733E	123457026	Apollo SmartPress AISI316 straight union EPDM FF 2"
5771E	123457012	Apollo SmartPress AISI316 flange adapter EPDM F 1/2" Class 150
5771E	123457013	Apollo SmartPress AISI316 flange adapter EPDM F 3/4" Class 150
5771E	123457014	Apollo SmartPress AISI316 flange adapter EPDM F 1" Class 150
5771E	123457015	Apollo SmartPress AISI316 flange adapter EPDM F 1 1/2" Class 150
5771E	123457016	Apollo SmartPress AISI316 flange adapter EPDM F 2" Class 150
5772E	123457017	Apollo SmartPress AISI316 Van Stone adapter EPDM F 1/2" Class 150
5772E	123457018	Apollo SmartPress AISI316 Van Stone adapter EPDM F 3/4" Class 150
5772E	123457019	Apollo SmartPress AISI316 Van Stone adapter EPDM F 1" Class 150
5772E	123457020	Apollo SmartPress AISI316 Van Stone adapter EPDM F 1 1/2" Class 150
5772E	123457021	Apollo SmartPress AISI316 Van Stone adapter EPDM F 2" Class 150

Seals		HNBR
Fitting Model	Item Number	Product description
500H	123456811	Apollo SmartPress AISI316 straight coupling HNBR FF 1/2"
500H	123456812	Apollo SmartPress AISI316 straight coupling HNBR FF 3/4"
500H	123456813	Apollo SmartPress AISI316 straight coupling HNBR FF 1"

500H	123456814	Apollo SmartPress AISI316 straight coupling HNBR FF 1 1/2"
500H	123456815	Apollo SmartPress AISI316 straight coupling HNBR FF 2"
501H	123456816	Apollo SmartPress AISI316 slip coupling HNBR FF 1/2"
501H	123456817	Apollo SmartPress AISI316 slip coupling HNBR FF 3/4"
501H	123456818	Apollo SmartPress AISI316 slip coupling HNBR FF 1"
501H	123456819	Apollo SmartPress AISI316 slip coupling HNBR FF 1 1/2"
501H	123456820	Apollo SmartPress AISI316 slip coupling HNBR FF 2"
503H	123456830	Apollo SmartPress AISI316 straight connector HNBR FF 1/2"xFPT1/2"
503H	123456831	Apollo SmartPress AISI316 straight connector HNBR FF 3/4"xFPT1/2"
503H	123456832	Apollo SmartPress AISI316 straight connector HNBR FF 3/4"xFPT3/4"
503H	123456833	Apollo SmartPress AISI316 straight connector HNBR FF 1"xFPT1/2"
503H	123456834	Apollo SmartPress AISI316 straight connector HNBR FF 1"xFPT3/4"
503H	123456835	Apollo SmartPress AISI316 straight connector HNBR FF 1"xFPT1"
503H	123456836	Apollo SmartPress AISI316 straight connector HNBR FF 1 1/2"xFPT1"
503H	123456837	Apollo SmartPress AISI316 straight connector HNBR FF 1 1/2"xFPT1 1/4"
503H	123456838	Apollo SmartPress AISI316 straight connector HNBR FF 1 1/2"xFPT1 1/2"
503H	123456839	Apollo SmartPress AISI316 straight connector HNBR FF 2"xFPT1 1/4"
503H	123456840	Apollo SmartPress AISI316 straight connector HNBR FF 2"xFPT1 1/2"
503H	123456841	Apollo SmartPress AISI316 straight connector HNBR FF 2"xFPT2"
504H	123456821	Apollo SmartPress AISI316 straight connector HNBR FM 1/2"xMPT1/2"
504H	123456822	Apollo SmartPress AISI316 straight connector HNBR FM 3/4"xMPT1/2"
504H	123456823	Apollo SmartPress AISI316 straight connector HNBR FM 3/4"xMPT3/4"
504H	123456824	Apollo SmartPress AISI316 straight connector HNBR FM 3/4"xMPT1"
504H	123456825	Apollo SmartPress AISI316 straight connector HNBR FM 1"xMPT3/4"
504H	123456826	Apollo SmartPress AISI316 straight connector HNBR FM 1"xMPT1"
504H	123456827	Apollo SmartPress AISI316 straight connector HNBR FM 1 1/2"xMPT3/4"
504H	123456828	Apollo SmartPress AISI316 straight connector HNBR FM 1 1/2"xMPT1 1/2"
504H	123456829	Apollo SmartPress AISI316 straight connector HNBR FM 2"xMPT2"
506-2H	123456857	Apollo SmartPress AISI316 bend 45° HNBR FØ 1/2"
506-2H	123456858	Apollo SmartPress AISI316 bend 45° HNBR FØ 3/4"
506-2H	123456859	Apollo SmartPress AISI316 bend 45° HNBR FØ 1"
506-2H	123456860	Apollo SmartPress AISI316 bend 45° HNBR FØ 1 1/2"
506-2H	123456861	Apollo SmartPress AISI316 bend 45° HNBR FØ 2"
506H	123456852	Apollo SmartPress AISI316 bend 45° HNBR FF 1/2"
506H	123456853	Apollo SmartPress AISI316 bend 45° HNBR FF 3/4"
506H	123456854	Apollo SmartPress AISI316 bend 45° HNBR FF 1"
506H	123456855	Apollo SmartPress AISI316 bend 45° HNBR FF 1 1/2"
506H	123456856	Apollo SmartPress AISI316 bend 45° HNBR FF 2"
507-2H	123456847	Apollo SmartPress AISI316 bend 90° HNBR FØ 1/2"
507-2H	123456848	Apollo SmartPress AISI316 bend 90° HNBR FØ 3/4"
507-2H	123456849	Apollo SmartPress AISI316 bend 90° HNBR FØ 1"

507-2H	123456850	Apollo SmartPress AISI316 bend 90° HNBR FØ 1 1/2"
507-2H	123456851	Apollo SmartPress AISI316 bend 90° HNBR FØ 2"
507H	123456842	Apollo SmartPress AISI316 bend 90° HNBR FF 1/2"
507H	123456843	Apollo SmartPress AISI316 bend 90° HNBR FF 3/4"
507H	123456844	Apollo SmartPress AISI316 bend 90° HNBR FF 1"
507H	123456845	Apollo SmartPress AISI316 bend 90° HNBR FF 1 1/2"
507H	123456846	Apollo SmartPress AISI316 bend 90° HNBR FF 2"
511H	123456862	Apollo SmartPress AISI316 T-piece HNBR FFF 1/2"
511H	123456863	Apollo SmartPress AISI316 T-piece HNBR FFF 3/4"
511H	123456864	Apollo SmartPress AISI316 T-piece HNBR FFF 1"
511H	123456865	Apollo SmartPress AISI316 T-piece HNBR FFF 1 1/2"
511H	123456866	Apollo SmartPress AISI316 T-piece HNBR FFF 2"
511RH	123456867	Apollo SmartPress AISI316 T-piece reduced HNBR FFF 3/4"x3/4"x1/2"
511RH	123456868	Apollo SmartPress AISI316 T-piece reduced HNBR FFF 1"x1"x1/2"
511RH	123456869	Apollo SmartPress AISI316 T-piece reduced HNBR FFF 1"x1"x3/4"
511RH	123456870	Apollo SmartPress AISI316 T-piece reduced HNBR FFF 1 1/2"x1 1/2"x1/2"
511RH	123456871	Apollo SmartPress AISI316 T-piece reduced HNBR FFF 1 1/2"x1 1/2"x3/4"
511RH	123456872	Apollo SmartPress AISI316 T-piece reduced HNBR FFF 1 1/2"x1 1/2"x1"
511RH	123456873	Apollo SmartPress AISI316 T-piece reduced HNBR FFF 2"x2"x1/2"
511RH	123456874	Apollo SmartPress AISI316 T-piece reduced HNBR FFF 2"x2"x3/4"
511RH	123456875	Apollo SmartPress AISI316 T-piece reduced HNBR FFF 2"x2"x1"
511RH	123456876	Apollo SmartPress AISI316 T-piece reduced HNBR FFF 2"x2"x1 1/2"
517H	123456919	Apollo SmartPress AISI316 stop end HNBR F 1/2"
517H	123456920	Apollo SmartPress AISI316 stop end HNBR F 3/4"
517H	123456921	Apollo SmartPress AISI316 stop end HNBR F 1"
517H	123456922	Apollo SmartPress AISI316 stop end HNBR F 1 1/2"
517H	123456923	Apollo SmartPress AISI316 stop end HNBR F 2"
518H	123456889	Apollo SmartPress AISI316 reducer HNBR ØF 3/4"x1/2"
518H	123456890	Apollo SmartPress AISI316 reducer HNBR ØF 1"x1/2"
518H	123456891	Apollo SmartPress AISI316 reducer HNBR ØF 1"x3/4"
518H	123456892	Apollo SmartPress AISI316 reducer HNBR ØF 1 1/2"x1/2"
518H	123456893	Apollo SmartPress AISI316 reducer HNBR ØF 1 1/2"x3/4"
518H	123456894	Apollo SmartPress AISI316 reducer HNBR ØF 1 1/2"x1"
518H	123456895	Apollo SmartPress AISI316 reducer HNBR ØF 2"x1/2"
518H	123456896	Apollo SmartPress AISI316 reducer HNBR ØF 2"x3/4"
518H	123456897	Apollo SmartPress AISI316 reducer HNBR ØF 2"x1"
518H	123456898	Apollo SmartPress AISI316 reducer HNBR ØF 2"x1 1/2"
5712H	123456877	Apollo SmartPress AISI316 T-piece female thread HNBR FFF 1/2"x1/2"xFPT1/2"
5712H	123456878	Apollo SmartPress AISI316 T-piece female thread HNBR FFF 3/4"x3/4"xFPT1/2"
5712H	123456879	Apollo SmartPress AISI316 T-piece female thread HNBR FFF 3/4"x3/4"xFPT3/4"
5712H	123456880	Apollo SmartPress AISI316 T-piece female thread HNBR FFF 1"x1"xFPT1/2"

5712H	123456881	Apollo SmartPress AISI316 T-piece female thread HNBR FFF 1"x1"xFPT3/4"
5712H	123456882	Apollo SmartPress AISI316 T-piece female thread HNBR FFF 1"x1"xFPT1"
5712H	123456883	Apollo SmartPress AISI316 T-piece female thread HNBR FFF 1 1/2"x1 1/2"xFPT1/2"
5712H	123456884	Apollo SmartPress AISI316 T-piece female thread HNBR FFF 1 1/2"x1 1/2"xFPT3/4"
5712H	123456885	Apollo SmartPress AISI316 T-piece female thread HNBR FFF 1 1/2"x1 1/2"xFPT1"
5712H	123456886	Apollo SmartPress AISI316 T-piece female thread HNBR FFF 2"x2"xFPT1/2"
5712H	123456887	Apollo SmartPress AISI316 T-piece female thread HNBR FFF 2"x2"xFPT3/4"
5712H	123456888	Apollo SmartPress AISI316 T-piece female thread HNBR FFF 2"x2"xFPT1"
5733H	123456909	Apollo SmartPress AISI316 straight union HNBR FF 1/2"
5733H	123456910	Apollo SmartPress AISI316 straight union HNBR FF 3/4"
5733H	123456911	Apollo SmartPress AISI316 straight union HNBR FF 1"
5733H	123456912	Apollo SmartPress AISI316 straight union HNBR FF 1 1/2"
5733H	123456913	Apollo SmartPress AISI316 straight union HNBR FF 2"
5771H	123456899	Apollo SmartPress AISI316 flange adapter HNBR F 1/2" Class 150
5771H	123456900	Apollo SmartPress AISI316 flange adapter HNBR F 3/4" Class 150
5771H	123456901	Apollo SmartPress AISI316 flange adapter HNBR F 1" Class 150
5771H	123456902	Apollo SmartPress AISI316 flange adapter HNBR F 1 1/2" Class 150
5771H	123456903	Apollo SmartPress AISI316 flange adapter HNBR F 2" Class 150
5772H	123456904	Apollo SmartPress AISI316 Van Stone adapter HNBR F 1/2" Class 150
5772H	123456905	Apollo SmartPress AISI316 Van Stone adapter HNBR F 3/4" Class 150
5772H	123456906	Apollo SmartPress AISI316 Van Stone adapter HNBR F 1" Class 150
5772H	123456907	Apollo SmartPress AISI316 Van Stone adapter HNBR F 1 1/2" Class 150
5772H	123456908	Apollo SmartPress AISI316 Van Stone adapter HNBR F 2" Class 150

Seals		FKM
Fitting Model	Item Number	Product description
500F	123457037	Apollo SmartPress AISI316 straight coupling FKM FF 1/2"
500F	123457038	Apollo SmartPress AISI316 straight coupling FKM FF 3/4"
500F	123457039	Apollo SmartPress AISI316 straight coupling FKM FF 1"
500F	123457040	Apollo SmartPress AISI316 straight coupling FKM FF 1 1/2"
500F	123457041	Apollo SmartPress AISI316 straight coupling FKM FF 2"
501F	123457042	Apollo SmartPress AISI316 slip coupling FKM FF 1/2"
501F	123457043	Apollo SmartPress AISI316 slip coupling FKM FF 3/4"
501F	123457044	Apollo SmartPress AISI316 slip coupling FKM FF 1"
501F	123457045	Apollo SmartPress AISI316 slip coupling FKM FF 1 1/2"
501F	123457046	Apollo SmartPress AISI316 slip coupling FKM FF 2"
503F	123457056	Apollo SmartPress AISI316 straight connector FKM FF 1/2"xFPT1/2"
503F	123457057	Apollo SmartPress AISI316 straight connector FKM FF 3/4"xFPT1/2"
503F	123457058	Apollo SmartPress AISI316 straight connector FKM FF 3/4"xFPT3/4"
503F	123457059	Apollo SmartPress AISI316 straight connector FKM FF 1"xFPT1/2"

503F	123457060	Apollo SmartPress AISI316 straight connector FKM FF 1"xFPT3/4"
503F	123457061	Apollo SmartPress AISI316 straight connector FKM FF 1"xFPT1"
503F	123457062	Apollo SmartPress AISI316 straight connector FKM FF 1 1/2"xFPT1"
503F	123457063	Apollo SmartPress AISI316 straight connector FKM FF 1 1/2"xFPT1 1/4"
503F	123457064	Apollo SmartPress AISI316 straight connector FKM FF 1 1/2"xFPT1 1/2"
503F	123457065	Apollo SmartPress AISI316 straight connector FKM FF 2"xFPT1 1/4"
503F	123457066	Apollo SmartPress AISI316 straight connector FKM FF 2"xFPT1 1/2"
503F	123457067	Apollo SmartPress AISI316 straight connector FKM FF 2"xFPT2"
504F	123457047	Apollo SmartPress AISI316 straight connector FKM FM 1/2"xMPT1/2"
504F	123457048	Apollo SmartPress AISI316 straight connector FKM FM 3/4"xMPT1/2"
504F	123457049	Apollo SmartPress AISI316 straight connector FKM FM 3/4"xMPT3/4"
504F	123457050	Apollo SmartPress AISI316 straight connector FKM FM 3/4"xMPT1"
504F	123457051	Apollo SmartPress AISI316 straight connector FKM FM 1"xMPT3/4"
504F	123457052	Apollo SmartPress AISI316 straight connector FKM FM 1"xMPT1"
504F	123457053	Apollo SmartPress AISI316 straight connector FKM FM 1 1/2"xMPT3/4"
504F	123457054	Apollo SmartPress AISI316 straight connector FKM FM 1 1/2"xMPT1 1/2"
504F	123457055	Apollo SmartPress AISI316 straight connector FKM FM 2"xMPT2"
506-2F	123457083	Apollo SmartPress AISI316 bend 45° FKM FØ 1/2"
506-2F	123457084	Apollo SmartPress AISI316 bend 45° FKM FØ 3/4"
506-2F	123457085	Apollo SmartPress AISI316 bend 45° FKM FØ 1"
506-2F	123457086	Apollo SmartPress AISI316 bend 45° FKM FØ 1 1/2"
506-2F	123457087	Apollo SmartPress AISI316 bend 45° FKM FØ 2"
506F	123457078	Apollo SmartPress AISI316 bend 45° FKM FF 1/2"
506F	123457079	Apollo SmartPress AISI316 bend 45° FKM FF 3/4"
506F	123457080	Apollo SmartPress AISI316 bend 45° FKM FF 1"
506F	123457081	Apollo SmartPress AISI316 bend 45° FKM FF 1 1/2"
506F	123457082	Apollo SmartPress AISI316 bend 45° FKM FF 2"
507-2F	123457073	Apollo SmartPress AISI316 bend 90° FKM FØ 1/2"
507-2F	123457074	Apollo SmartPress AISI316 bend 90° FKM FØ 3/4"
507-2F	123457075	Apollo SmartPress AISI316 bend 90° FKM FØ 1"
507-2F	123457076	Apollo SmartPress AISI316 bend 90° FKM FØ 1 1/2"
507-2F	123457077	Apollo SmartPress AISI316 bend 90° FKM FØ 2"
507F	123457068	Apollo SmartPress AISI316 bend 90° FKM FF 1/2"
507F	123457069	Apollo SmartPress AISI316 bend 90° FKM FF 3/4"
507F	123457070	Apollo SmartPress AISI316 bend 90° FKM FF 1"
507F	123457071	Apollo SmartPress AISI316 bend 90° FKM FF 1 1/2"
507F	123457072	Apollo SmartPress AISI316 bend 90° FKM FF 2"
511F	123457088	Apollo SmartPress AISI316 T-piece FKM FFF 1/2"
511F	123457089	Apollo SmartPress AISI316 T-piece FKM FFF 3/4"
511F	123457090	Apollo SmartPress AISI316 T-piece FKM FFF 1"
511F	123457091	Apollo SmartPress AISI316 T-piece FKM FFF 1 1/2"

511F	123457092	Apollo SmartPress AISI316 T-piece FKM FFF 2"
511RF	123457093	Apollo SmartPress AISI316 T-piece reduced FKM FFF 3/4"x3/4"x1/2"
511RF	123457094	Apollo SmartPress AISI316 T-piece reduced FKM FFF 1"x1"x1/2"
511RF	123457095	Apollo SmartPress AISI316 T-piece reduced FKM FFF 1"x1"x3/4"
511RF	123457096	Apollo SmartPress AISI316 T-piece reduced FKM FFF 1 1/2"x1 1/2"x1/2"
511RF	123457097	Apollo SmartPress AISI316 T-piece reduced FKM FFF 1 1/2"x1 1/2"x3/4"
511RF	123457098	Apollo SmartPress AISI316 T-piece reduced FKM FFF 1 1/2"x1 1/2"x1"
511RF	123457099	Apollo SmartPress AISI316 T-piece reduced FKM FFF 2"x2"x1/2"
511RF	123457100	Apollo SmartPress AISI316 T-piece reduced FKM FFF 2"x2"x3/4"
511RF	123457101	Apollo SmartPress AISI316 T-piece reduced FKM FFF 2"x2"x1"
511RF	123457102	Apollo SmartPress AISI316 T-piece reduced FKM FFF 2"x2"x1 1/2"
517F	123457145	Apollo SmartPress AISI316 stop end FKM F 1/2"
517F	123457146	Apollo SmartPress AISI316 stop end FKM F 3/4"
517F	123457147	Apollo SmartPress AISI316 stop end FKM F 1"
517F	123457148	Apollo SmartPress AISI316 stop end FKM F 1 1/2"
517F	123457149	Apollo SmartPress AISI316 stop end FKM F 2"
518F	123457115	Apollo SmartPress AISI316 reducer FKM ØF 3/4"x1/2"
518F	123457116	Apollo SmartPress AISI316 reducer FKM ØF 1"x1/2"
518F	123457117	Apollo SmartPress AISI316 reducer FKM ØF 1"x3/4"
518F	123457118	Apollo SmartPress AISI316 reducer FKM ØF 1 1/2"x1/2"
518F	123457119	Apollo SmartPress AISI316 reducer FKM ØF 1 1/2"x3/4"
518F	123457120	Apollo SmartPress AISI316 reducer FKM ØF 1 1/2"x1"
518F	123457121	Apollo SmartPress AISI316 reducer FKM ØF 2"x1/2"
518F	123457122	Apollo SmartPress AISI316 reducer FKM ØF 2"x3/4"
518F	123457123	Apollo SmartPress AISI316 reducer FKM ØF 2"x1"
518F	123457124	Apollo SmartPress AISI316 reducer FKM ØF 2"x1 1/2"
5712F	123457103	Apollo SmartPress AISI316 T-piece female thread FKM FFF 1/2"x1/2"xFPT1/2"
5712F	123457104	Apollo SmartPress AISI316 T-piece female thread FKM FFF 3/4"x3/4"xFPT1/2"
5712F	123457105	Apollo SmartPress AISI316 T-piece female thread FKM FFF 3/4"x3/4"xFPT3/4"
5712F	123457106	Apollo SmartPress AISI316 T-piece female thread FKM FFF 1"x1"xFPT1/2"
5712F	123457107	Apollo SmartPress AISI316 T-piece female thread FKM FFF 1"x1"xFPT3/4"
5712F	123457108	Apollo SmartPress AISI316 T-piece female thread FKM FFF 1"x1"xFPT1"
5712F	123457109	Apollo SmartPress AISI316 T-piece female thread FKM FFF 1 1/2"x1 1/2"xFPT1/2"
5712F	123457110	Apollo SmartPress AISI316 T-piece female thread FKM FFF 1 1/2"x1 1/2"xFPT3/4"
5712F	123457111	Apollo SmartPress AISI316 T-piece female thread FKM FFF 1 1/2"x1 1/2"xFPT1"
5712F	123457112	Apollo SmartPress AISI316 T-piece female thread FKM FFF 2"x2"xFPT1/2"
5712F	123457113	Apollo SmartPress AISI316 T-piece female thread FKM FFF 2"x2"xFPT3/4"
5712F	123457114	Apollo SmartPress AISI316 T-piece female thread FKM FFF 2"x2"xFPT1"
5733F	123457135	Apollo SmartPress AISI316 straight union FKM FF 1/2"
5733F	123457136	Apollo SmartPress AISI316 straight union FKM FF 3/4"
5733F	123457137	Apollo SmartPress AISI316 straight union FKM FF 1"

5733F	123457138	Apollo SmartPress AISI316 straight union FKM FF 1 1/2"
5733F	123457139	Apollo SmartPress AISI316 straight union FKM FF 2"
5771F	123457125	Apollo SmartPress AISI316 flange adapter FKM F 1/2" Class 150
5771F	123457126	Apollo SmartPress AISI316 flange adapter FKM F 3/4" Class 150
5771F	123457127	Apollo SmartPress AISI316 flange adapter FKM F 1" Class 150
5771F	123457128	Apollo SmartPress AISI316 flange adapter FKM F 1 1/2" Class 150
5771F	123457129	Apollo SmartPress AISI316 flange adapter FKM F 2" Class 150
5772F	123457130	Apollo SmartPress AISI316 Van Stone adapter FKM F 1/2" Class 150
5772F	123457131	Apollo SmartPress AISI316 Van Stone adapter FKM F 3/4" Class 150
5772F	123457132	Apollo SmartPress AISI316 Van Stone adapter FKM F 1" Class 150
5772F	123457133	Apollo SmartPress AISI316 Van Stone adapter FKM F 1 1/2" Class 150
5772F	123457134	Apollo SmartPress AISI316 Van Stone adapter FKM F 2" Class 150

Note 7: See attached Worldwide Locations Appendix applicable to this CRN.

WORLDWIDE LOCATIONS APPENDIX – PAGE 1 OF 2

LOCATIONS & CERTIFYING AUTHORITIES

(rev. May 3, 2023)

Aalberts Integrated Piping Systems Americas, Inc.
10715 Sikes Place, Suite 200
Charlotte, NC, 28277
ISO 9001:2015 Certified by IAPMO R&T

THIS IS PART OF CRN
0A24744.5
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

Aalberts Integrated Piping Systems Americas, Inc.
1418 S. Pearl Street
Pageland, SC 29728
USA
ISO 9001:2015 Certified by IAPMO R&T

Aalberts Integrated Piping Systems Americas, Inc.
1509 South Van Lingle
Mungo Blvd
Pageland, SC 29728
ISO 9001:2015 Certified by IAPMO R&T

Aalberts Integrated Piping Systems Americas, Inc.
125 Highway 501 East
Conway, SC 29526
ISO 9001:2015 Certified by IAPMO R&T

In addition, in accordance with CSA B51 paragraph 4.2.5 Aalberts Integrated Piping Systems Americas, Inc. is taking responsibility for the product covered under this CRN that is manufactured at:

Elkhart Products Corporation
1255 Oak Street
Elkhart, IN 46514
ISO 9001:2015 Certified by Hartford Steam Boiler

Aalberts Integrated Piping Systems Ltd.
Belmont Works
St. Catherines Avenue
Doncaster
DN4 8DF
United Kingdom
ISO 9001:2015 Certified by bsi

WORLDWIDE LOCATIONS APPENDIX – PAGE 2 OF 2

LOCATIONS & CERTIFYING AUTHORITIES

(rev. May 3, 2023)

Aalberts Integrated Piping Systems SAS

46. rue de l'Industrie
Saint Denis de l'Hotel
45550
France

ISO 9001:2015 Certified by bsi

Aalberts Integrated Piping Systems Kft

Gyarto Kft
Maglodi ut 16
Budapest
H-1106
Hungary

ISO 9001:2015 Certified by bsi

Aalberts Integrated Piping Systems B.V

Oude Amersfoortseweg 99, 1212 AA
Hilversum, Netherlands

ISO 9001:2015 Certified by DNV

Aalberts Integrated Piping Systems B.V

Productieweg 8, 3899AK Zeewolde,
Netherlands

ISO 9001:2015 Certified by DNV

Aalberts Integrated Piping Systems B.V

Propaanstraat 8/10, 7463PN Rijssen,
Netherlands

ISO 9001:2015 Certified by DNV