

PRESSURE DIFFERENTIAL

High quality components engineered
to deliver consistent performance
and safe, efficient unloading.



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ACF Pressure Differential Car

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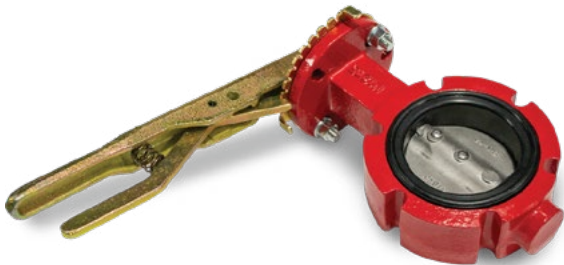
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PARTS IN STOCK READY TO SHIP

Stucki keeps over 90% of its pressure differential car component offering in stock. This is part of our commitment to timely shipments of all stock items. Our inventory contains components for all makes and models of pressure differential rail cars. We pressure test 100% of all components that we weld in-house to ensure you receive leak-free, quality parts.



Contact Stucki’s Customer Support to request our popular fold-out reference charts to help you easily identify the part you need. You can also find parts quickly and easily by viewing our online interactive pressure differential car charts at www.stucki.com.



ACF Pressure Differential Car

The ARI Pressureaide® covered hopper design is engineered to handle a wide variety of dry bulk fluidizable products safely and efficiently. The Pressureaide® car allows for faster unloading by operating with internal pressures up to 14.5 psig.



Car Roof



ACF PRESSURE DIFFERENTIAL CAR



Number	Description	Part Number
49	17 psi Pressure Relief Valve	PDPRV2
50	Plastic Safety Vent Housing (Female)	PDSVF550FA
50A	Plastic Safety Vent Housing (Male)	PDSVF550MA
51	Blind Flange Assembly	PD3SPBF02A
52	3" Air Inlet Cap	PD3AIC
53	20" Stainless Ring	PD20HCRS
54	Nozzle Gasket	PD20NG2
55	20" Aluminum Cover Assembly	PD20HC1008A
56	Cam Lever Assembly	CLCZKA
57	14.7 psi Pressure Relief Valve	PDPRV1
58	17.5 - 22 psi Rupture Disk	RD22PDST
59	1.5" Vacuum Relief Valve	VVP15S4102A
71	20" Aluminum Cover Gasket	PD20HCG08

Parts not shown in drawing

Cam Lever Assembly Components (Plated)

Number	Description	Part Number
60	Latch Pin	CLLPCZK
61	1/2" x 2-1/4" Clevis Pin	CLP12225CZ
62	Clamp Stud	CLCSCZK
63	1/2" Pal Nut	RFPN
64	1/2" x 2-3/4" Clevis Pin	CLP12275CZ
65	1/8" x 3/4" Cotter Pin	RF16271
66	Cam Lever Latch	CLCZ
67	1/2" Jam Nut	JN12
68	Flat Washer 1/2"	A20W



Photo courtesy of The Andersons®- Maumee, OH
www.andersonsinc.com

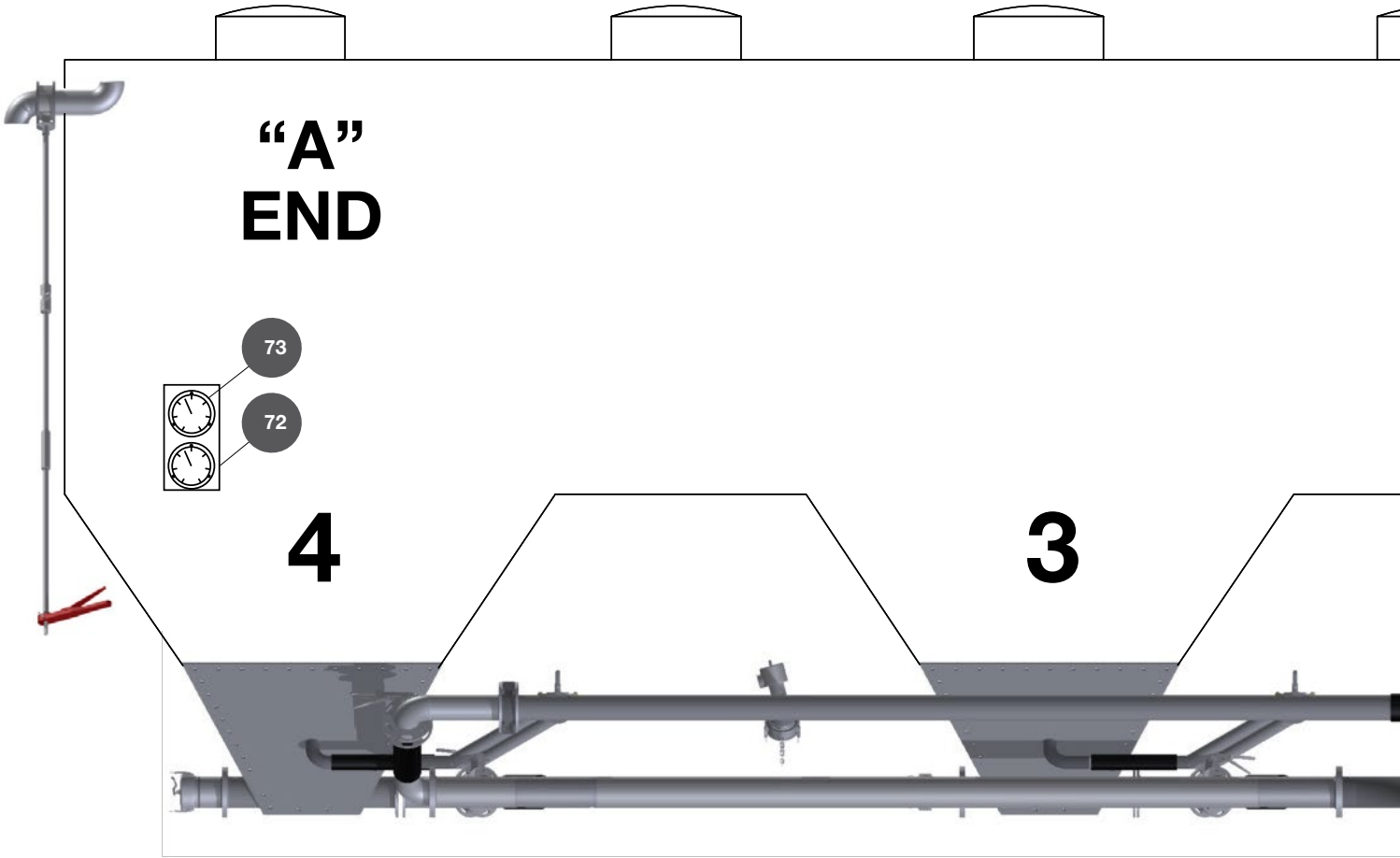
Typical ACF PD Car Arrangement



ACF PRESSURE DIFFERENTIAL CAR

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ACF Pressure Differential Car



Typical 4 Hopper ACF PD Car Arrangement:

Some cars will vary in arrangement, therefore some parts may not be listed or needed. Piping is aluminum. Different material by request. Gaskets listed are FDA. Different gasket materials are available by request.

Number	Description	Part Number
69	4" Pipe (In Feet)	P3A40
70	5" Pipe (In Feet)	P5A40
72	Gauge Box Assembly	PDGB2A
*	1/2" - 13" x 4" U Bolt	UB42054
*	1/2" - 13" x 5" U Bolt w/Nuts	SP8466

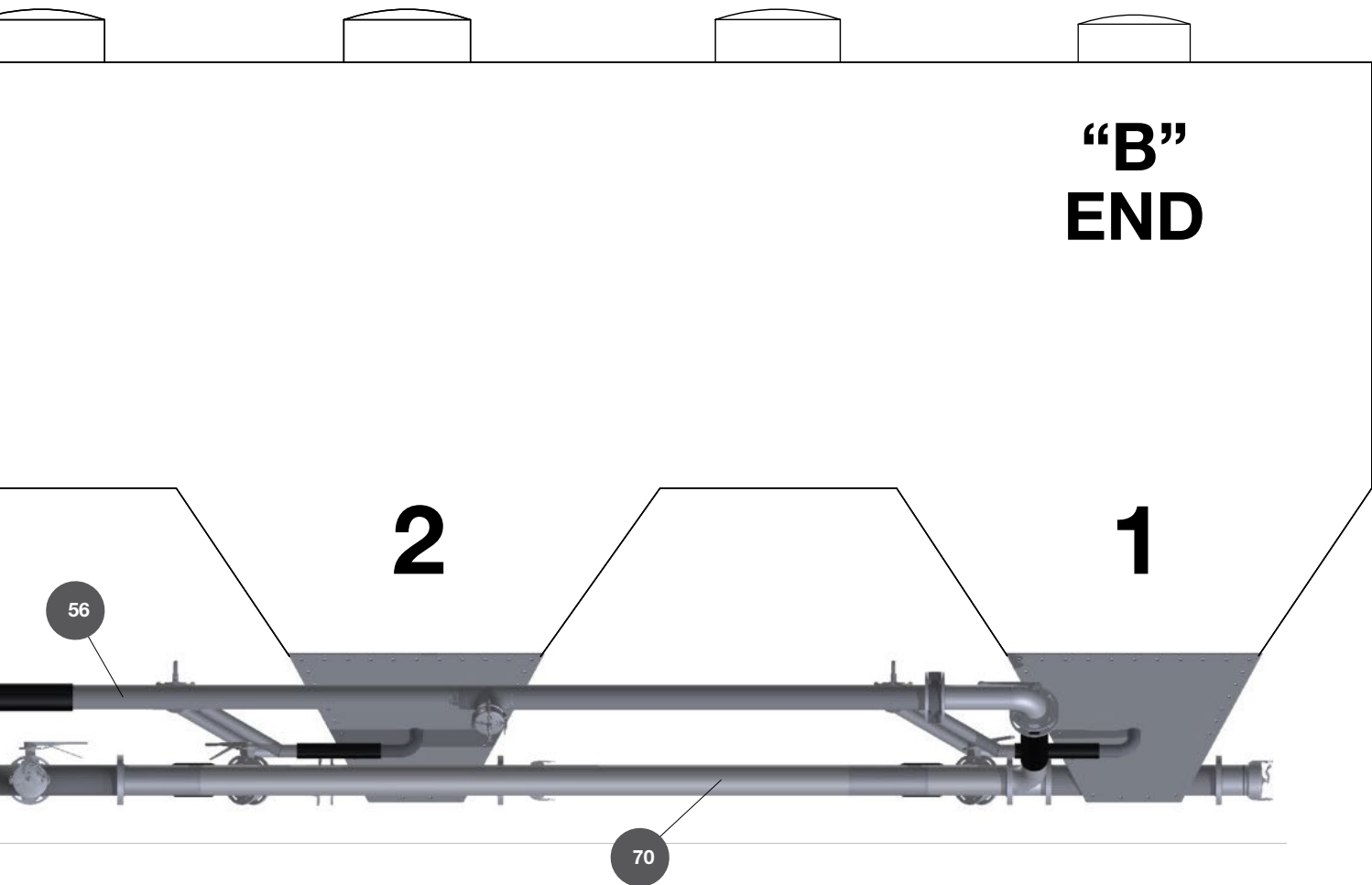
* Parts not shown in drawing

Number	Description	Part Number
73	0-30 psi Liquid Filled, Back Connection w/Flange	PD4LFGB
*	0-30 psi Dry, Back Connection	PD1010GB
*	0-30 psi Dry, Lower Connection	PD1010GL
*	0-30 psi Silicone Filled, Back Connection w/Flange	PD4LFGFB
*	0-30 psi Silicone Filled, LINE Back Connection	W1212L
*	0-30 psi Silicone Filled, TANK Back Connection	W1212T

* Parts not shown in drawing



ACF PRESSURE DIFFERENTIAL CAR



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ACF Pressure Differential Car



Photos courtesy of Economy Coating Systems, Inc.®- Camanche, IA

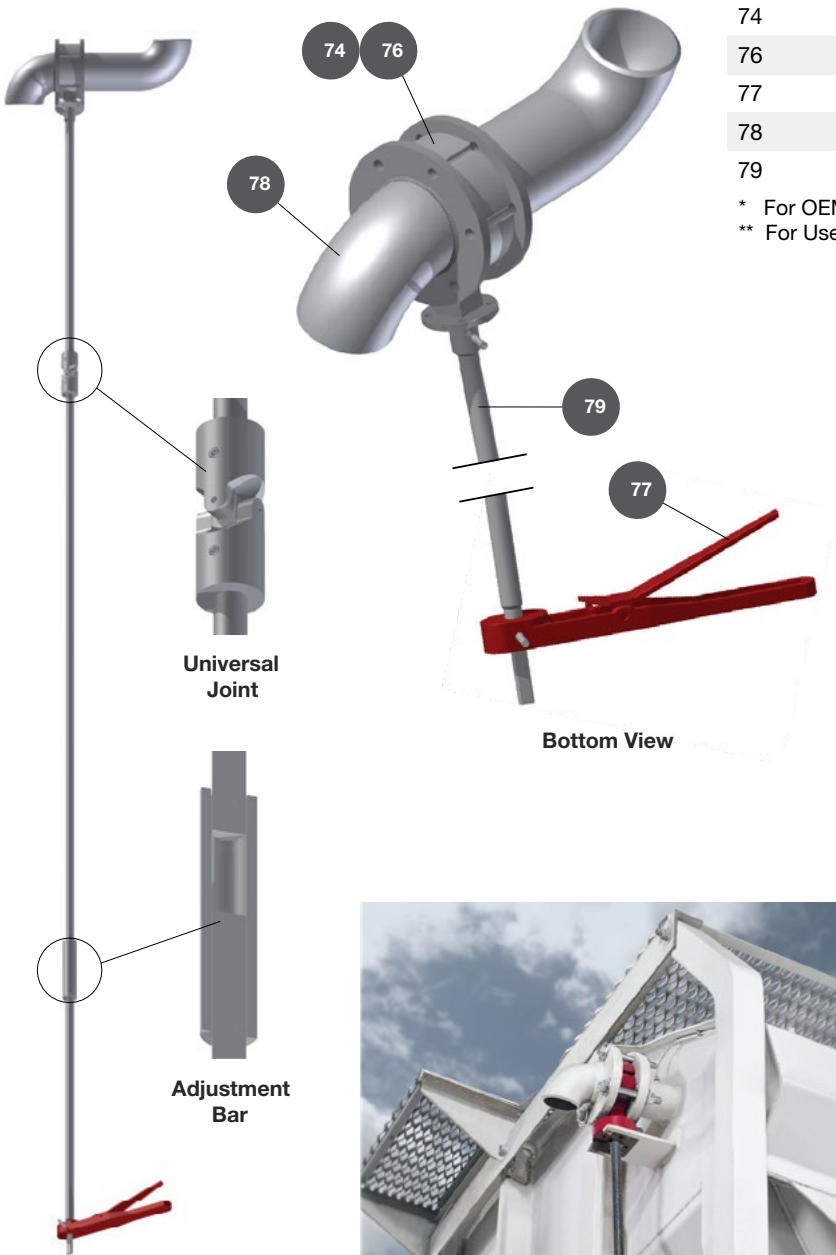
Blowdown



ACF PRESSURE DIFFERENTIAL CAR

Full View

Top View



Number	Description	Part Number
74	3" Butterfly Valve	UBV3CACF*
76	3" Butterfly Valve	WBV3A**
77	3" Butterfly Valve Handle	WBV3CH
78	3" 90° Flange	PD3A90F03
79	Valve Handle Extension Assy	WBV3CSH03A

* For OEM Replacement Valves
** For Use in Salco Valve Handle Extension Assembly



Photos courtesy of Economy Coating Systems, Inc.®- Camanche, IA

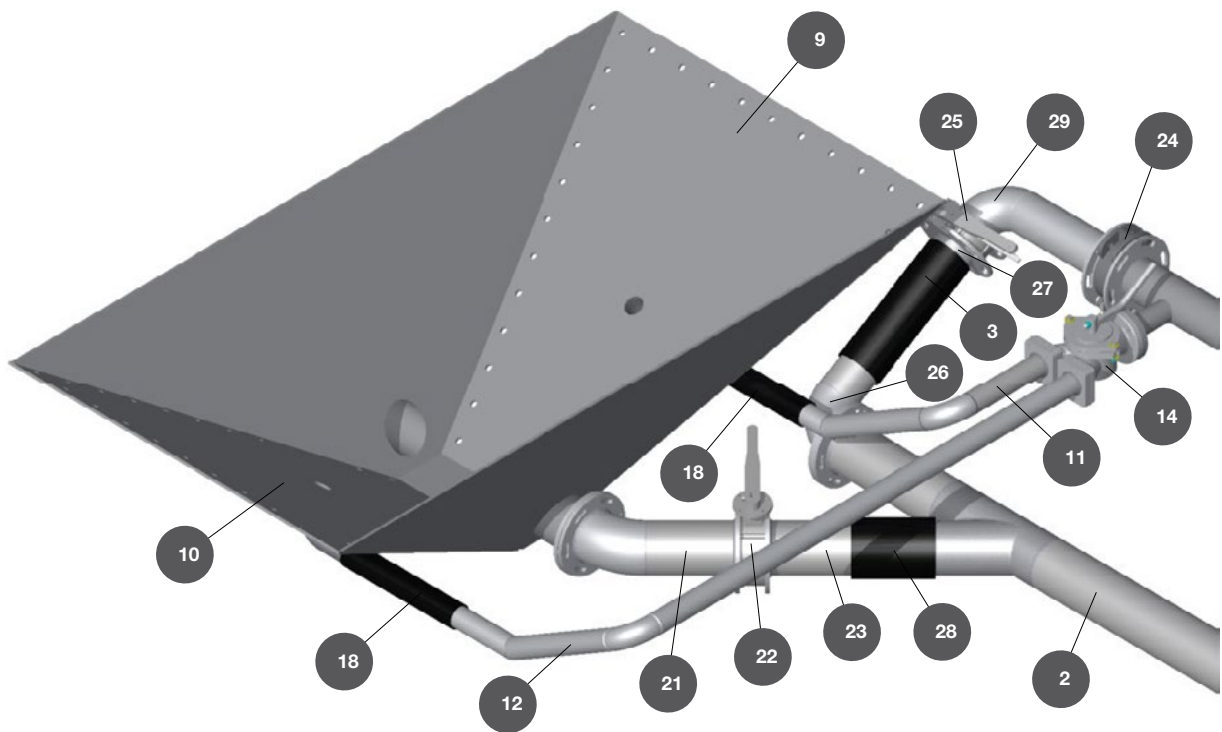
Notice:

This chart is being offered as a guide to identifying common replacement components, and should not be interpreted as a definitive representation of the car design. Some arrangements may vary; dimensions should be verified to ensure proper fit before ordering.

Outlet 1



ACF PRESSURE DIFFERENTIAL CAR



Number	Description	Part Number
2	5" Double Discharge Lateral	PD5ADD03
3	4 1/2" ID x 11 1/2" Long Hose	H45115R2
9	Hopper Plate (Left)	PDHPL01
10	Hopper Plate (Right)	PDHPR01
11	2" Air Line Pipe "B" End	PD2AIB01
12	2" Air Line Pipe "B" End	PD2AIB02
14	Four Way Valve	AR6J599700
18	2 3/8" ID x 15 3/8" Long	H2381538R2
21	5" Discharge Pipe	PD5ADP01
22	5" Wafer Valve	WBV5A
23	5" Unloading Pip Flange	PD5APF01
24	4" Check Valve	CV4103
25	4" Wafer Valve	WBV4A
26	4" Flanged Elbow	PD4AFE02
27	4" Air Pipe Flange	PD4APF01
28	5 9/16" ID x 8" Long Hose	H59168R2
29	4" Flanged Elbow "B" End	PD4AFEB02
*	Aerator Pad	PD3AP3C23
*	Pipe Clamp Hanger	AR2J686000

* Parts not shown in drawing

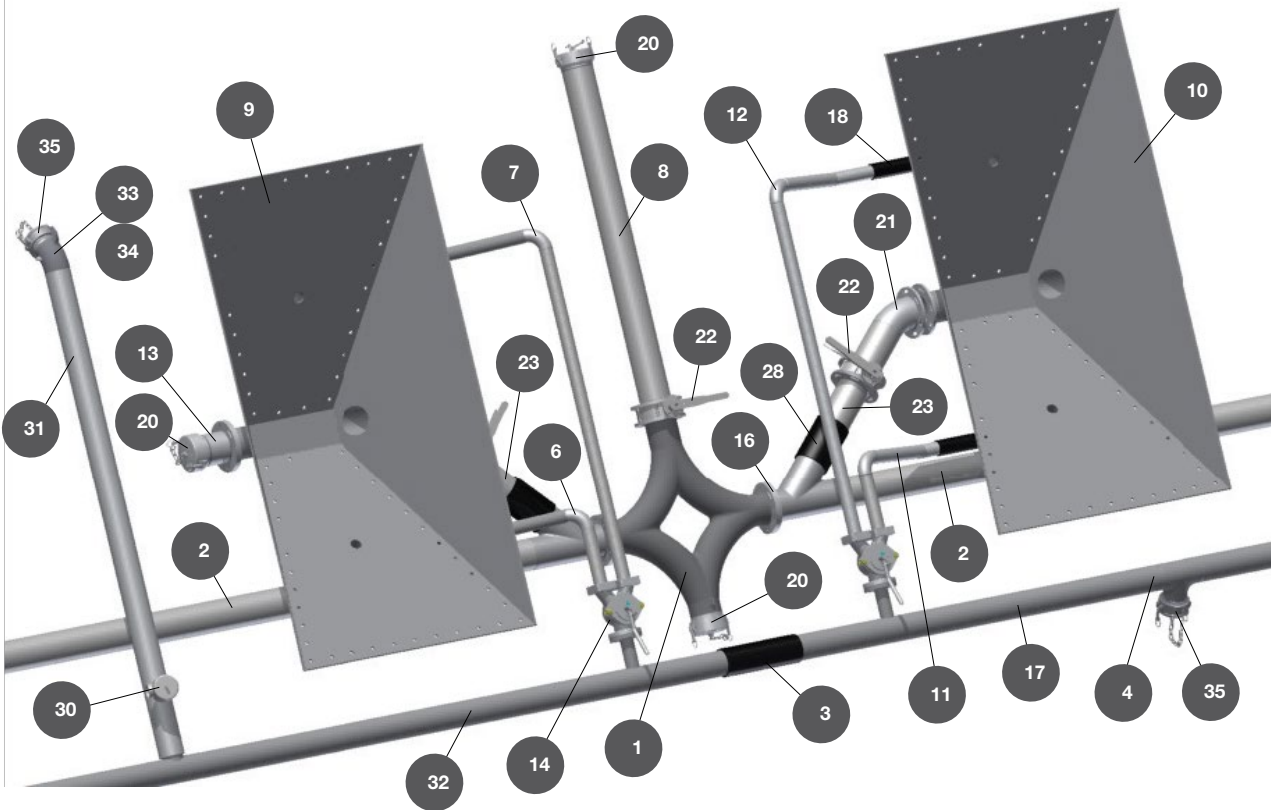


Photo courtesy of Economy Coating Systems, Inc.®- Camanche, IA

Outlet 2 & 3



ACF PRESSURE DIFFERENTIAL CAR



Number	Description	Part Number
1	5" Unloading Cross	PD5ACR01
2	5" Double Discharge	PD5ADD03
3	4 1/2" ID x 11 1/2" Long	H45115R2
4	4" Air Inlet Tee	PD4ABT01
6	2" Air Line Pipe "A" End	PD2AIA01
7	2" Air Line Pipe "A" End	PD2AIA02
8	5" Kammed Flange	PD5AKF01
9	Hopper Plate (Left)	PDHPL01
10	Hopper Plate (Right)	PDHPR01
11	2" Air Line Pipe "B" End	PD2AIB01
12	2" Air Line Pipe "B" End	PD2AIB02
13	5" Kammed Flange	PD5AKF02
14	Four Way Valve	AR6J599700
16	Gasket	PD5FG02
17	4" Air Manifold	PD4AIM03
18	2 3/8" ID x 15 3/8" Long	H2381538R2
20	5" Dust Cap Assembly	PD5ADCA
21	5" Discharge Pipe	PD5ADP01

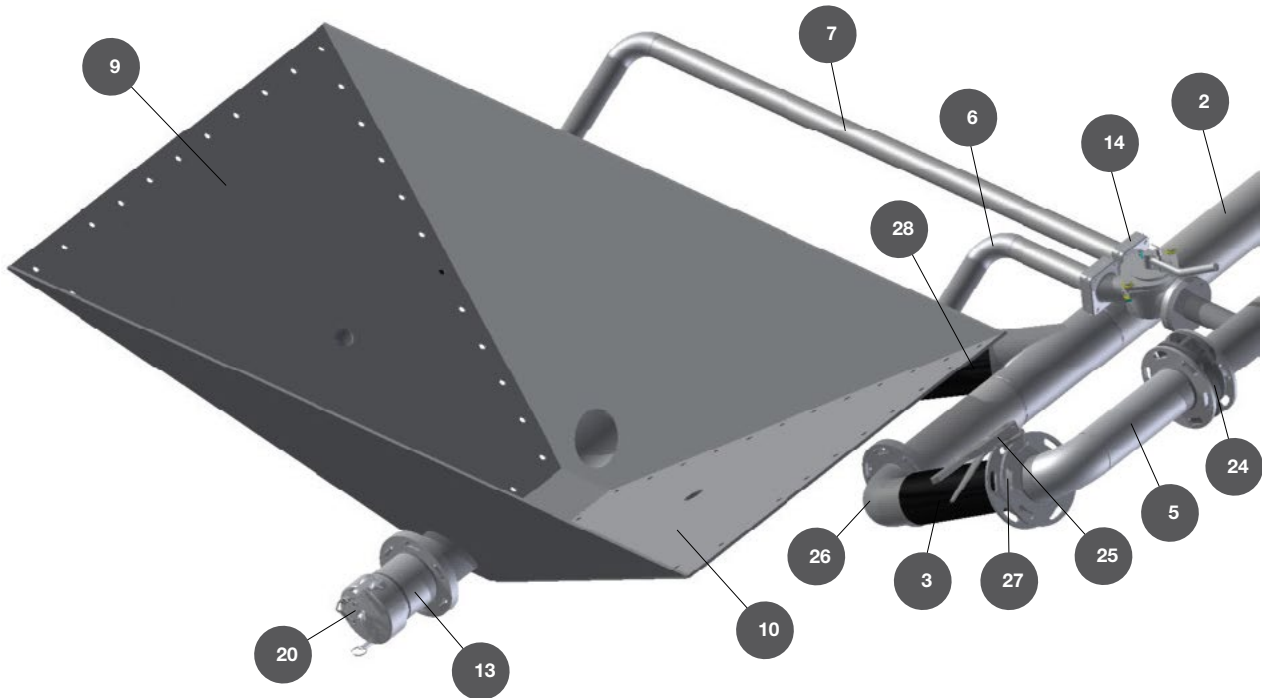
Number	Description	Part Number
22	5" Wafer Valve	WBV5A
23	5" Unloading Pipe Flange	PD5APF01
28	5 9/16" ID x 8" Long Hose	H59168R2
30	14.7 psi Safety Relief	PDPRV1
31	Air Manifold	PD4AIM02
32	4" Air Manifold	PD4AIM01
33	4" 45° Elbow	4A45SCH40ELB
34	4" Kammed Adapter	PDK4AWA
35	4" Aluminum Dust Cap Assembly	PD4ADC2A



Outlet 4



ACF PRESSURE DIFFERENTIAL CAR



Number	Description	Part Number
2	5" Double Discharge	PD5ADD03
3	4 1/2" ID x 11 1/2" Long	H45115R2
5	4" Flanged Elbow "A" End	PD4AFE02
6	2" Air Line Pipe "A" End	PD2AIA01
7	2" Air Line Pipe "A" End	PD2AIA02
9	Hopper Plate (Left)	PDHPL01
10	Hopper Plate (Right)	PDHPR01
13	5" Kammed Flange	PD5AKF02
14	Four Way Valve	AR6J599700
20	5" Dust Cap Assembly	PD5ADCA
24	4" Check Valve	CV4103
25	4" Wafer Valve	WBV4A
26	4" Flanged Elbow	PD4AFE02
27	4" Air Pipe Flange	PD4APF01
28	5 9/16" ID x 8" Long Hose	H59168R2
*	5" Hose Clamp	HCP0427698
*	4" Hose Clamp	HCP0427696
*	2" Hose Clamp	HCP0427692

* Parts not shown in drawing



Photo courtesy of Economy Coating Systems, Inc.® - Camanche, IA



National Steel Pressure Differential Car

The three compartment National Steel Car pressure differential hopper car has three 30-inch round outlet gates, and three 20-inch round manway covers. This design can be unloaded from either side of the car and operates at a maximum pressure of 14.7 psi.



Car Roof



NATIONAL STEEL CAR

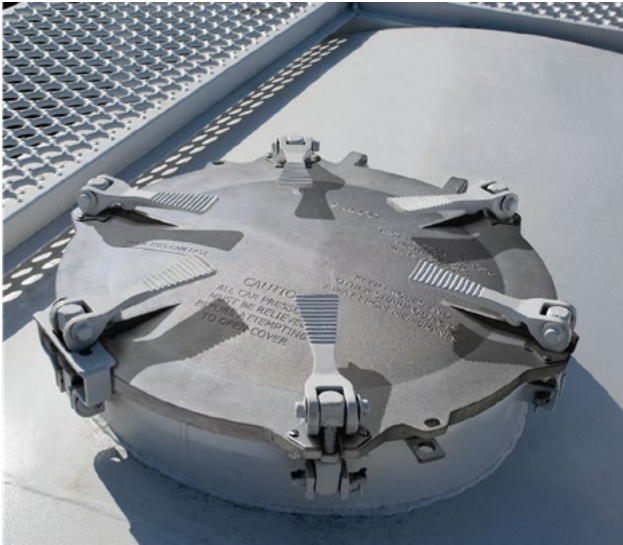


Number	Description	Part Number
39	20" PD Nozzle	PD20HCRS
40	CAM Lever	CLCZKA
41	Hinge Pin	CLP127CA
42	20" Hatch Cover	PD20HC1002A
43	Safety Catch	CLSFCZK
44	Nozzle Gasket	PD20NG2
45	Plastic Safety Vent Housing	QI261DGA
46	17 psi Pressure Relief Valve	PDPRV2
49	Rupture Disc 22 psi	RD22PDST
50	14.7 psi Pressure Relief Valve	PDPRV1

Cam Lever Sub-Assembly

Number	Description	Part Number
*	Cam Lever	CLCZ
*	½" Clevis Pin	CLP12275CZ
*	½" Clevis Pin	CLP12225CZ
*	½"-20 Clamp Stud	CLCSCZK
*	½" Pal Nut	RFPN
*	Latch Pin	CLLPCZK
*	½" Flat Washer SAE	A20W
*	½"-13 Jam Nut	JN12
*	1/8" Cotter Pin	RF16271

* Parts not shown



All photos are courtesy of National Steel Car - Hamilton, Ontario

www.steelcar.com

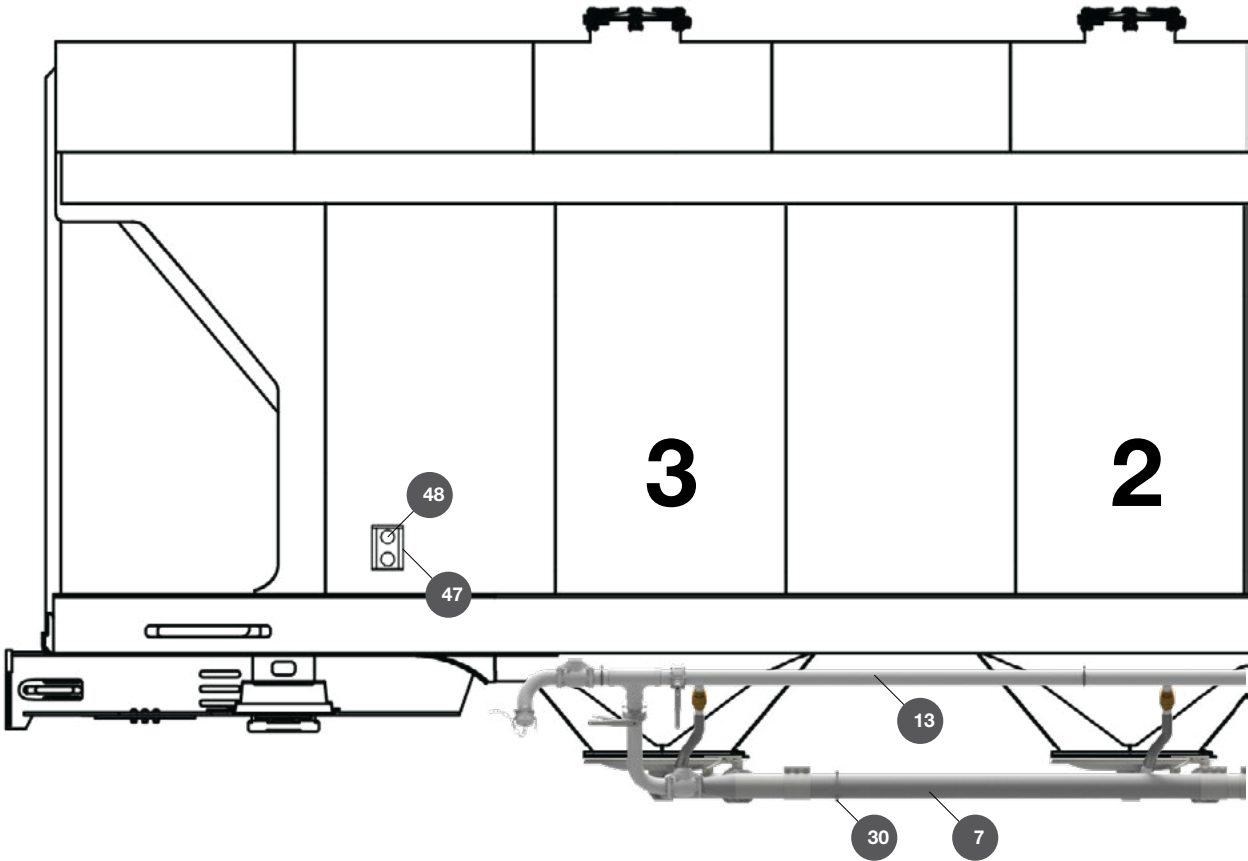
Typical NSC PD Car Arrangement



NATIONAL STEEL CAR

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National Steel Car



Miscellaneous Replacements

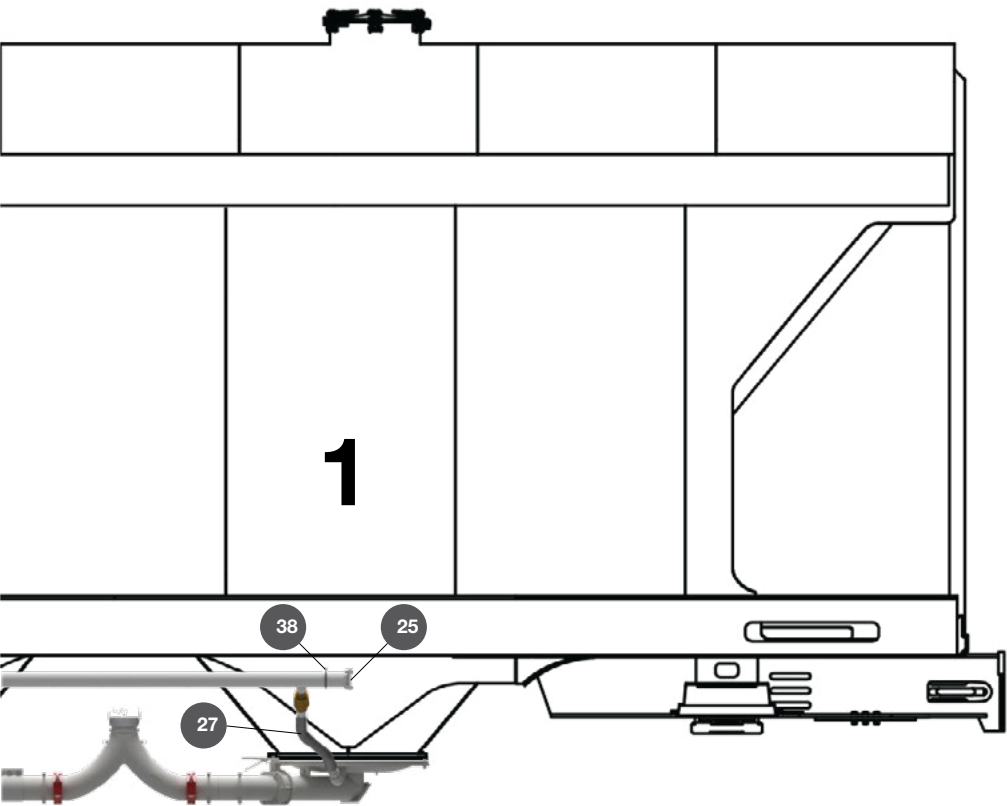
Number	Description	Part Number
7	5" Pipe	P5C40-91-00
13	3" Air Manifold	PD3AAM17
25	3" Square Blind Flange Assembly	PD3BF02A
27	2" Hose	H2215R
30	5" U-Bolt	PD8466
38	3" U-Bolt	PD3UBCZR
47	Gauge Box	PDGB2A
48	Pressure Guage	PD1010GB

available by request.

Gaskets listed are White FDA. Different gasket materials are available if requested.



NATIONAL STEEL CAR



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National Steel Car



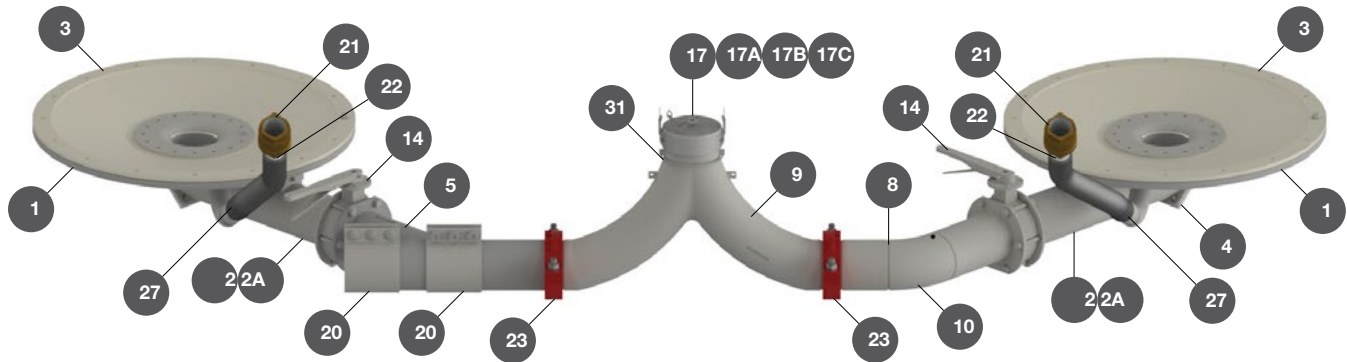
All photos are courtesy of National Steel Car - Hamilton, Ontario
www.steelcar.com

Outlet 1 & 2



NATIONAL STEEL CAR

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National Steel Car



Number	Description	Part Number
1	Aerator Hopper	PD1AHNP
2	5" Discharge Pipe	PD5CDT04
2A	5" Discharge Pipe	PD5CDT02
3	Aerator Pad	PD1AP3C23
4	4½" Blind Flange Assembly	PD545CCPA
5	5" Discharge Lateral	PD5DDL01
8	5" Nipple Grooved	N58CVG
9	5" Y-Pipe	PDD5Y
10	5" Pipe Bend	PD5CPB04
14	5" Butterfly Valve	UBV5APCA
17	5" Aluminum Dust Cap w/Regular Arms	PD5ADC2A
17A	5" Plastic Dust Cap w/Regular Arms	PD5PDC2A
17B	5" Aluminum Dust Cap w/Crossover Arms	PD5ALC2A
17C	5" Plastic Dust Cap w/Crossover Arms	PD5PLC2A
*	5" Dust Cap Gasket	PD5DCGW
20	Compression Coupling 5"	PD556CC8
21	2" Ball Valve	SSVMH2.A9-2
22	2" Hose Barb	HB2A
23	5" Pipe Clamp	PD577C
27	2" Hose	H2215R
*	Discharge Pipe Clip	PD5CDTCL
*	5" U-Bolt	SP8466
*	Shackle And Chain	PD5YCSA
*	Aerator Hopper Bolt Kit	PDPADKIT2

* Parts not shown

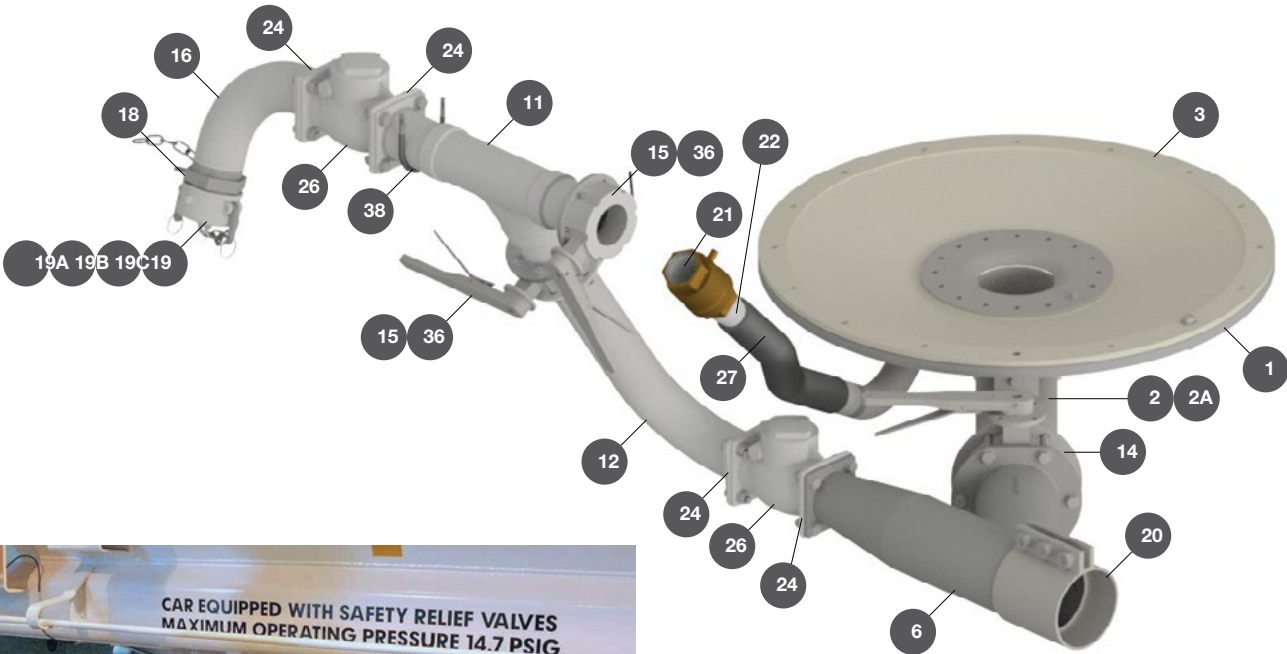


All photos are courtesy of National Steel Car - Hamilton, Ontario www.steelcar.com

Outlet 3



NATIONAL STEEL CAR



All photos are courtesy of National Steel Car - Hamilton, Ontario
www.steelcar.com

Number	Description	Part Number
1	Aerator Hopper	PD1AHNP
2	5" Discharge Pipe	PD5CDT04
2A	5" Discharge Pipe	PD5CDT02
3	Aerator Pad	PD1AP3C23
6	5" Discharge Lateral	PD5DDL01F
11	3" Flanged Tee	PD3ABT08
12	3" Flanged Elbow	PD3A90F14
14	5" Butterfly Valve	UBV5APCA
15	3" Butterfly Valve	WBV3A
16	3" Air Inlet Assembly	PD3A90F16
18	3" Adapter	K3AFTMA
*	3" Dust Cap Gasket	PD3DCGW
*	4½" Blind Flange Assembly	PD545CCPA
* Parts not shown		

Number	Description	Part Number
19	3" Aluminum Dust Cap w/Regular Arms	PD3ADC2A
19A	3" Plastic Dust Cap w/Regular Arms	PD3PDC2A
19B	3" Aluminum Dust Cap w/Crossover Arms	PD3ALC2A
19C	3" Plastic Dust Cap w/Crossover Arms	PD3PLC2A
20	5" Compression Coupling	PD556CC8
21	2" Ball Valve	SSVMH2.A9-2
22	2" Hose Barb	HB2A
24	3" Flange Gasket	PD3SG02
26	3" Check Valve	KSVA1011FG
27	2" Hose	H2215R
36	3" Butterfly Valve	UBV3APCA
38	3" U-Bolt	PD3UBCZR
*	Discharge Pipe Clip	PD5CDTCL
*	Aerator Hopper Bolt Kit	PDPADKIT2
* Parts not shown		

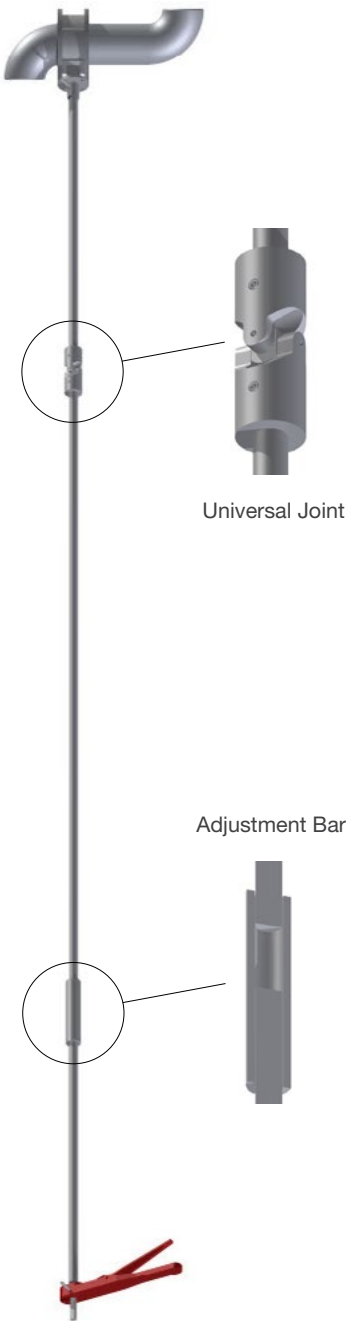
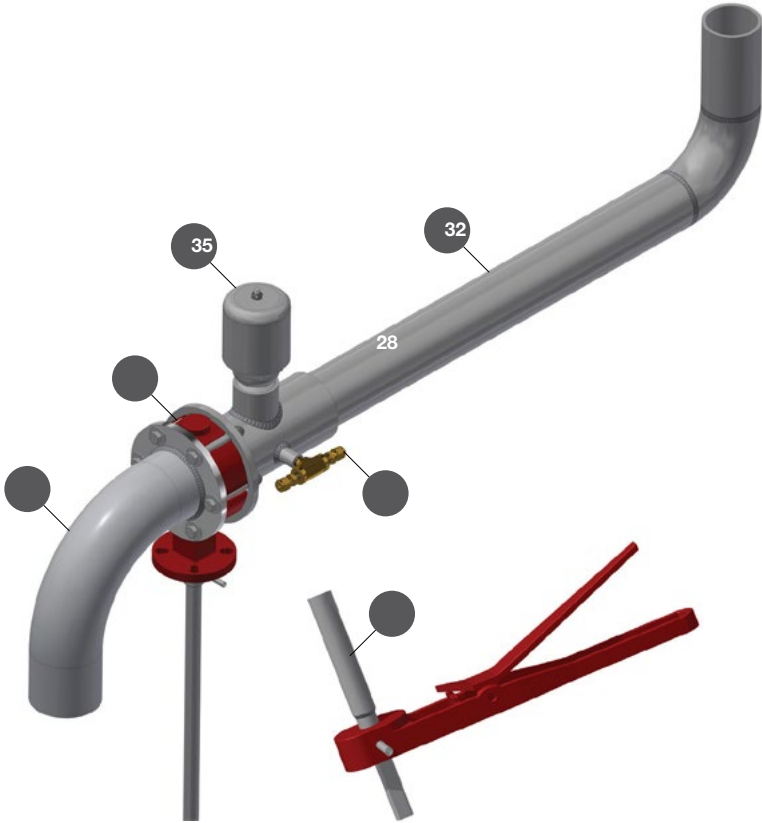
Blowdown



NATIONAL STEEL CAR

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National Steel Car



Number	Description	Part Number
28	1/4" Hose	H14LD
32	Vent Assembly	PD3SVA02
33	Valve Handle Extension Assembly	WBV3CSH03A
34	3" Pipe Elbow	PD3A90F15
35	1 1/2" Vacuum Relief Valve	VVP15S4102A
51	3" Butterfly Valve	WBV3ACB

Notice:

This chart is being offered as a guide to identifying common replacement components, and should not be interpreted as a definitive representation of the car design. Some arrangements may vary; dimensions should be verified to ensure proper fit before ordering.



Trinity Powerflo II Pressure Differential Car

The POWERFLO II 5650 Cubic Foot Covered Hopper Car & Pneumatic Pressure Unloading System is optimized for transporting free-flowing bulk commodities. This design has four trapezoidal outlet gates, and six 20-inch round manway covers with a closed-loop unloading system to maintain product purity.



Car Roof



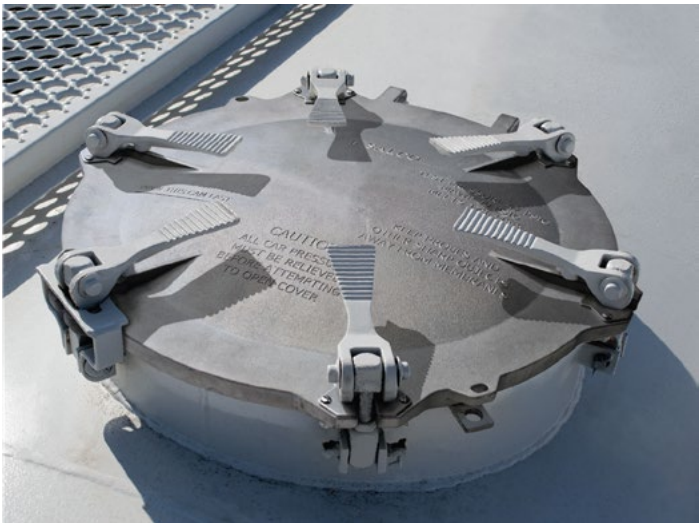
TRINITY POWERFLO II CAR



Number	Description	Part Number
49	17 psi Pressure Relief Valve	PDPRV2
50	Plastic Safety Vent Housing (Female)	PDSVF550FA
50A	Plastic Safety Vent Housing (Male)	PDSVF550MA
51	Blind Flange Assembly	PD3SPBF02A
52	3" Air Inlet Cap	PD3AIC
53	20" Stainless Ring	PD20HCRS
54	Nozzle Gasket	PD20NG2
55	20" Aluminum Cover Assembly	PD20HC1008A
56	Cam Lever Assembly	CLCZKA
57	14.7 psi Pressure Relief Valve	PDPRV1
58	17.5 - 22 psi Rupture Disk	RD22PDST
59	1.5" Vacuum Relief Valve	

Cam Lever Assembly Components (Plated)

Number	Description	Part Number
60	Latch Pin	CLLPCZK
61	1/2" x 2-1/4" Clevis Pin	CLP12225CZ
62	Clamp Stud	CLCSCZK
63	1/2" Pal Nut	RFPN
64	1/2" x 2-3/4" Clevis Pin	CLP12275CZ
65	1/8" x 3/4" Cotter Pin	RF16271
66	Cam Lever Latch	CLCZ
67	1/2" Jam Nut	JN12

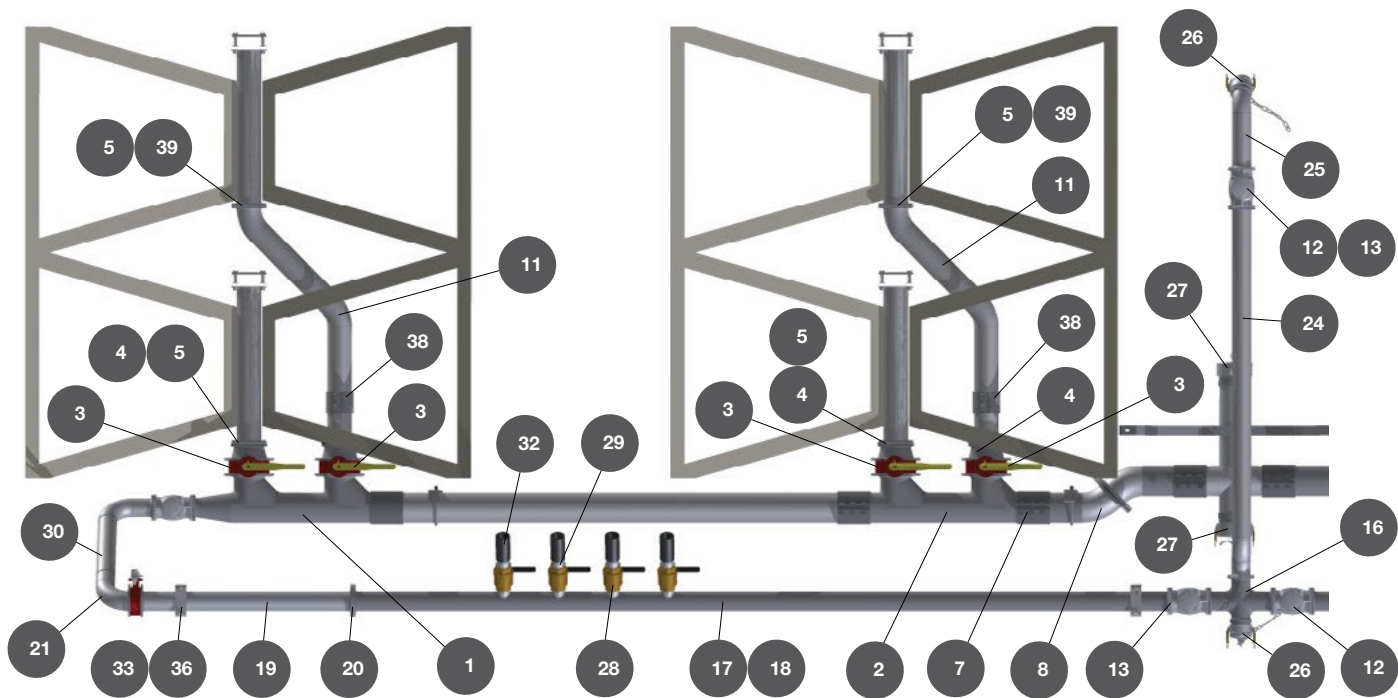


All photos are courtesy of The Andersons®- Maumee, OH
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New Arrangement - “A” End



TRINITY POWERFLO II CAR



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Trinity Powerflo II Car

Number	Description	Part Number
1	Double Lateral 5" w/Reducer	PD5ADD01
2	Double Lateral 5" Butterfly	PD5ADD02
3	Valve 5" Transition Flange	WBV5A
4	Square Gasket 5" Pipe 5"	PD45TF
5	SCH 40 (In Feet)	PD5CPG2
6		P5A40
7	Compression Coupling 5" x 6"	PD556CC8
8	Flanged Elbow 5" 45° Round	PD5A45F1
9	Gasket 5" Discharge Cross 5"	PD5FG77802
10	Discharge Pipe 4" Check Valve	PD5ACR03
11		PD4ADTI
12		DV3030SQ-IMP

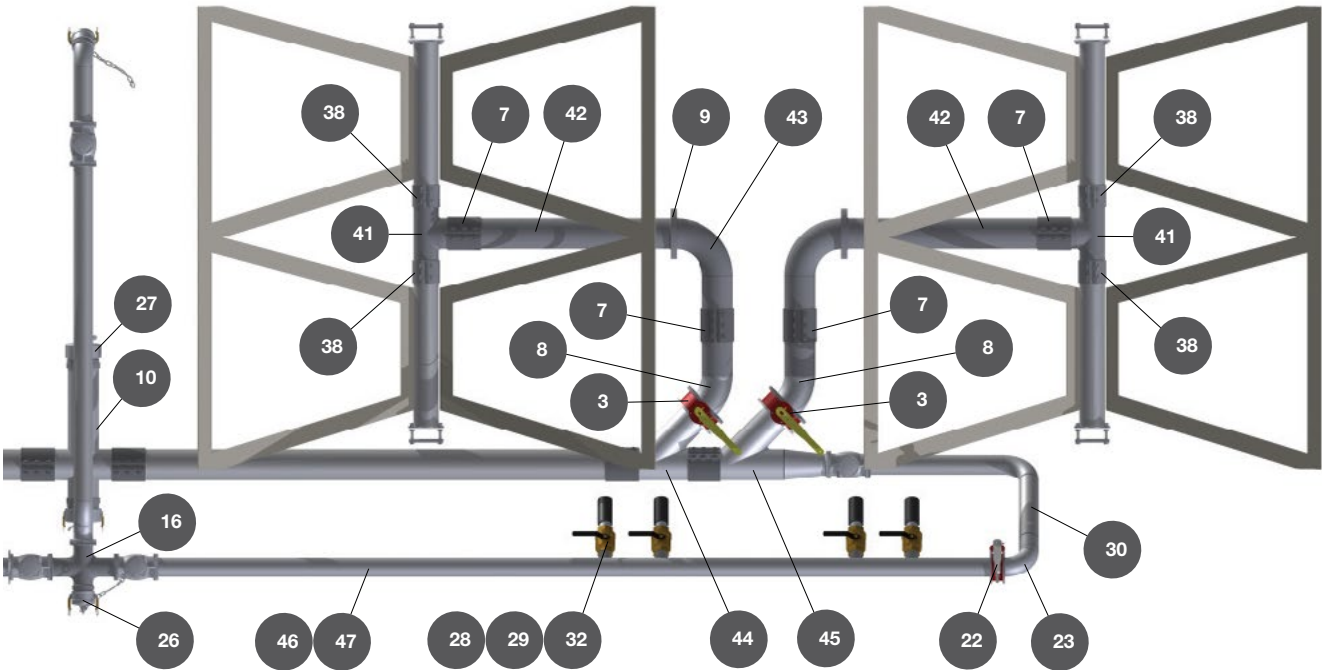
Number	Description	Part Number
13	Flange Gasket 3"	PD3SG02
14	Lower 90° Elbow - "A" End	PD3A90FHB1
15	Lower 90° Elbow - "B"	PD3A90FHB2
16	End Air Inlet Cross 3" Air	PD3ACR02
17	Manifold 3" - "A" End Air	PD3AMGVA
18	Manifold 3" - "B" End Air	PD3AMGVB
19	Manifold Extension 3"	P D 3 A M E 1
20	Round Gasket 3"	F G 4 7 8 6 0 2
21	Upper 90° Elbow - "A" End	PD3A90FHB3
22	Butterfly Valve 3"	WBV3A
23	Upper 90° Elbow - "B" End	PD3A90FHB4
24	Air Manifold 3"	PD3AMCVR



Old Arrangement - “B” End



TRINITY POWERFLO II CAR



Number	Description	Part Number
25	Air Inlet 3"	PD3A45F02
26	Dust Cap Assy 3"	PD3ADCA
27	Dust Cap Assy 5"	PD5ADCA
28	Ball Valve 2"	VBLF20B
29	Hose Nipple 2"	HB2A
30	Hose 3" (In Feet)	H3-N6236
32	Hose 2" (In Feet)	H2R
33	Air Manifold Bracket 3"	
34	Discharge Pipe Bracket 5"	PD5PHB1
35	Discharge Cross Bracket 5"	PD5PHB2
36	1/2" - 13" x 3" U Bolt w/Nuts	UB42044
37	1/2" - 13" x 5" U Bolt w/Nuts	SP8466

Number	Description	Part Number
38	Compression Coupling 4"	PD454CC8
39	Discharge Flange 4" SS	PD4SSF
40	Lower 90° Elbow - "B" End	PD3A90FHB6
41	Tee 4" x 5"	PD45AT
42	Flanged Pipe 5"	PD5AF37A
43	Flanged 90° Elbow 5"	PD5A90F01
44	Discharge Lateral 5"	PD5ADL01
45	Discharge Lateral 5" w/Reducer	PD5ADL01F
46	Air Manifold 3" - "B" End	PD3AMSVB
47	Air Manifold 3" - "A" End	PD3AMSVB
48	Lower 90° Elbow - "A" End	PD3A90FHB5
*	0-30 psi Pressure Gauge (Back)	PD1010GB



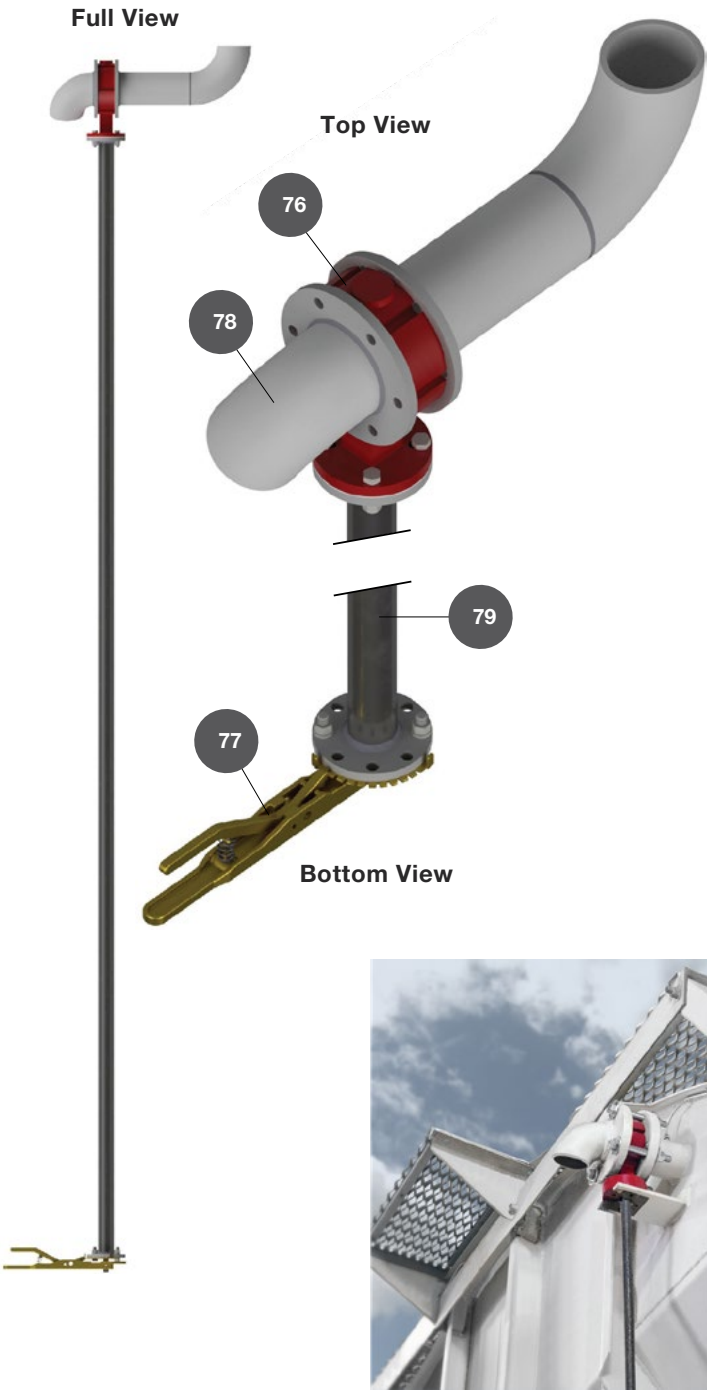
Trinity Powerflo 2 PD Car Arrangements:

Some cars may vary in arrangement, therefore some parts may not be listed or needed. Piping is aluminum and gaskets are white FDA BUNA-N. Different materials available by request. Call Salco for Blowdown Pipe Accessories.

Blowdown



TRINITY POWERFLO II CAR



Number	Description	Part Number
76	3" Butterfly Valve	WBV3A
77	3" Butterfly Valve Handle	WBV3CH
78	3" 90° Flange	PD3A90F03
79*	Valve Handle Extension Assembly	THMP007001

*Includes 16 inch extension assembly



Photos courtesy of Economy Coating Systems, Inc.® - Camanche, IA

Notice:

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Trinity / Thrall Pressure Differential Car

The 5,660 cubic foot Trinity/Thrall POWERFLO pressure differential covered hopper is optimized for transporting free-flowing bulk commodities. This design has five 30-inch round outlet gates, and six 20-inch round manway covers with a closed-loop unloading system to maintain product purity.



Car Roof



TRINITY / THRALL PRESSURE DIFFERENTIAL CAR

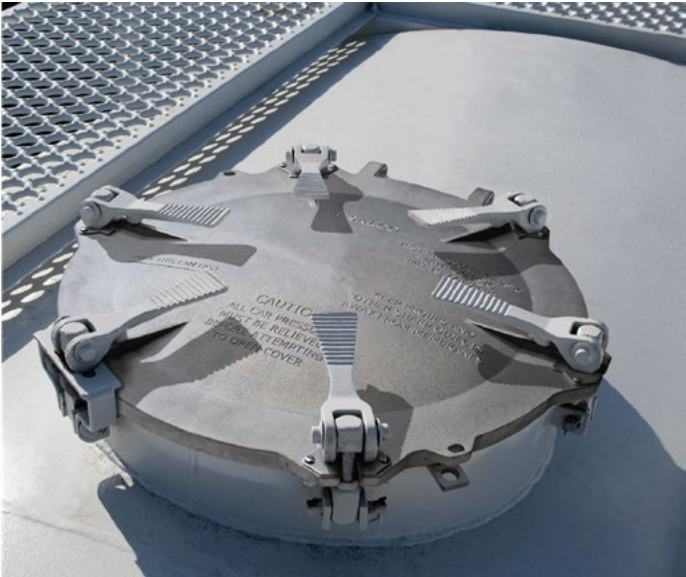


Number	Description	Part Number
22	17 psi Pressure Relief Valve	PDPRV2
23	Plastic Safety Vent Housing (Female)	PDSVF550FA
23A	Plastic Safety Vent Housing (Male)	PDSVF550MA
24	Blind Flange Assembly	PD3SPBF02A
25	3" Air Inlet Cap	PD3AIC
26	20" Stainless Ring	PD20HCRS
27	Nozzle Gasket	PD20NG2
28	20" Aluminum Cover Assembly	PD20HC1008A
29	Cam Lever Assembly	CLCZKA
32	14.7 psi Pressure Relief Valve	PDPRV1
33	20" Aluminum Cover Gasket	PD20HCG08
69	17.5 - 22 psi Rupture Disk	RD22PDST

Number	Description	Part Number
44	Latch Pin	CLLPCZK
45	1/2" x 2-1/4" Clevis Pin	CLP12225CZ
46	Clamp Stud	CLCSCZK
47	1/2" Pal Nut	RFPN
48	1/2" x 2-3/4" Clevis Pin	CLP12275CZ
49	1/8" x 3/4" Cotter Pin	RF16271
50	Cam Lever Latch	CLCZ
51	1/2" Jam Nut	JN12

57 Flat Washer 1/2" A20W
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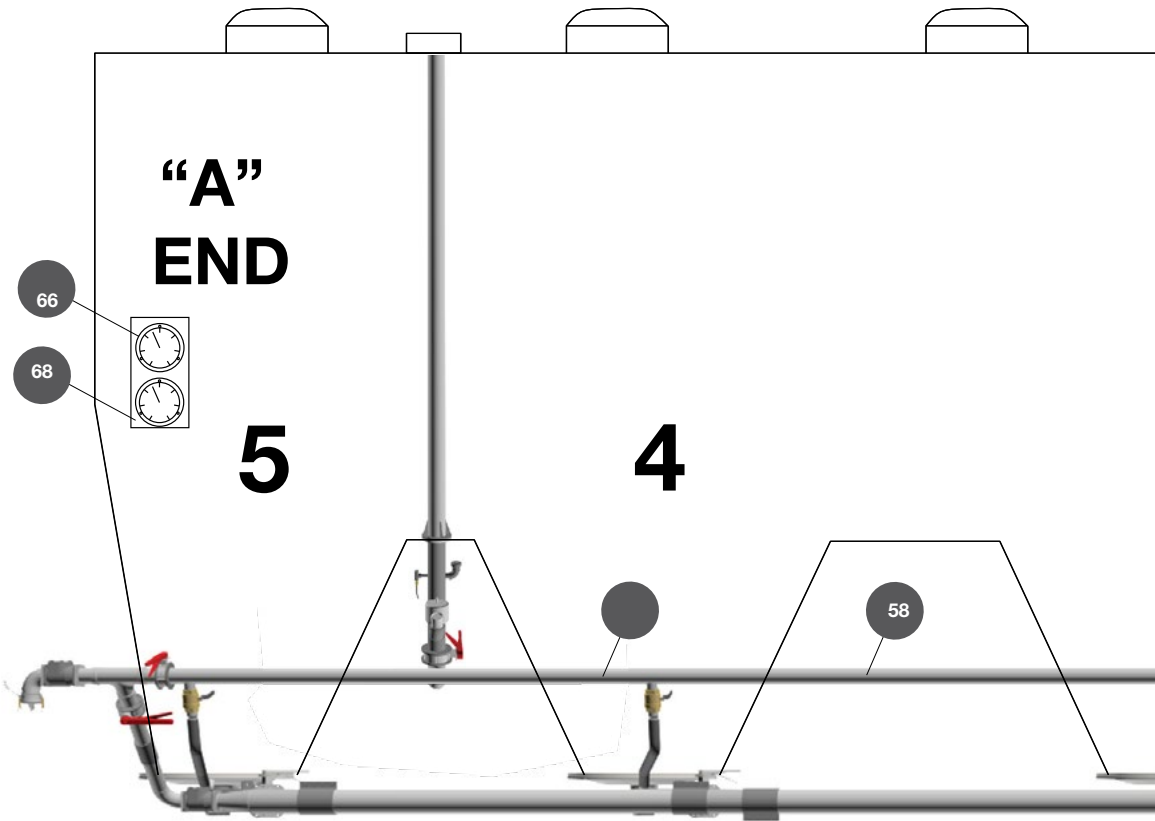
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Typical Trinity/Thrall PD Arrangement



TRINITY / THRALL PRESSURE DIFFERENTIAL CAR



Pressure Gauge Replacements

Number	Description	Part Number
58	3" Pipe (In Feet)	P3A40
59	5" Pipe (In Feet)	P5A40
60	Blind Flange Assembly	PD3BF02A
63	3" x 6" Compression Coupling	PD356CC8
64	Air Manifold Assembly "A" End	PD3AAM01
65	Air Manifold Assembly "B" End	PD3AAM02
68	Gauge Box Assembly	PDGB2A
*	1/2" - 13" x 3" U Bolt W/Nuts	SP8465
*	1/2" - 13" x 5" U Bolt W/Nuts	SP8466

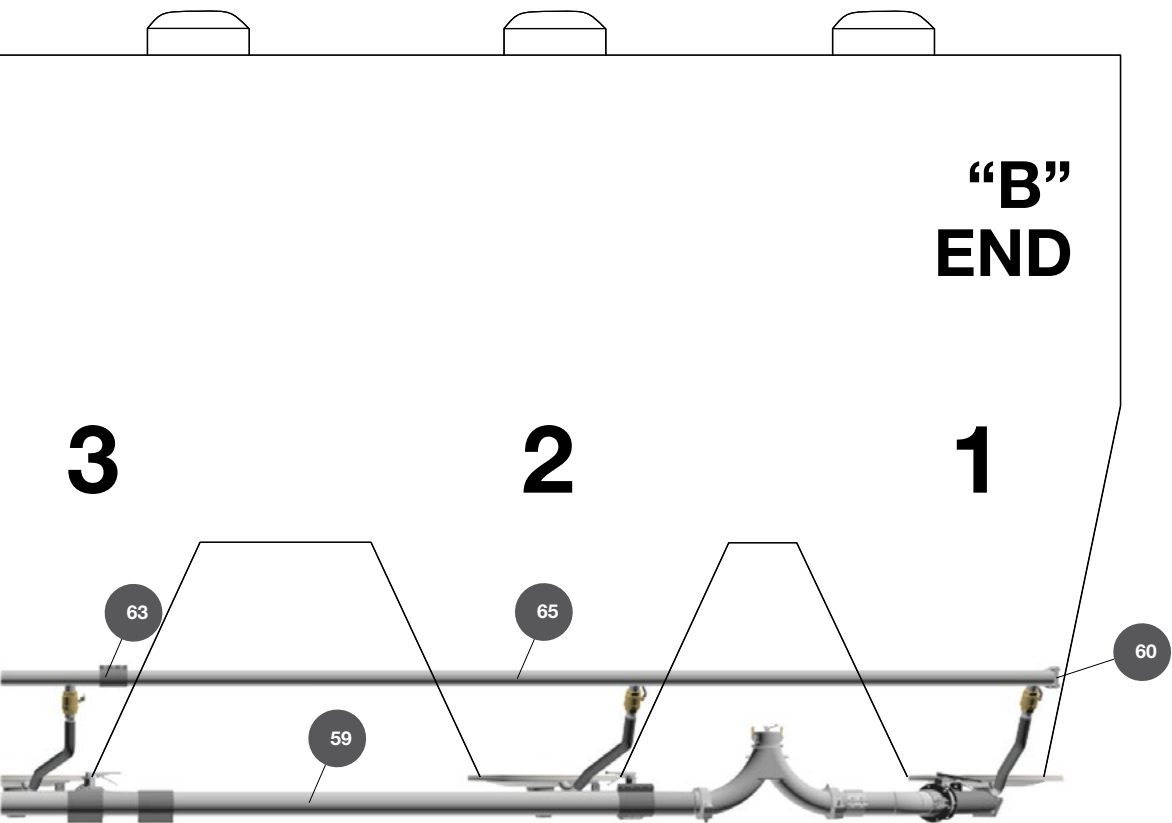
Number	Description	Part Number
66	0-30psi Liquid Filled, Back Connection w/Flange	PD4LFGB
*	0-30psi Dry, Back Connection	PD1010GB
*	0-30psi Dry, Lower Connection	PD1010GL
*	0-30psi Silicone Filled, Back Connection w/Flange	PD4LFGFB
*	0-30psi Silicone Filled, LINE Back Connection	W1212L
*	0-30psi Silicone Filled, TANK Back Connection	W1212T

* Parts not shown in drawing

Piping is aluminum. Different materials available by request.
Gaskets listed are white FDA. Different gasket materials are available if requested.



TRINITY / THRALL PRESSURE DIFFERENTIAL CAR



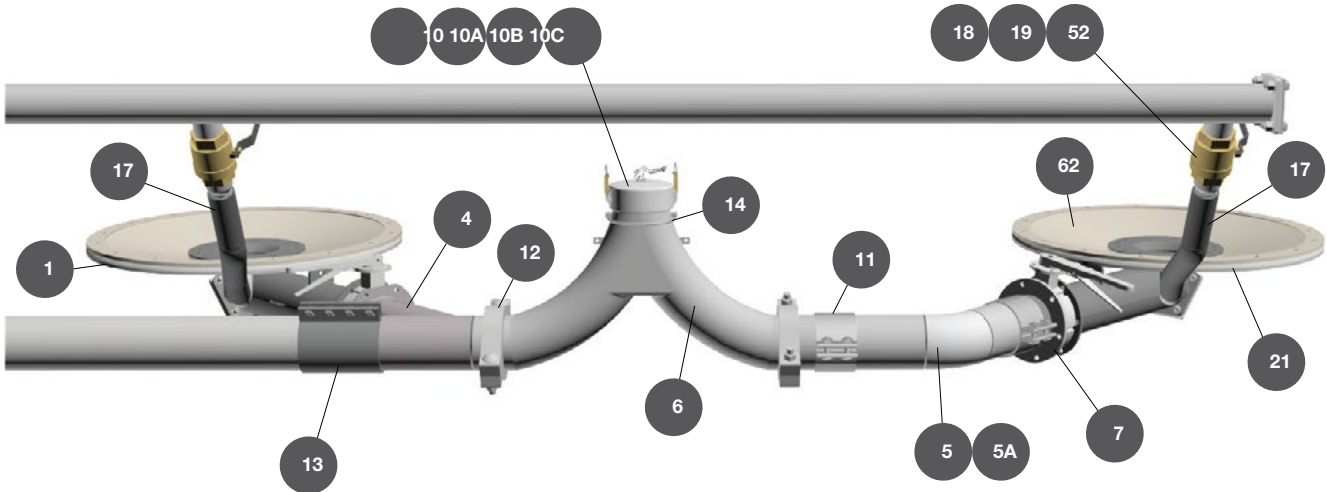
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Outlet 1 & 2



TRINITY / THRALL PRESSURE DIFFERENTIAL CAR



5-5A Note:
PD5APB01 does not require welding, PD5APB02 requires welding.

Number	Description	Part Number
1	Aerator Hopper Assembly (left)	PD1AHLA
4	5" Discharge Lateral W/ Groove	PD5ADL02
5	5" Pipe Bend Assembly	PD5APB01
5A	5" Pipe Bend Assembly	PD5APB02
6	5" Y Pipe	PDA5Y
7	5" Butterfly Valve	WBV5A
12	5" Swivel Pipe Fitting	PD577CA
13	5" x 8" Long Compression Coupling	PD558CC8
14	Shackle And Chain	PD5YCSA
17	2" Air Hose (in feet)	H2R
18	2" Ball Valve	VBLF20B
19	2" Hose Barb	HB2A
21	Aerator Hopper Assembly (right)	PD1AHRA
52	2" Pipe Nipple	N23A
10	5" Aluminum Dust Cap Assembly	PD5ADCA
10A	5" Plastic Dust Cap Assembly	PD5PDCA
10B	5" Aluminum Dust Cap Assembly W/ Crossover Arms	PD5ALCA
10C	5" Plastic Dust Cap Assembly W/ Crossover Arms	PD5PLCA
11	5" x 4" Long Compression Coupling	PD554CC8
* 2" Hose Clamps		HCP0427692
* Parts not shown in drawing		

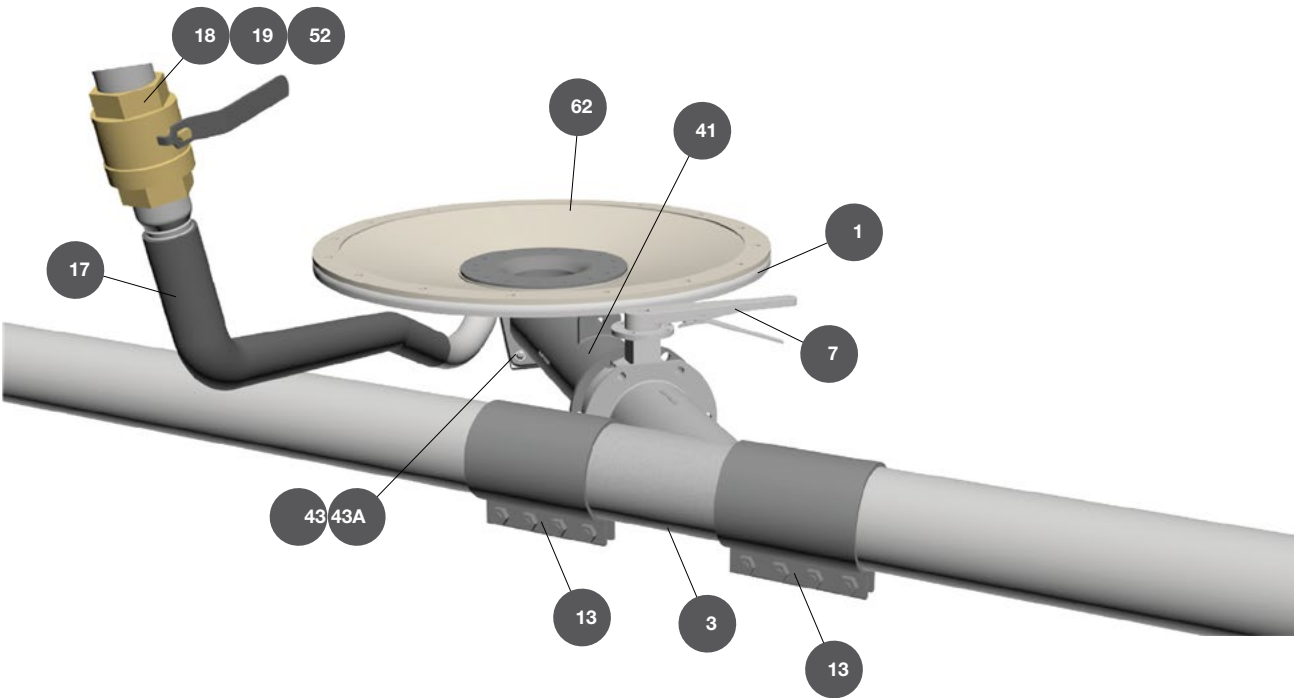


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Outlet 3 & 4



TRINITY / THRALL PRESSURE DIFFERENTIAL CAR



Number	Description	Part Number
1	Aerator Hopper Assembly (left)	PD1AHLA
3	5" Discharge Lateral	PD5ADL01
7	5" Butterfly Valve	WBV5A
13	5" x 8" Long Pipe Coupling	PD558CC8
17	2" Air Hose (in feet)	H2R
18	2" Ball Valve	VBLF20B
19	2" Hose Barb	HB2A
52	2" Pipe Nipple	N23A
41	5" Discharge Tube	PD5ADT01
43	6 1/2" Cover Plate Assembly	PD5ACPA
43A	6" Cover Plate Assembly	PD545ACPA
62	Aerator Pad	PD1AP3C23
*	2" Pipe Plug	TC2P
*	Aerator Hopper Bolt Kit	PD1PADKIT1
*	2" Hose Clamps	HCP0427692

* Parts not shown in drawing

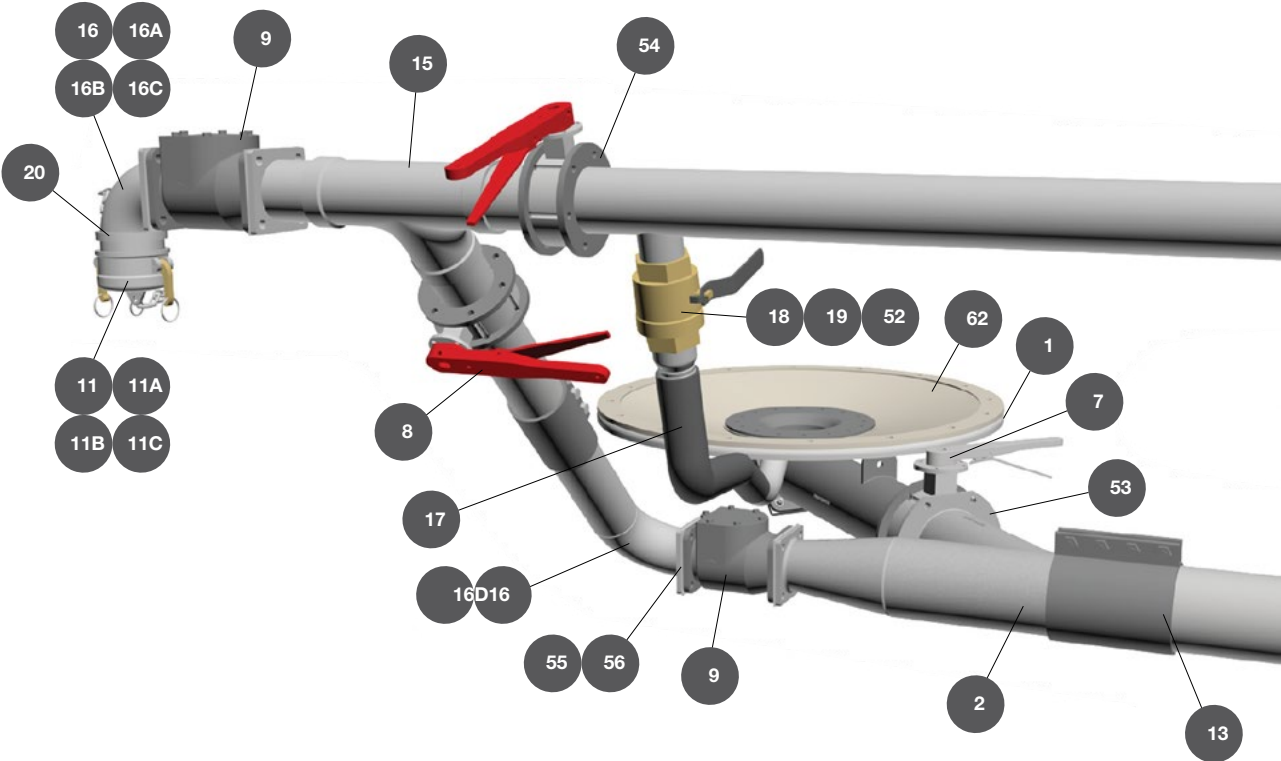


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Outlet 5



TRINITY / THRALL PRESSURE DIFFERENTIAL CAR

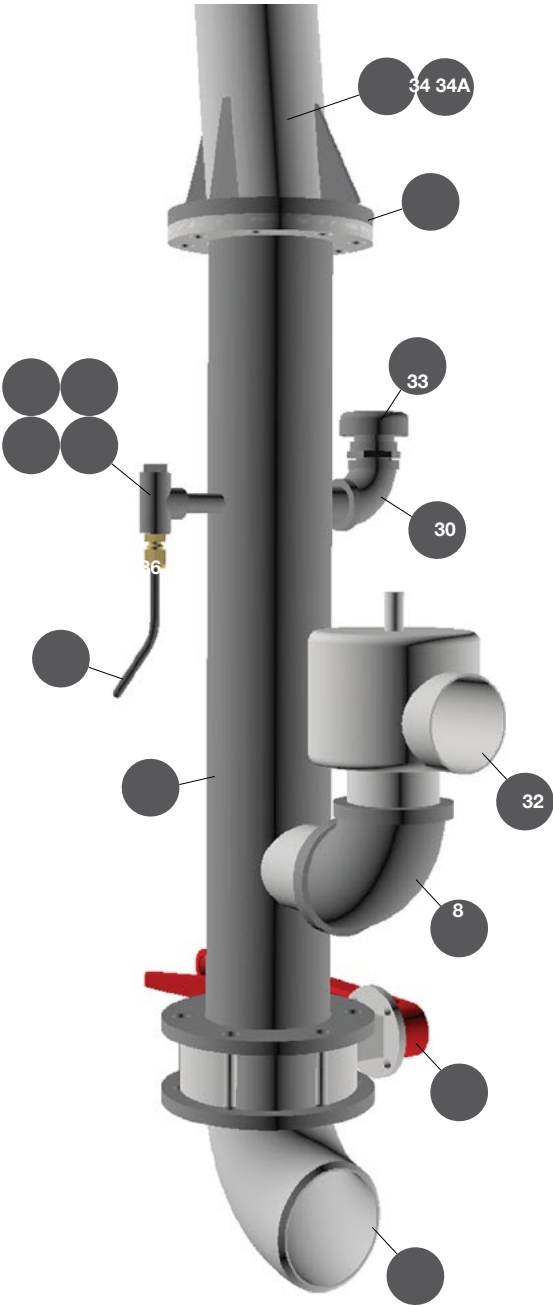


Number	Description	Part Number		Description	Part Number
1	Aerator Hopper Assembly (left)	PD1AHLA	11	3" Aluminum Dust Cap Assembly	PD3ADC2A
2	5" Discharge Lateral w/ Reducer	PD5ADL01F	11A	3" Plastic Dust Cap Assembly	PD3PDC2A
7	5" Butterfly Valve	WBV5A	11B	3" Aluminum Dust Cap Assembly w/Crossover Arms	PD3ALCA
8	3" Butterfly Valve	WBV3A	11C	3" Plastic Dust Cap Assembly w/Crossover Arms	PD3PLC2A
9	3" Check Valve	DV3030SQ-IMP	16	3" Flanged 90° Elbow	PD3A90F01
13	5" x 8" Long Compression Coupling	PD558CC8	16A	3" Flanged 45° Elbow	PD3A45F01
15	3" Belled Tee	PD3ABT02	16B	3" Flanged 90° Elbow w/Kam Groove	PD3A90F01A
17	2" Air Hose (in feet)	H2R	16C	3" Flanged 45° Elbow w/Kam Groove	PD3A45F01A
18	2" Ball Valve	VBLF20B	16D	3" Flanged 90° Elbow w/Pipe	PD3A90F02
19	2" Hose Barb	HB2A	62	Aerator Pad	PD1AP3C23
20	3" Kam Weld Fitting	PT30AWSAL	*	3" Dust Cap Gasket	PD3DCGW
52	2" Pipe Nipple	N23A	*	2" Pipe Plug	TC2P
53	5" Round Flange	PD5AF	*	Bolt Kit	PD1PADKIT1
54	3" Round Flange	PD3ARF	*	2" Hose Clamp	HCP0427692
55	3" Square Flange	PD3ASF	*	3" Round Flange Gasket	FG478602
56	3" Square Flange Gasket	PD3SG02	*	5" Round Flange Gasket	PD5FG77802
* Parts not shown in drawing					

Standpipe



TRINITY / THRALL PRESSURE DIFFERENTIAL CAR



Number	Description	Part Number
8	3" Butterfly Valve	WBV3A
30	3/4" 90° Elbow	E34A90BW
31	2" 90° Elbow	E2A90BW
32	14.7 PSI Safety Relief Valve	PDPRV1
33	3/4" Vacuum Breaker	VV34B102A
34	3" Standpipe (113" Long)	PD3ASP100
34A	3" Standpipe (89" Long)	PD3ASP200
35	Gasket	FG47802
36	Double Flange Adapter	DF3A15A
37	1/4" Close Nipple	N025C
38	1/4" Female Tee	T025F
39	1/4" Plug	TC025P
40	3" Flanged 90° Elbow	PD3A90F03
66	1/4" Hose Compression Fitting	HCF14B
67	1/4" Tubing (In Feet)	H14LD

Notice:

This chart is being offered as a guide to identifying common replacement components, and should not be interpreted as a definitive representation of the car design. Some arrangements may vary; dimensions should be verified to ensure proper fit before ordering.



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