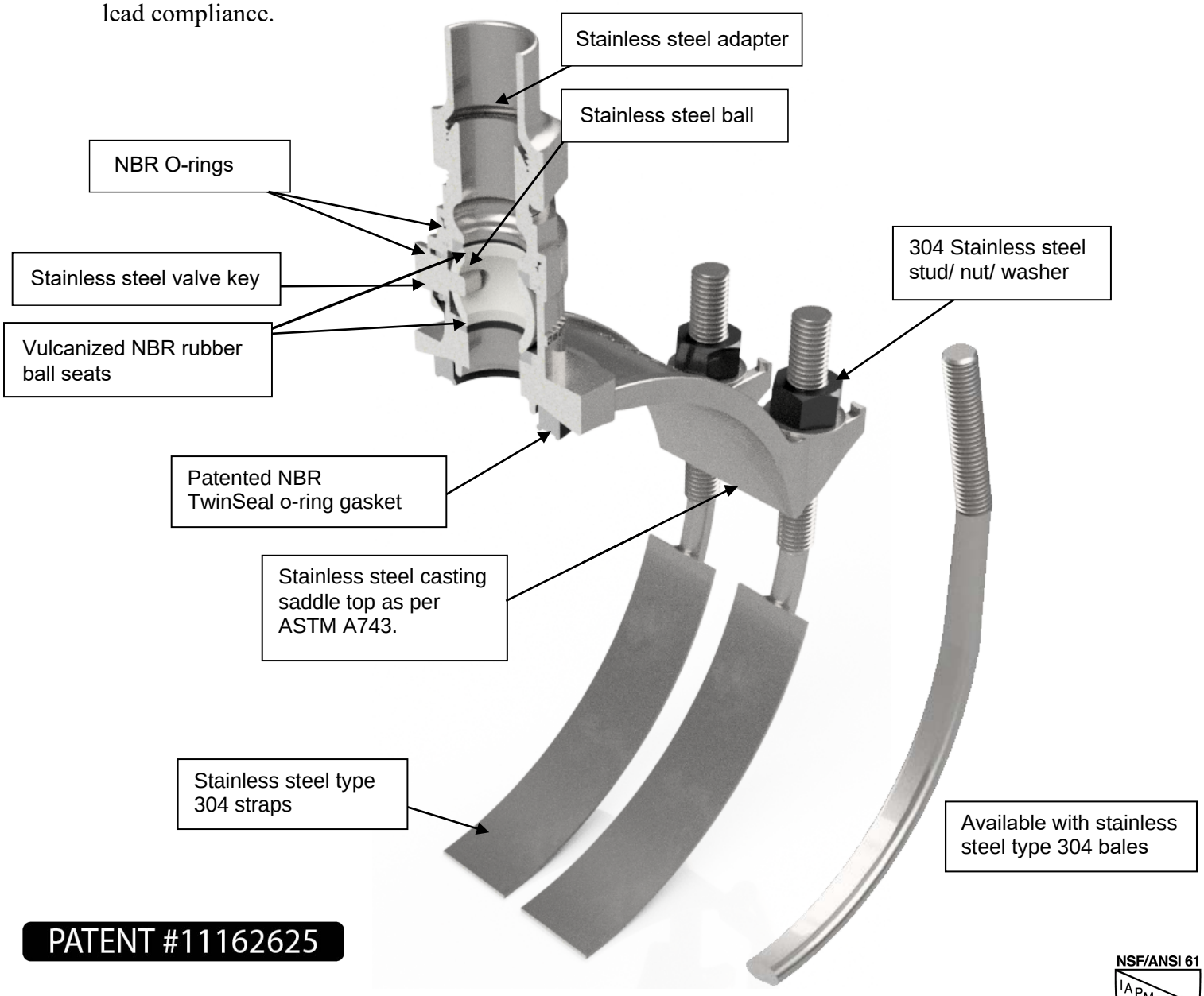
Model 3450AS Stainless Steel SaddleCorp
Certified to NSF/ANSI-61

PowerSeal PIPELINE PRODUCTS CORPORATION

Features and Benefits

1. Materials do not compromise the integrity of the pipeline.
2. Stud bolts MIG welded to straps, heavy hex nuts with fusion bonded coating to prevent seizing and galling. Never Gall coating available for extra anti-seize protection.
3. SaddleCorp are available for flare, pack joint, PowerJoint attachment fittings for (3/4", 1", 1.5", 2"). 1-1/4" outlet only available in PowerJoint.
4. SaddleCorp O-ring gasket design incorporates both hydrostatic and mechanical forces to produce a dynamic seal.
5. Available in double wide straps or one single wide strap.
6. Certifed by IAPMO R&T to NSF/ANSI 61 for materials safety only, and to NSF/ANSI 372 for low lead compliance.



PATENT #11162625

NSF/ANSI 61 IAPMO R&T C ®

Scope

The intent of the specification is to receive 3" diameter and up all cast body stainless steel SaddleCorp. The SaddleCorp furnished shall be equivalent to Model 3450AS as manufactured by PowerSeal Pipeline Products Corporation.

Design and Material Specification

The stainless steel SaddleCorp shall meet or exceed all material specifications as listed below:

1. SaddleCorp should incorporate both saddle and corp stop in one single cast piece, and shall be stainless steel as per ASTM A743.

2. The saddle body shall have an O-ring gasket permanently attached to the casting at the factory. The TwinSeal o-ring gasket along with all seals shall be made from NBR, they shall be free from porous areas, foreign material, and visible defects, all made from 100% new rubber. NBR can resist temperatures between -40 to +248ºF.

3. The MIG welded strap shall be constructed of stainless steel type 304 and shall include weld attached 5/8" stainless steel 304 stud bolts. All welds shall be passivated to return their inherent corrosive resistance.

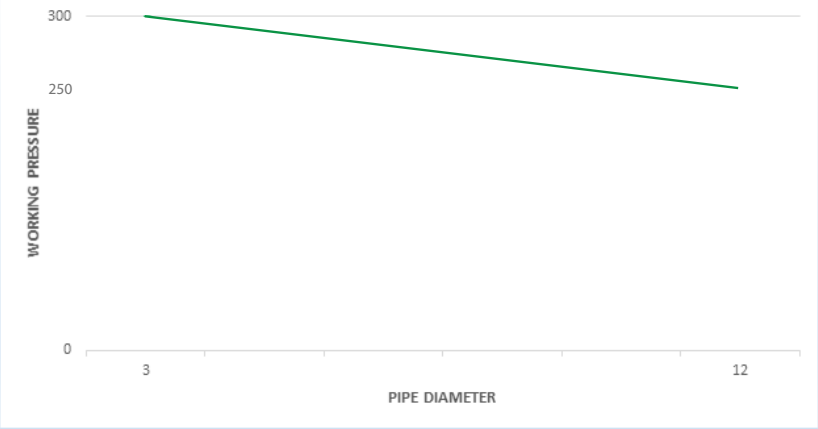
4. Adhesive will be used on adapters to prevent disassembly during installation.

5. There shall be no paper or plastic adhesive labels attached to the saddle, any information appearing on the saddle shall be ink stenciled.

6. SaddleCorp is NSF/ANSI 61 certified where applicable.

7. IPS Pack joint not compatible with SIDR 7 pipe.

8. Up to 300 psi taking into consideration of the installation, age and condition of pipe, backfilling procedures and pipe pressure ratings. See chart below.



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Model 3450AS

Flare

Powerjoint - CTS

Pack joint - IPS/CTS

SIDR 7 - Pack joint

Material Specification

Part Name	Material	Mat. specs
SaddleCorp Body	Stainless Steel 18-8	ASTM A743
Strap	Stainless Steel Type 304	ASTM A240
Nuts & washers	Stainless Steel Type 304	ASTM A193
Corp gaskets	NBR	ASTM D2000
O-ring gasket	NBR	ASTM D2000
Parts (ball, adapter, key)	Stainless Steel 18-8	ASTM A743

Pipe Size		Pipe OD Range			Strap width
in.	mm.	letter code	in.	mm.	in.
3	80	B	3.45 - 4.05	88 - 103	1.5" each strap or 3" single wide strap small outlet 4" single wide strap big outlet
4	100	A	4.00 - 4.50	102 - 114	
		B	4.74 - 5.63	120 - 143	
6	150	A	6.00 - 6.63	152 - 168	
		B	6.84 - 7.64	174 - 194	
		C	6.63 - 6.90	168 - 175	
8	200	A	8.00 - 8.63	203 - 219	
		B	8.54 - 10.10	216 - 257	
		C	8.63 - 9.05	219 - 229	
10	250	A	10.00 - 11.10	254 - 282	
		B	10.64 - 12.12	270 - 308	
12	300	A	12.00 - 13.20	305 - 335	
		B	12.62 - 14.32	321 - 364	
16-18	400-450	A	17.40 - 18.88	442 - 480	

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