Section 3 Pneumatic



Section 3

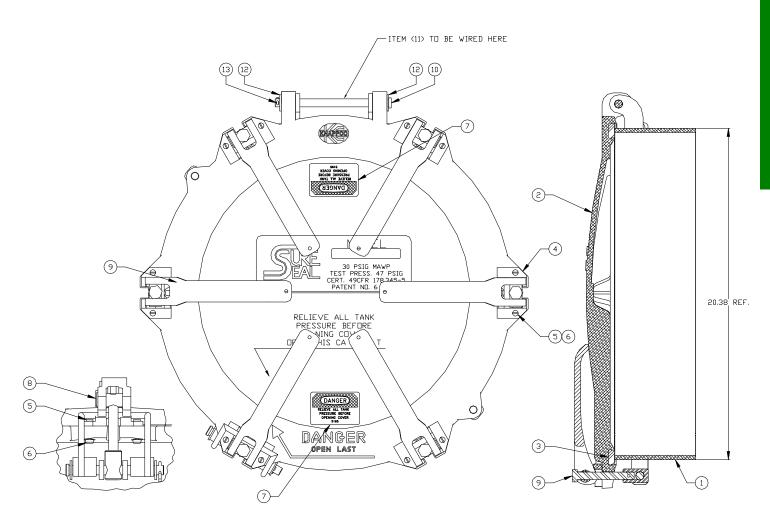
Pneumatic

Aeration Equipment	23-28	Morris Couplings	42-43
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LM1151 20" Pressure Manhole



ITEM	PART NUMBER	DESCRIPTION	QTY.
1	3467	Aluminum Weld Ring	1
2	9093 ¹	Aluminum Cover	1
3	9209 ¹	Gasket, White Neoprene	1
4	6832 ^{1,3}	Wear Plate, Nylon	6
5	6585 ^{1,3}	Screw, Hex 10-24 x 1 1/2"	12
6	4486 ^{1,3}	Lock Nut	12
7	5195 ¹	Danger Decal	2
8	10870 ^{2,3}	Cam Assy. w/ Safety Catch	1
9	10869 ^{2,3}	Cam Assy.	5

ITEM	PART NUMBER	DESCRIPTION	QTY.
10	3955 ²	Clevis Pin, 1/2 x 7"	1
11	5259	Tag (Weld Ring Flatness)	1
12	1043 ²	Washer, 1/2 Flat	2
13	1045 ²	Cotter Pin	1

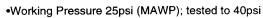
	REPAIR KITS
12218	LM+ Cover Asssy. Kit
12439	LM+ Cam Assy, Kit w/ Hinge Pin
12439	LM+ Cam Assy. Kit w/ Wear Plates
LM1051	LM+ Cover Assy. w/ 6 Cams

^{1 -} Included in 12218, 2 - Included in 12439, 3 - Included in 11734

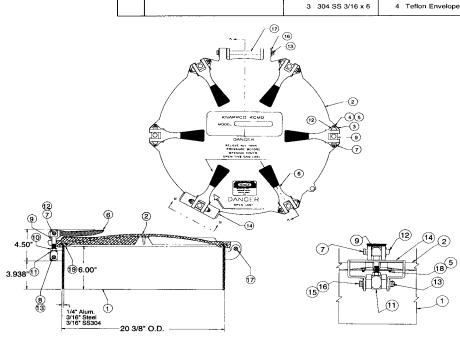


LM 20" PRESSURE MANHOLE

Features:



- •Standard 6" high weld ring
- •6 quick opening adjustable cam levers provide a positive seal
- •Available with various gasket options
- •Open rib design in the cover provides strength without hanging up product
- •Meets current manhole requirements for MC307 and DOT-407(HM183)

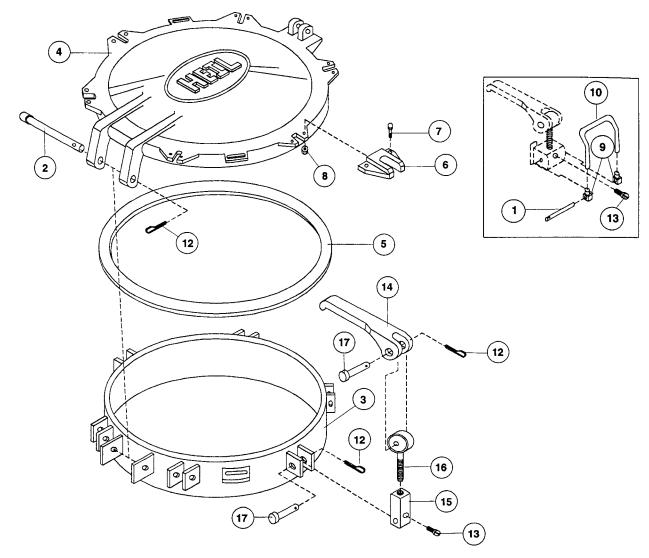


LM 20" PRESSURE MANHOLE

Gaskets 19	Buna N 3395	White Neoprene 3523	Viton 4244	Tef-Env 4875	Silicone 4862	
	GC16W - 10-32 X 7/6 (2)					
18	Screw - 10-32 x 7/8 (2)			3933	3545	
17	Hinge Pin			3955	3237	
16	Washer (4)			1043	2618	
15	Safety Catch Pin			3953	1435	
14	Safety Catch			3686	3513	
13	Cotter Pin	· · · · · · · · · · · · · · · · · · ·		1045	1083	
12	Pal Nut (12)			1020	-	
11	Connector (6)			1012	1078	
10	Jam Nut (6)			1016	1082	
9	Clamp Stud (6)			3439	3700	
8	Pivot Pin Lower (5)			5677		
7	Pivot Pin (6) upper			3952	1438	
6	Cam Lever (6)			3949	3508	
KIT CAM ASSEM				3519	4111	
5	Nuts, SS, 10-32 (12)				3544	
4	Screws, SS, 10-32 (10)				3546	
3	Wear Plate (6)				2592	
	Kit Cover Assembly Black Buna N	<u> </u>	3717			
2	Kit Cover Assembly White Neo.		3581			
1	Weld Ring Assembly	3512	3467		3511	
REFERRALS	DESCRIPTION	STEEL	ALUMINUM	PLATED	304 SS	OTHER



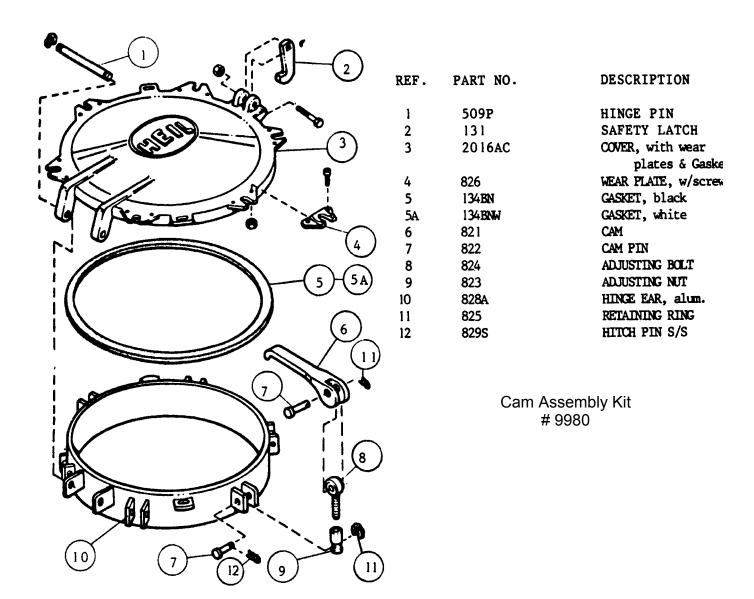
20" KNAPPCO MANHOLE COVER



HEIL NO. 112-5784-001 VENDOR NO. MM1110

Ref	Heil/Vendor	Part	No.	Description	Req
1	KN-1042		Pin	(safety latch)	2
2	KN-4091			(hinge)	1
3	KN-4468		Ring	assembly	1
4	KN-6923			r	1
5	KN-4479		Buna	gasket	1
6	KN-6372			wear plate	6
7	KN-4484			ener (wear plate)	12
8	KN-4486			(wear plate)	12
9	KN-4494		Pivot	t block	4
10	KN-4497			ty latch	2
11	KN-9980		Cam a	assembly	1
12	KN-1083		Cot	tter pin	7
13	KN-3857		Sci	rew (1/4-28 x 3/8, s.s)	6
14	KN-6361			n handle	6
15	KN-4490		Nut	(cam adjusting)	6
16	KN-4888			lt (cam adjusting)	6
17	KN-5677		Car	n pin	10

Heil Manhole Assembly



HOW TO IDENTIFY

- 2016 Cast Between Hinge Ears
- Bolt on Wear Plates
- 6 Cast Iron Hold Down Assys.
- Die Cast Aluminum Cover
- 821 Cast onto Cam
- 3/8" x 1" Rectangular Gasket

20" CAM-LATCH MANHOLE

35 psi (2.4 bar) MAWP

Betts Industries' Cam-Latch Manhole offers a highquality, robust design able to meet the stringent requirements of the transportation and processing industries. Whether it is for railcar or over-the-road, liquid or dry bulk, this manhole fills the requirement.

Manhole Specification

Model 8555 is a 20" full opening cam-latch manhole equipped with a quick opening cast aluminum cover which has a lift handle, two padlock tabs and replaceable nylon wear saddles. Six smooth-operating aluminum latches attached to robust 5/8" swingbolts are secured to the collar utilizing a single lug design. The hold-downs are adjustable to create a positive seal between the cover and collar. The cover incorporates innovative safety latches on each side of the handle. These safety latches will not swing off the cover until the cover is lifted slightly off the collar and residual tank pressure is relieved ensuring a stuck cover will not over-ride the safety mechanism. Manhole meets requirements of 49CFR §178.345-5 and §178.347-3.



MODEL 8555

Part	Materi	als of Construc	tion		Collar	Gasket #
Number	Hardware	Weld Collar	Cover and Cam Levers	Weight	Height t	
8555ABF-6	Zinc Plated Steel	Aluminum	Aluminum	41 lb		
8555ACF-6	Stainless Steel	Alullillulli	Alullillulli	(18.6 kg)		
8555SBF-6	Zinc Plated Steel	Steel	Aluminum		6"	White
8555SCF-6	Stainless Steel	Steel	Aluminum	60 lb	(152 mm)	FDA Nitrile (Buna-N)
8555CBF-6	Zinc Plated Steel	304 Stainless	Aluminum	(27.2 kg)		(Dulla-N)
8555CCF-6	Stainless Steel	304 Stairliess	Alummum			

Technical Specifications

Design P	ressure *		Design Te	emperature
Internal MAWP	External MAWP	Test Pressure *	Minimum	Maximum
35 psi (2.4 bar)	14.7 psi (1.0 bar)	53 psi (3.65 bar)	-40°F (-40°C)	250°F (121°C)

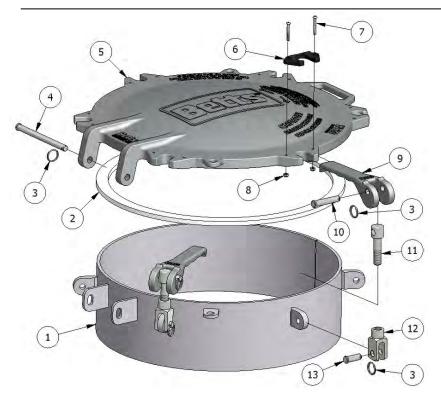
Letter	Material
F	White FDA Nitrile (Buna-N)
V	Black FKM (Viton®)
Q	Fluorosilicone

- t Alternate collar height available by designating 4, 8, or 10 as last number of part number.
- tt Alternate gasket material available. See table at right.
- Tests were conducted and ratings determined using white nitrile gasket.

Note: During welding of the collars to the tank, care should be exercised to insure the collars remain flat and round in order to assure proper performance. If necessary, a welding fixture should be used to prevent distortion.

Parts List

20" CAM-LATCH MANHOLE

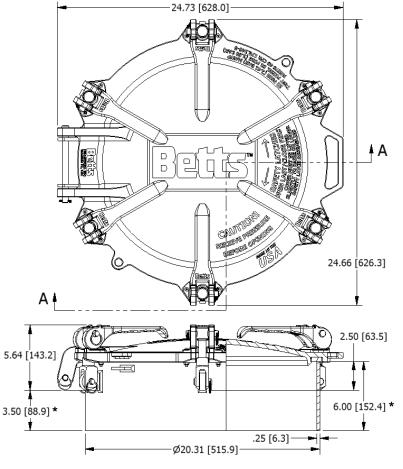


MAINTENANCE: Manhole assemblies should be inspected with sufficient frequency and due regard to the products carried.

- Inspect safety latches to insure they function properly. A properly functioning safety latch will not swing off the cover unless cover is lifted slightly off of the collar. Replace cover, clevis, latch, or wear saddle as needed.
- Inspect collar for corrosion or damage that could impair the strength or ability of manhole to seal.
- Inspect hardware for corrosion or damage that could reduce the strength of the hold-downs. Replace as needed.
- Replace worn or damaged gasket with a material compatible with products being carried.

No.	Description	Req.	Material	Part No.
1	Weld Collar Assem. (6" High)	1	Alum. 5454	6916AL-6
			White Nitrile(FDA)	4383WB
2	Gasket	1	Black FKM	4383VT
			Fluorosilicone	4383FS
3	Circle Cotter	13	302 Stainless	9Q5010
4	Hingo Din	1	Steel (Zc. Plt.)	9Q4757
4	Hinge Pin	'	303 Stainless	4401SL
5	Manhole Cover	1	Alum.	8552AL-BETTS
6	Wear Saddle	6	Nylon	6907NY
7	Cap Screw	12	18-8 Stainless	9Q5075
8	Lock Nut	12	18-8 Stainless	9Q5085
9	Cam Latch	6	Alum.	6910AL
10	Latch Pin	6	Steel (Zc. Plt.)	9Q4753
10	Laten Fill	О	17-4 Stainless	9Q4754
11	5/8 Swing Bolt	6	Steel (Zc. Plt.)	4381ZC
11	5/6 Swirig Boil	0	304 Stainless	4381SL
12	5/8 Clevis	6	Steel (Zc. Plt.)	4382ZC
12	5/6 Clevis	0	304 Stainless	4382SL
13	Clevis Pin	6	Steel (Zc. Plt.)	9Q4751
13	Cievis Fili	0	17-4 Stainless	9Q4752
Re	placement Wear Sa Kit (Items 6,7, & 8		Nylon/SS	6907NY-KIT
F	Replacement Latch	Kit	Steel (Zc. Plt.)	4402ALZC
(Ite	ms 3,6,7,8,9,10,11,12	& 13)	Stainless	4402ALSL

WARNING: Use only genuine BETTS INDUSTRIES INC. replacement parts. Substitute parts can impair the proper function of this product.

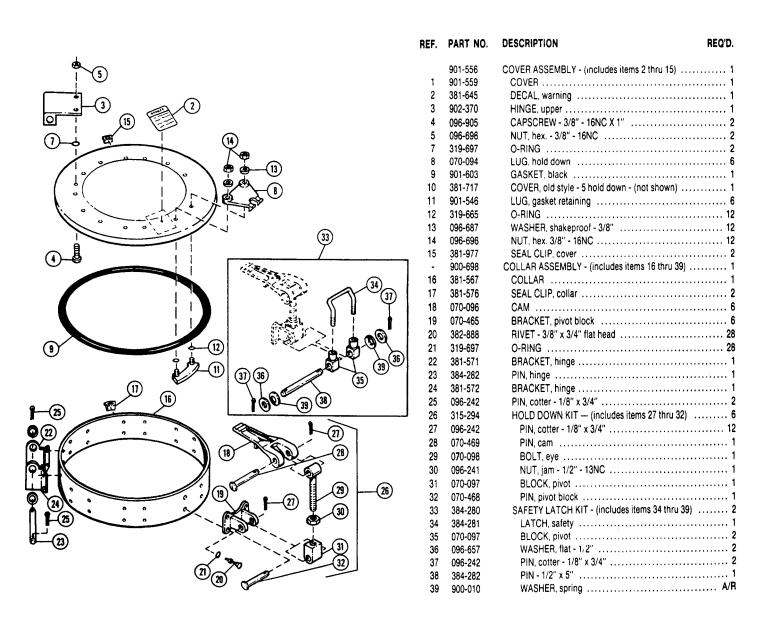


^{*} Dimensions vary dependent on collar height.

Butler STYLE MANHOLE

Also found on:

Heil · Polar · Penske · TEC



Fruehauf

MANHOLE ASSEMBLY 20" FULL OPENING (Alum & Steel Tank)

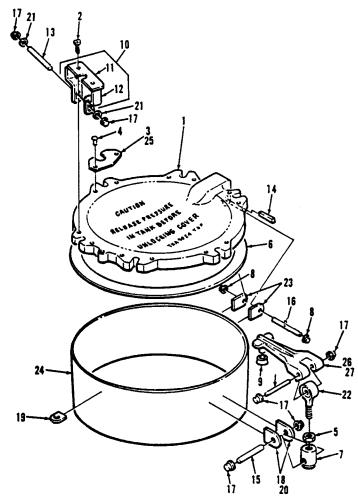


FIG. & INDEX NO.	FRUEHAUF PART NO.	DESCRIPTION	USABLE ON CODE	QTY.
	TKB 0562 05	. MANHOLE ASSEMBLY, 20" Full Opening		
. 1	TKA 5924 T6	COVER, Aluminum 20" Cast Manhole		1
. 2	GM 447827	SCREW, Panhead x 3/4" Lg. Cad. Plated		2
. 3	TKA 8242	WEAR PLATE, 16 Ga. Steel Cad. Plated		5
. 4	VKA 6606	RIVET, 5/32" Dia. x 7/16" Lg.		110
. 5	GM 219758	NUT. 3/4"-16 Hex Jam		1
. 6	VKA 5927	GASKET, (Rubber, Duro SBR Compound),	i	1
	1 ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	3/8" x 20 7/8" O.D. x 19 7/8" I.D.		1
	VKA 5928	GASKET, (Neoprene) 3/8" x 20 7/8" O.D.		1
	1	x 19 7/8" I.D.		1
	TKA 8586	GASKET, (Non-Toxic White Neoprene),		
	5555	3/8" x 20 7/8" O.D. x 19 7/8" I.D.		1
. 7	TKA 3222	SWIVEL, Cast Iron 3/4"-16 x 1 3/4"		lī
. g	ZKA 2260	NUT, 5/16" Push #375011 Palnut		2
. 9	VKA 3318	TIP, Black Stool #152 Altantic India		l ī
. 10	TWA 8864-F	SAFETY CATCH ASSEMBLY		1 i
- 11	TKA 0181	BAR, 3/16" x 2" wide x 5 5/8" Lg. H.S.L.A.		lī
- 12	TKA 0179	BAR, 3/16" x 1 1/4" Wide, H.S.L.A.	1	2
- 13	TKA 8723	CLAMP CAM PIN, 1/2" Dia. x 3 1/2" Lg.	1	1
- 13	1 KA 0120	Stl. Cad. Pl.	1	1
-14	TKA 7566	RUBBER STRIP, 1/4" x 1 1/4" Sq. x 2 3/4" Le.	l	1
.15	TKA 8724	SWIVEL PIN, 1/2" Dia. x 3" Lg. Steel Cad. Pl.	l	5
. 16	TKA 2764	HINGE PIN, 5/16" Dia. x 4" Lg. Steel Cad. Pl.	l	1
- 17	ZKA 2262	PUSH NUT , 1/2" #PW 500015 Palnut	1	24
* - 18	TKA 0199	CLAMP LUG NUT, 1/4" Fabr. H.S.L.A.	ì	1
- 10		1" x 1 1/2"	1	12
- 19	KB 0757030 23E	SEAL CLIP, Fabr. H.S.L.A.	1	1 1
* . 20	TKA 0199	HINGE LUG ALTERNATE, 1/4" Fabr. H.S.L.A.,	1	1
- 20		1 1/2" x 4 9/16"	1	2
- 21	GM 120396	WASHER, 1/2" Flat S.A.E.	1	2
- 22	TKA 1214A	ROD END, 3/4"-16 x 3 1/2" Lg. Cad. Pl.	1	1
• . 23	TKA 0199	HINGE LUG, 1/4" Fabr. H.S.L.A.	ł	2
** . 24	TKA 0205	COLLAR, 1/4" x 6" High x 63 5/8"	ł .	
		Lg. H.S.L.A.	!	1
- 25	TKA 6082	WEAR ?LATE, 16 Ga. Stn. Stl. 304-2B,	11	l .
		2 1/8" x 4" Lg.		5
		(ALTERNATE)		
- 26	TKA 8731	CLAMP ASSEMBLY, 3 1/2" Bolt Cad. PL.	1	6
- 27	TKA 0714	CLAMP CASTING	ł	1

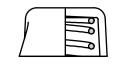




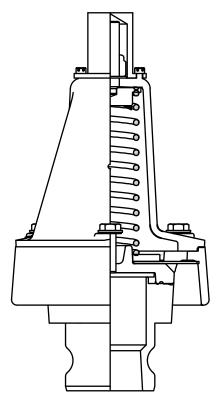
AUTOMATED SAFETY SYSTEM

Part Number	Description
AL1-ST KNAPPCO	Install Kit and Control Box
AL1-ST HEIL	Install Kit and Control Box
AL1-ST FRUEHAUF	Install Kit and Control Box
AL1-ST	Standard Lid Only - No Install Kit or Control Box
AL1-BTS BETTS	Install Kit and Control Box
AL1-BTS	No Install Kit or Control Box
Note: Lid type is	determined by Manhole Ring not Trailer Manufacturer





Fixed Pressure Models



Adjustable Models
Shown with Male Cam Lock Fitting



When ordering please specify:

 $\underline{Part\ Number} - \underline{Pressure\ Setting\ (PSI)} - \underline{(T)ank\ or\ (B)lower}$

BTRV-2150 - 15 - T-

NOTE: Tank and Blower information is used only for accurate pressure setting.

Adjustable Models

,	
Part No.	Inlet
BTRV-2150-#-X	2" Female Thread
BTRV-2350-#-X	2" Male Thread
BTRV-2550-#-X	2" Coupler

Add Required Pressure Setting & (T)ank or (B)lower eg: BTRV-2150-15-T is a 15 psi Tank Valve

Fixed Pressure Models

Part No.	Inlet
BTRV-2250-#-X	2" Female Thread
BTRV-2450-#-X	2" Male Thread
BTRV-2650-#-X	2" Male Coupler

Add Required Pressure Setting & (T)ank or (B)lower eg: BTRV-2250-15-T is a 15 psi Tank Valve

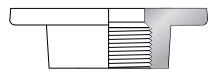
Manual Release Models

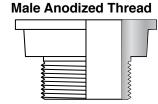
Part No.	Inlet
BTRV-2150-MR-#-X	2" Female Thread
BTRV-2350-MR-#-X	2" Male Thread
BTRV-2550-MR-#-X	2" Coupler

Add Required Pressure Setting & (T)ank or (B)lower eg: BTRV-2150-MR-15-T is a 15 psi Tank Valve

Also available with:

Female Anodized Thread

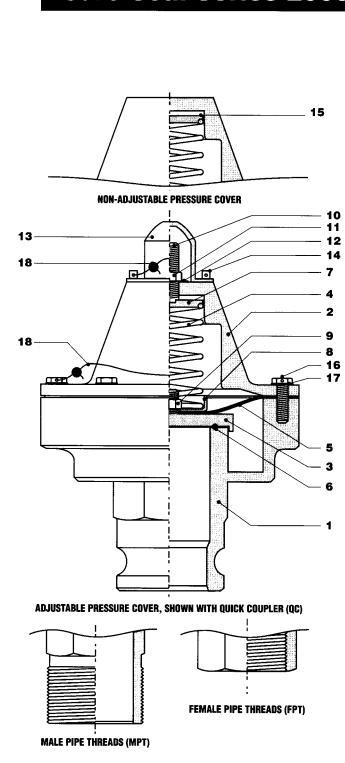








Sure Seal Series 2000 Pressure Relief Valves





2" & 3" Available 2" & 3" Vacuum Relief Also Available

ADJUSTABLE PRESSURE MODELS

Part #	Diaphragm Material	Inlet			
RV-2100-#	Standard	2" FPT			
RV-2150-#	High Temperature	2" FPT			
RV-2300-#	Standard	2" MPT			
RV-2350-#	High Temperature	2" MPT			
RV-2500-#	Standard	2" QC			
RV-2550-#	High Temperature	2" QC			
Note- Add re	Note- Add required PSI to part number when ordering,				

FIXED PRESSURE MODELS

Part #	Diaphragm Material	Inlet		
RV-2200-#	Standard	2" FPT		
RV-2250-#	High Temperature	2" FPT		
RV-2400-#	Standard	2" MPT		
RV-2450-#	High Temperature	2" MPT		
RV-2600-#	Standard	2" QC		
RV-2650-#	High Temperature	2" QC		
Note- Add required PSI to part number when ordering, (example: RV-2100-15 is 15 PSI Model)				





CAST IRON SAFETY VALVES

AIR AND VACUUM SERVICE

PRESSURE LIMITS 337 — 60 PSIG-300°F. VACUUM LIMITS 215V — 22" HG.-300°F. APPLICATIONS

APPLICATIONSProtection of low to medium pressure high volume blowers,

N.B. Certified

ASME Standard

- compressors and pneumatic conveying systems.

 Bulk hauling trailers/equipment.
- · Light gauge tanks.
- Protection of high volume vacuum pumps and conveying systems.

FFATURES

High capacity full nozzle design. Bronze nozzle, disc and guide with cast iron housing. Flat bronze valve seats are lapped for optimum performance. Warn ring offers easy adjustability for precise opening with minimum preopen or simmer and exact blowdown control. Pivot between disc and spring corrects mis-alignment and compensates for spring side thrust. Model 337 has "pull-ring" lift device for easy manual testing. Every valve 100% tested/inspected for pressure setting, blowdown and leakage. All adjustments are factory sealed to prevent tampering or dis-assembly.

OPTIONS

Stainless steel trim (nozzle and disc).

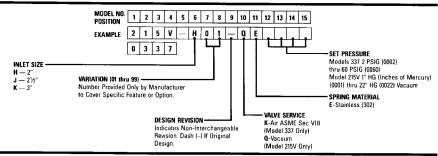
SPECIFICATIONS

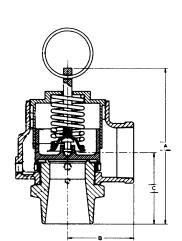
SIZE		A	В	С	WGHT LBS.	
IN & OUT	337	215V	_	Ū		
2"	7	6½	3	31/4	8	
21/2"	8	7%	31/2	3¾	14	
3″	9	81/2	4	41/4	20	

CAPACITIES SCFM Air, 60°F, 10% Accumulation

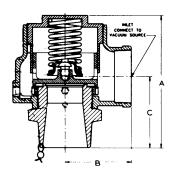
Set Pressure _	MODEL 337		Set Inches			_	
PSIG	2″	21/2"	3"	Mercury	2"	21/2"	3″
5	527	799	1157	1	140	213	308
10	743	1127	1632	2	217	329	477
15	903	1368	1982	3	264	400	579
20	1062	1609	2331	4	299	453	657
25	1221	1850	2680	5	331	501	726
30	1380	2091	3029	6	352	533	772
35	1539	2332	3379	7	372	564	817
40	1698	2573	3728	8	391	592	858
45	1857	2814	4076	9	403	610	884
50	2017	3055	4428	10	413	625	906
60	2335	3537	5125	12	424	642	930
				12.8 to 22	426	646	935

MODEL NUMBER/ORDER GUIDE





MODEL 337



MODEL 215V

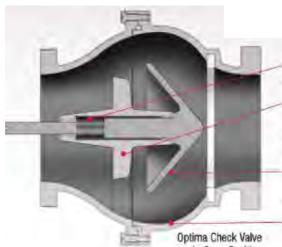




3" & 4" OPTIMA CHECK VALVES

3" Ch	neck Valves
3"	- FLANGED
Part #	Part Description
BTCV3012	Without Spring
BTCV3022 With Spring	
3" -	THREADED
Part #	Part Description
TCV3012T	Without Spring
STCV3022T	With Spring

4" (Check Valves		
4" - FLANGED			
Part #	Part Description		
BTCV4012	Without Spring		
BTCV4022	With Spring		
4" BLOWER C	HECK VALVE - FLANGED		
BTCV4090	With Spring		
4" BLOWER C	HECK VALVE - CAM LOCK		
BTCV4090MCL3	Without Spring - 3" Cam Lock		
BTCV4090MCL4	Without Spring - 4" Cam Lock		
BTCV4090MCL35	With Spring - 3" Cam Lock		
BTCV4090MCL4S	With Spring - 4" Cam Lock		



Coil Spring - Tested to provide over twice the cycling life as a conventional torsion spring.

Spring Housing - Protects your load from being contaminated from a broken spring, a common problem with torsion springs and lift check valves on the market today.

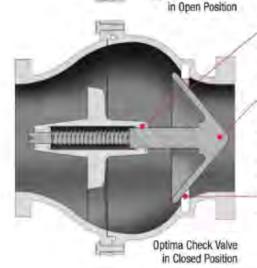
Fewer Internal Parts - Fewer parts means lighter weight and less risk of parts contaminating material being conveyed.

Bell Housing Design - Provides more open area which results in less back pressure than a standard horizontal check valve.

Guide Bushings - Bushing stops poppet from opening too far and choking flow or damaging spring. Both bushings are located on same side of poppet to limit flow obstruction.

Conical Aluminum Poppet - Conical design allows for smooth air flow and less turbulence. Poppet is hard anodized to decrease wear and lightweight for fast response. Its one-piece construction has no fasteners to loosen and contaminate down stream flow.

Molded Gasket Seat - Seals conical surface of seat to conical surface of poppet.



3" Aluminum Swing Check Valve

Ordering Specifications

Part Number Description

VC3011FG

3" Flanged with EPDM poppet 3" Flanged with EPDM poppet, seal kit VC3011FG-LK

3" Flanged with EPDM poppet, spring loaded VC3021

3" Flanged with Silicone poppet VC3012

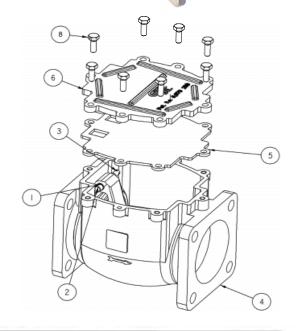
VC3022 3" Flanged with Silicone poppet, spring loaded

SureSeal VC3012 Check Valve Parts List

Item #	Name	Material	Quantity
1	3-CV- Bushing	PTFE	2
2	3-CV-Pin-R	A303 - SS	1
3	3-CV-Pin-L	A303 - SS	1
4	3-CV-A- Body	Aluminum 356-T6	1
5	3-CV-A- Gasket	White Silicone- FDA	1
6	3-CV-A-Lid	Aluminum 356-T6	1
7	3-CV-A- POPPET-S	Silicone Poppet	1
8	Z-1/4 - 20x3/4-BW	Zinc Plated Steel	8



Spring Loaded KITVC3125 KITVC312N Non-spring Loaded

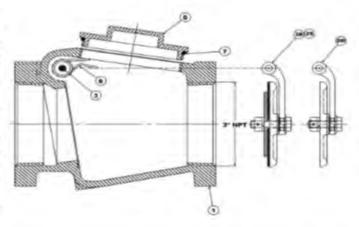


Bayco 3000 Series 3" Swing Check Valves

3000 Threaded and 3001 Square Flange Units

Bill of Materials

Item #	Description	Part #	Qty
1	swing check body		1
2M	valve flapper assembly with metal seal	use kit 300-SPK	1
2B	valve flapper assembly with Buna seal	use kit 300-BSPK	1
25	valve flapper assembly with Silicone seal	use kit 300-SSPK	1
3	shaft	3000-4	1
4	shaft nut	3000-5	2
5	clean out cap	363000-10	1
6	spring (for units with spring return flapper)	SPRG/L4603	1
7	clean out cap O-ring seal	O-RINGAS238	1



Repair Kits

Part #	Description	Includes item #s
300-SSPK	silicone seal flapper assembly, shaft, nuts, flapper spring and clean out cap O-ring seal	25, 3, 4, 6, 7
300-SK	silicone seal flapper assembly, shaft, nuts and clean out cap O-ring seal	28, 3, 4, 7
300-BSPK	buna seal flapper assembly, shaft, nuts, flapper spring and clean out cap O-ring seal	2B, 3, 4, 6, 7
300-BK	buna seal flapper assembly, shaft, nuts and clean out cap O-ring seal	2B, 3, 4, 7
300-SPK	metal seal flapper assembly, shaft, nuts, flapper spring and clean out cap O-ring seal	2M, 3, 4, 6, 7
300-K	metal seal flapper assembly, shaft, nuts and clean out cap O-ring seal	2M, 3, 4, 7

3030 Series 3" Swing Check Valve

(square flange; round flange; threaded end)

		(- 4	
Item No.	Description	Part #	Qty
1	Body	341598	1
2	Flap valve yoke	341595	1
3	Flapper valve assembly	400614	1
4	Right hand shaft	390798	1
.5	Left hand shaft	390799	1
6	Left hand spring	111935	1
7	Right hand spring	111934	1
8	Gasket	111932	1
9	Top cap	341611	1
10	Hex head bolt	111931	6
11	Washer lock	110928	6
Repair Kits			
Part #	Description		Item #'s
3030RK1	Flapper assembly, lid gasket,	yoke,	2, 3, 4, 5, 6, 7, 8
	shafts and springs		
3030RK2	Flapper assembly, lid gasket,	lid	2, 3, 4, 5, 6, 7, 8, 9, 10, 11
	hardware, yoke, shafts and s	prings	
3030RK3	Left and right spring		6, 7
3030SK	Two drilled bolts and wire se	al	

4040 Series 4" Swing Check Valve

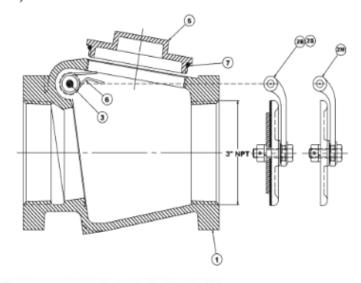
(round flange; threaded end)

Item No.	Description	Part #	Qty	
1	Body	340033	1	
2	Flapper assembly	400631	1	
3	Top cap	340039	1	
4	Flap valve yoke	341595	1	
5	Gasket	111215	1	
6	Bolt	111931	6	
7	Washer	110928	6	
8	Shaft left hand	390799	1	
9	Shaft right hand	390798	1	
10	Spring right hand	111935	1	
11	Spring left hand	111934	1	
Repair Kits				
Part #	Description			Item #'s
4040RK1	Flapper assembly, lid yoke, shafts and sp	0.000	2,	4, 5, 8, 9, 10, 11
4040RK2	Flapper assembly, lid yoke, shafts and sp	gasket,	2, 3, 4,	5, 6, 7, 8, 9, 10, 11
3030RK3	Left and right spr	ing		10, 11
3030SK	Two drilled bolts and s	eal wire		

3000TE Series 3" Swing Check Valve

(threaded ends)

Item No.	Description	Part #	Qty
1	Body	3000TE-1	1
2M	Valve assembly - metal	3000-9M	1
2B	Valve assembly - Buna	3000-9B	1
25	Valve assembly - Silicone	3000-95	1
3	Shaft	3000-4	1
4	Shaft nuts	3000-5	2
5	Clean out	36 3000-10	1
6	Spring	SPRING/L4603	1
7	Seal	O-RING-AS-238	1



Repair Kits

Part #	Description	Item #'s
300-SSPK	Valve assembly w/ silicone seal, shaft, shaft nuts, spring, seal	25, 3, 4, 6, 7
300-BSPK	Valve assembly w/ buna seal, shaft, shaft nuts, spring, seal	2B, 3, 4, 6, 7
300-SPK	Valve assembly w/ metal seal, shaft, shaft nuts, spring, seal	2M, 3, 4, 6, 7
300-SK	Valve assembly w/ silicone seal, shaft, shaft nuts, seal	25, 3, 4, 7
300-BK	Valve assembly w/ buna seal, shaft, shaft nuts, seal	2B, 3, 4, 7
300-K	Valve assembly w/ metal seal, shaft, shaft nuts, seal	2M, 3, 4, 7

3001SQ Series 3" Swing Check Valve

(square flanged)

Item No.	Description	Part #	Qty	6 28,25 2M
1	Body	3000SQ-1	1	va financia di di
2M	Valve assembly - metal	3000-9M	1	
2B	Valve assembly - Buna	3000-9B	1	
25	Valve assembly - Silicone	3000-95	1	
3	Shaft	3000-4	1	
4	Shaft nuts	3000-5	2	
5	Clean out	36 3000-10	1	
6	Spring	SPRING/L4603	1	
7	Seal	O-RING-AS-238	1	

Repair Kits

Part #	Description	Item #'s
300-SSPK	Valve assembly w/ silicone seal, shaft, shaft nuts, spring, seal	25, 3, 4, 6, 7
300-BSPK	Valve assembly w/ buna seal, shaft, shaft nuts, spring, seal	2B, 3, 4, 6, 7
300-SPK	Valve assembly w/ metal seal, shaft, shaft nuts, spring, seal	2M, 3, 4, 6, 7
300-SK	Valve assembly w/ silicone seal, shaft, shaft nuts, seal	25, 3, 4, 7
300-BK	Valve assembly w/ buna seal, shaft, shaft nuts, seal	2B, 3, 4, 7
300-K	Valve assembly w/ metal seal, shaft, shaft nuts, seal	2M, 3, 4, 7





BLACKMAXX BUTTERFLY VALVE

4	Allo Maxx Disc & Maxxlife Seat
Part Number	Description
38-795-501	3" BlackMaxx Body, AlloMaxx Disc & Maxxlife Seat
4B-795-501	4" BlackMaxx Body, AlloMaxx Disc & Maxxlife Seat
5B-795-501	5" BlackMaxx Body, AlloMaxx Disc & Maxxlife Seat
68-795-501	6" BlackMaxx Body, AlloMaxx Disc & Maxxlife Seat
	Allo Maxx Disc & Buna Seat
Part Number	Description
3B-795-530	3" BlackMaxx Body, AlloMaxx Disc & Buna Seat
4B-795-530	4" BlackMaxx Body, AlloMaxx Disc & Buna Seat
58-795-530	5" BlackMaxx Body, AlloMaxx Disc & Buna Seat
68-795-530	6" BlackMaxx Body, AlloMaxx Disc & Buna Seat
	Stainless Disc & Maxxlife Seat
Part Number	Description
38-790-501	3" BlackMaxx Body, Stainless Disc & Maxxlife Seat
48-790-501	4" BlackMaxx Body, Stainless Disc & Maxxlife Seat
5B-790-501	5" BlackMaxx Body, Stainless Disc & Maxxlife Seat
6B-790-501	6" BlackMaxx Body, Stainless Disc & Maxxlife Seat
	Ductile Disc & Maxxlife Seat
Part Number	Description
3B-600-500	3" BlackMaxx Body, Ductile Disc & Maxxlife Seat
48-600-500	4" BlackMaxx Body, Ductile Disc & Maxxlife Seat
58-600-500	5" BlackMaxx Body, Ductile Disc & Maxxlife Seat
6B-600-500	6" BlackMaxx Body, Ductile Disc & Maxxlife Seat
	Ductile Disc & Buna Seat
Part Number	Description
3B-600-530	3" BlackMaxx Body, Ductile Disc & Buna Seat
48-600-530	4" BlackMaxx Body, Ductile Disc & Buna Seat
5B-600-530	5" BlackMaxx Body, Ductile Disc & Buna Seat
6B-600-530	6" BlackMaxx Body, Ductile Disc & Buna Seat





MAXXLIFE BUTTERFLY VALVE

	Allomaxx Disc & Maxxlife Seat
Part Number	Description
2-795-501	2" Maxxlife Body, Allomaxx Disc & Maxxlife White Sea
3-795-501	3" Maxxlfe Body, Allomaxx Disc & Maxxlife White Seat
4-795-501	4" Maxxlfe Body, Allomaxx Disc & Maxxlife White Seat
5-795-501	5" Maxxlfe Body, Allomaxx Disc & Maxxlife White Sea
6-795-501	6" Maxxlfe Body, Allomaxx Disc & Maxxlife White Seat
	Stainless Disc & Maxxlife Seat
Part Number	Description
3-790-501	3" Maxxlife Body, Stainless Disc & Maxxlife White Sea
4-790-501	4" Maxxlife Body, Stainless Disc & Maxxlife White Sea
5-790-501	5" Maxxlife Body, Stainless Disc & Maxxlife White Sea
6-790-501	6" Maxxlife Body, Stainless Disc & Maxxlife White Sea
8-790-501	8" Maxxlife Body, Stainless Disc & Maxxlife White Sea
	Ductile Disc & Maxxlife Seat
Part Number	Description
2-600-500	2" Maxxlife Body, Ductile Disc & Maxxlife Black Seat
3-600-500	3" Maxxlife Body, Ductile Disc & Maxxlife Black Seat
4-600-500	4" Maxxlife Body, Ductile Disc & Maxxlife Black Seat
5-600-500	5" Maxxlife Body, Ductile Disc & Maxxlife Black Seat
6-600-500	6" Maxxlife Body, Ductile Disc & Maxxlife Black Seat
8-600-500	8" Maxxlife Body, Ductile Disc & Maxxlife Black Seat





UTILITY BUTTERFLY VALVE

	Allomaxx Disc & Buna Seat					
Part Number	Description					
2-795-530	2" Aluminum Body, Allomaxx Disc & Buna Seat					
3-795-530	3" Aluminum Body, Allomaxx Disc & Buna Seat					
4-795-530	4" Aluminum Body, Allomaxx Disc & Buna Seat					
5-795-530	5" Aluminum Body, Allomaxx Disc & Buna Seat					
6-795-530	6" Aluminum Body, Allomaxx Disc & Buna Seat					
	Stainless Disc & Buna Seat					
Part Number	Description					
3-790-531	3" Aluminum Body, Stainless Disc & Buna Seat					
4-790-531	4" Aluminum Body, Stainless Disc & Buna Seat					
5-790-531	5" Aluminum Body, Stainless Disc & Buna Seat					
6-790-531	6" Aluminum Body, Stainless Disc & Buna Seat					
10-790-531	10" Aluminum Body, Stainless Disc & Buna Seat					
	Ductile Disc & Buna Seat					
Part Number	Description					
2-600-530	2" Aluminum Body, Ductile Disc & Buna Seat					
3-600-530	3" Aluminum Body, Ductile Disc & Buna Seat					
4-600-530	4" Aluminum Body, Ductile Disc & Buna Seat					
5-600-530	5" Aluminum Body, Ductile Disc & Buna Seat					
6-600-530	6" Aluminum Body, Ductile Disc & Buna Seat					
8-600-530	8" Aluminum Body, Ductile Disc & Buna Seat					
10-600-530	10" Aluminum Body, Ductile Disc & Buna Seat					



SIZE	VALVE MANF.	STYLE	HANDLE PART #	
יונ		STEEL	400-250-4610	
3	n#i	ALUM OFFSET	HD700-207-4610	
4-6"	BTI	STEEL	400-250-610	
4-6		ALUM OFFSET	HD700-207-610	





STEEL

ALUMINUM OFFSET



SIZE	VALVE MANF. STYLE		HANDLE PART #		
2-3"			400-250-23-10		
4-6"	CURE CEAL	CTCCI	400-250-46-10		
6" 890 SERIES	SURE SEAL	STEEL	400-250-610		
2-6" 345 SERIES			400-250-46-10		

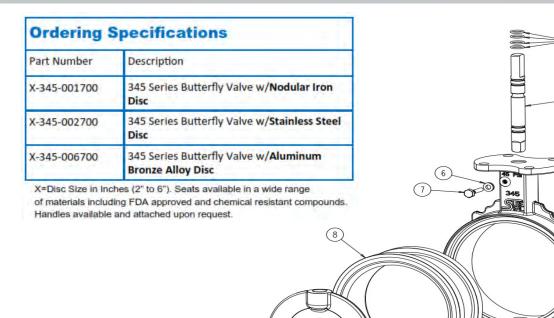


STEEL





345 Butterfly Valve



		2"	3"	4"	5"	6"
1	345 ALUMINUM HOUSING	2-345-206	3-345-206	4-345-206	5-345-206	6-345-206
2	TOP STEM	2-3-345-TS	2-3-345-TS	4-6-345-TS	4-6-345-TS	4-6-345-TS
3	O-RING BUNA-N	12442	12442	12442	12442	12442
4	BOTTOM STEM	2-3-345-BS	2-3-345-BS	4-6-345-BS	4-6-345-BS	4-6-345-BS
5	PLUG, VALVE STEM	2-6-PPLG	2-6-PPLG	2-6-PPLG	2-6-PPLG	2-6-PPLG
6	SEAL WASHER	12477	12477	12477	12477	12477
7	TOP STEM RETAINING PIN	2-6-345-STEM-PIN	2-6-345-STEM-PIN	2-6-345-STEM-PIN	2-6-345-STEM-PIN	2-6-345-STEM-PIN
8	SEAT (SEE CHART BELOW)	2-500-522XXX	3-500-522XXX	4-500-522XXX	5-500-522XXX	6-500-522XXX
9	DISC (SEE CHART BELOW)	2-300-322XXX	3-300-522XXX	4-300-322XXX	5-300-322XXX	6-300-322XXX

SEAT CHART MATERIAL

BLACK NITRILE	WHITE NITRILE	EPDM	VITON	SILICONE	TEFLON
X-500-522700	X-500-522701	X-500-522515	X-500-522540	X-500-522561	X-500-522650

^{*}NOTE -(X) = VALVE SIZE

DISC CHART MATERIAL

NODULAR IRON	STAINLESS STEEL	NYLON COATED	ALUMINUM BRONZE
X300-322237	X-300-322209	X-300-322207U	X-300-322203

^{*}NOTE -(X) = VALVE SIZE



UNITORQUE ACTUATORS



DOUBLE ACTING ACTUATOR

PART N	UMBER DESCRIPTION	•
1-75DA	2", 3", 4" DOUBLE ACTING ACTUATOR	
I-105DA	5", 6" DOUBLE ACTING ACTUATOR	
I-157DA	4", 5", 6" EXCESSIVE TORQUE DOUBLE ACTING ACTUATOR	
I-237DA	8" DOUBLE ACTING ACTUATOR	
I-331DA	10" DOUBLE ACTING ACTUATOR	

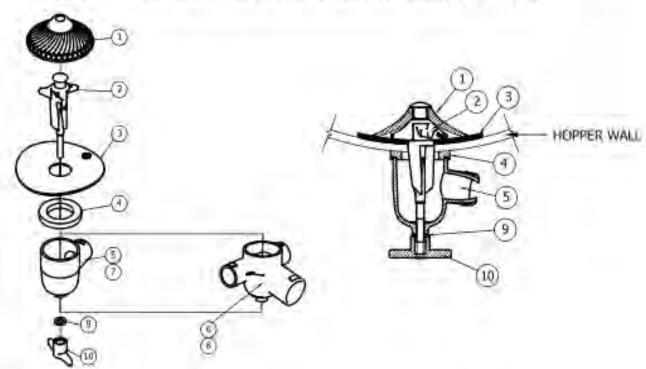
AIR OPEN SPRING RETURN ACTUATOR

PART NUMBER	DESCRIPTION
I-75-55-S	2", 3" AIR OPEN SPRING RETURN ACTUATOR
I-10555-S	4", 5" AIR OPEN SPRING RETURN ACTUATOR
I-157-55-S	4", 5", 6" EXCESSIVE TORQUE AIR OPEN SPRING RETURN ACTUATOR
I-237-55-S	6" AIR OPEN SPRING RETURN ACTUATOR
I-331-55-S	8", 10" AIR OPEN SPRING RETURN ACTUATOR

SPIN FLOW AERATOR LIST

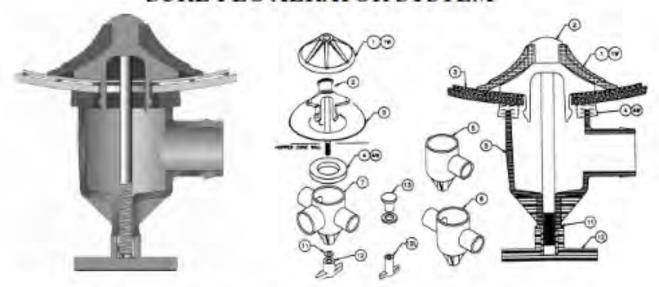


NO.	PART NO.	DESCRIPTION
1	A204	AERATOR RUBBER, BLUE SILICONE - FOOD GRADE
2	A205	AERATOR STEM
3	A207	WEAR PLATE W/GASKET, STAINLESS STEEL, CLEAR SILICONE
4	A208	PORT HOUSING GASKET, BLUE SILICONE - FOOD GRADE
5	A211	1 PORT AERATOR HOUSING (NATURAL)
5	A213	3 PORT AERATOR HOUSING (NATURAL)
7	A211C	1 PORT AERATOR HOUSING (CLEAR)
8	A213C	3 PORT AERATOR HOUSING (CLEAR)
9	A215	TEE HANDLE GASKET
10	A210	AERATOR TEE HANDLE
	A216	HOPPER PLUG W/GASKET
	A299	INSIDE AERATOR ASSEMBLY - ITEMS: 1 & 2
	A200	INSIDE AERATOR ASSEMBLY W/WEAR PLATE - ITEMS: 1, 2 & 3
	A221 A223	1 PORT COMPLETE ASSEMBLY NATURAL - ITEMS: 1, 2, 4, 5, 9 & 10 3 PORT COMPLETE ASSEMBLY NATURAL - ITEMS: 1, 2, 4, 7, 9 & 10
	A201	1 PORT COMPLETE ASSEMBLY NATURAL WAVEAR PLATE - ITEMS: 1, 2, 3, 4, 5, 9 & 10
	A203	3 PORT COMPLETE ASSENBLY NATURAL W/WEAR PLATE - STEMS: 1, 2, 3, 4, 7, 9 & 10
	A221C	1 PORT COMPLETE ASSEMBLY CLEAR - ITEMS: 1, 2, 4, 5, 9 & 10
	A223C	3 PORT COMPLETE ASSEMBLY CLEAR - ITEMS: 1, 2, 4, 0, 9 & 10
	ABBOOK	1 PORT COMPLETE ASSEMBLY CLEAR W/WEAR PLATE - ITEMS: 1, 2, 3, 4, 6, 9 & 10
	A201C	I PURT COMPLETE ASSEMBLY CLEAR W/WEAR PLATE - I LENSS 1, 2, 3, 9, 0, 8 & tu





SURE FLO AERATOR SYSTEM



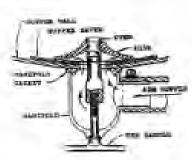
ITEM	PART #	DESCRIPTION
1	A104	Rubber Aerator, blue silicone - food grade
IW	AW104	Rubber Aerator, white silicone - food grade
2	A105	Aerator Housing, grey with stainless stem
3	A107	Aerator Stainless Steel Wear Plate, clear silicone
4	A108	Aerator Port Housing gasket, blue silicon - food grade
4W	AW108	Aerator Port Housing gasket, white silicon - food grade
5	A111	Aerator Port Housing, 1- port grey
6	A112	Aerator Port Housing. 2- port grey
7	A113	Aerator Port Housing, 3- port grey
6 7 8	AILIC	Aerator Port Housing, 1- port Sure View, clear
9	A112C	Aerator Port Housing, 2- port Sure View, clear
10	A113C	Aerator Port Housing, 3- port Sure View, clear
11	A115	Aerator Tee Handle Gasket
12	A110	Aerator External Tee Handle, for use with Sure Flo, Solimar and
		Fruehauf Port Housings
12L	A110L	Aerator External Tee Handle, for use with Heil and Polar Housings
13	A116	Hopper Plug with gasket
	A99	Inside Aerator Assembly
	A100	Inside Aerator Assembly with wearplate
	A121	1 - Port Complete Assembly Grey
	A122	2 - Port Complete Assembly Grey
	A123	3 - Port Complete Assembly Grey
	A101	1 - Port Complete Assembly Grey with wearplate
	A102	2 - Port Complete Assembly Grey with wearplate
	A103	3 - Port Complete Assembly Grey with wearplate
	A121C	1 - Port Complete Assembly Sure View, clear
	A122C	2 - Port Complete Assembly Sure View, clear
	A123C	3 - Port Complete Assembly Sure View, clear
	A101C	1 - Port Complete Assembly Sure View, clear with wearplate 1, 2, 3, 4, 8, 11, 12
	A102C	2 - Port Complete Assembly Sure View, clear with wearplate 1, 2, 3, 4, 9, 11, 12
	A103C	3 - Port Complete Assembly Sure View, clear with wearplate 1, 2, 3, 4, 10, 11, 12



AERATION SYSTEM

PART# DESCRIPTION 4124 Disk, blue silicone-food grade..... 4134 Disk, natural silicone-food grade 4125 Stem, grev, brass insert 4135 Stem, natural, stainless insert 4155 Stem, aluminum Hopper Saver, black EPDM..... 4126 4146 Hopper Saver, black EPDM 2* opening 4127 Manifold Gasket, blue silicone-lood grade 4137 Manifold Gasket, natural silicone-food grade...... 4121 Manifold, 1-port grey..... 4122 Manifold, 2-port grey 4123 Manifold, 3-port grey..... 4621 Manifold, 1-port clear. Manifold, 2-port clear..... 4622 4623 Manifold, 3-port clear. 4129 Tee-handle Assembly, stainless Raised Tee-handle Assembly _____ 4130 4139 Bolt Assembly, hex, stainless Boll Assembly, Socket head, (internal hex) 4149 4159 Bot Assembly, T.I.R., stainless FASTEMERS HORSES SAVERS MAURICLD GARNETS MANEGLOS Other Water Make I MONTH EPOM t telfort green 1. Terrestron Adapt Винси ЕРДМ, z 3 Pongray 2 How East Asset. If enterting 5 Station (mini Attay 2.3 Fort party 31. Abornouse Steers A 1-Pain amail a T.J.R. Asset F.It Please awar.

Expenses Figure Section Key Agent (F12715) Key Agent (F2715) Figure (F2715) Figur



III Is Promounted



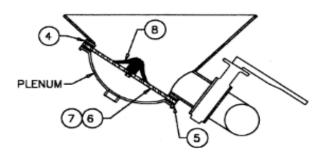
STAINLESS STEEL AND CARBON STEEL

GRAVITY OUTLET PLATE

10" PLATE - 13" O.D.

FOR FRUEHAUF TRAILERS





SECTION VIEW OF HOPPER BOOT

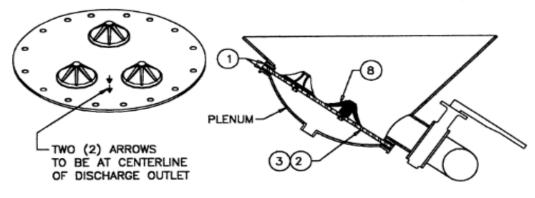
Item	Description	Fruehauf	Solimar	Sure Seal
1	Neoprene Gasket 20" O.D.	TKA 8557	5012	A322
2	20" Stainless Steel Aerator Plate 16" I.D. (Includes 3 Aerator rubbers)	TKG 2108-2	5050	AS3200
3	20" Carbon Steel Aerator Plate 16" I.D. (Includes 3 Aerator rubbers)	TKG 2108-4	5052	A3200
4	Neoprene Gasket-Upper Thickness 1/4" 13" O.D., 9 3/4" I.D.	VKA 8375	5018	A310U
5	Neoprene Gasket-Lower Thickness 1/8" 13" O.D., 9 3/4" I.D.	VKA 7421	5017	A310B
6	10" Carbon Steel Aerator Plate 13" O.D. (Includes 1 Aerator rubber)	TKG 2108-3	5053	A3100
7	10" Stainless Steel Aerator Plate 13" O.D. (Includes 1 Aerator rubber)	TKG 2108-1	5051	AS3100
8	Sure Flo Aerator Rubber (Blue)	TKG 0639-1	4124	A104

STAINLESS STEEL AND CARBON STEEL

20" PLATE - 16" I.D.

FOR FRUEHAUF TRAILERS

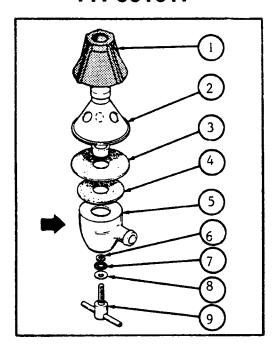
Replaces Fabric Pads, 311 Aluminum Aerator Plate or Solimar Aerator Plate



SECTION VIEW OF HOPPER BOOT

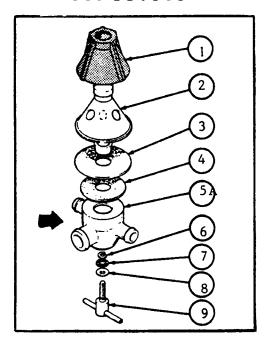
Heil/Butler Aeration System

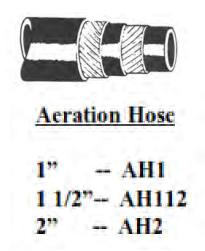
1 PORT ASSY. 77P901617



REF. NO.	PART NO.	DESCRIPTION
1 2 3 4 5 5 5A 6 7	903261 910210 910213 315731	AERATION CONE (blue) AERATION CASTING CASTING GASKET (blue) MANIFOLD GASKET 1 PORT MANIFOLD 3 PORT MANIFOLD E. CLIP HANDLE GASKET
9		TEE HANDLE (s/s)

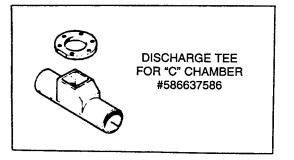
3 PORT ASSY. 77P901616

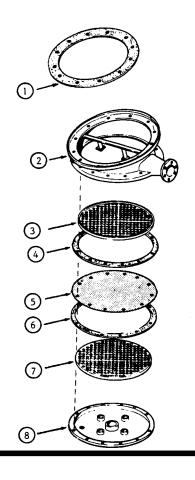




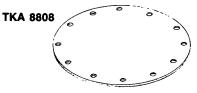
Heil "C" Chamber Aeration Assembly

REF. NO.	PART NO.	DESCRIPTION
1		UPPER CHAMBER GASKET
2	948151	AERATION CHAMBER
3	775789	AERATION SCREEN
4	222919	AERATION PAD GASKET
5	141295	AERATION PAD
6	222919	AERATION PAD GASKET
7	775789	AERATION SCREEN
8	103863	LOWER CHAMBER COVER





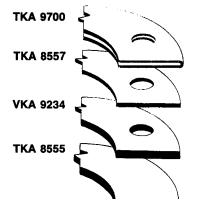
Fruehauf Aeration Pad and Gasket



O.D	
# Holes	16
Hole Dia	9/16
B.C	18 1/8

TKA 8807 13" AERATION PAD VKA 7421 - 1/8" THICK PAD GSKT VKA 8375 - 1/4" THICK PAD GSKT

TKA 8809 - 30" AERATION PAD TKA 9699 - 1/8" THICK ENV PAD GSKT



1/8" Thick Envelope x 19 5/8 O.D. 16 Hol

1/8" Thick x 19 5/8 O.D. 16 Holes

1/4" Thick x 19 5/8 O.D. 16 Holes

1/4" Thick x 19 5/8 O.D. No Holes







Siphon Flow Hopper Tees			
Part Number	Size	Description	
BT-500-A	5	5" Aluminum Straight Tee	
BT-510-A	5	5" Aluminum Bottom Drop Tee	
BT-500LP-A	5	5" Aluminum Low Pro. Straight Tee	
BT-510LP-A	5	5" Aluminum Low Pro. Bottom Drop Tee	
BT-600-A	6	6" Aluminum Straight Tee	
BT-610-A	6	6" Aluminum Bottom Drop Tee	
BT-600LP-A	6	6" Aluminum Low Pro. Straight Tee	
BT-610LP-A	6	6" Aluminum Low Pro. Bottom Drop Tee	
BT-810-A	8	8" Aluminum Bottom Drop Tee	

Food Grade Siphon Flow Hopper Tees			
Size	Description		
5	5" Aluminum Straight Tee		
5	5" Aluminum Low Pro. Straight Tee		
6	6" Aluminum Straight Tee		
6	6" Aluminum Low Pro. Straight Tee		
	Size 5 5 6	Size Description 5 5" Aluminum Straight Tee 5 5" Aluminum Low Pro. Straight Tee 6 6" Aluminum Straight Tee	

Stainless Ultra Lightweight Low Profile Siphon Flow Tees			
Part Number	Size	Description	
BT-500LP-SS	5	5" Stainless Low Pro. Straight Tee	
BT-610LP-SS-SS	6	6" Stainless Low Pro. Bottom Drop Tee	

Siphon Flow Bottom Drop Parts List		
Part Number	Description	
BT-510-A-DOOR-F	5" Bottom Drop Door Assembly	
BT-610-A-DOOR-F	6" Bottom Drop Door Assembly	
BT-810-A-DOOR-F	8" Bottom Drop Door Assembly	
BT-510-GASKET	5" Bottom Drop Gasket	
BT-610-GASKET	6" Bottom Drop Gasket	
BT-810-GASKET	8" Bottom Drop Gasket	
BD-PIVOT-PIN	Cam Pivot Pin 11/16" Diameter	
BD-HOOK	Cam Hook Bolt 7/16" - 20	
BD-CLEVIS PIN	Door Clevis Pin	
BD-HITCH PIN	Hitch Pin	
BD-SFPIN-LAN	Safety Pin with Steel Laynard	
BT-EO-HANDLE-A	Easy Open Handle for 8" Bot. Drop Tee	





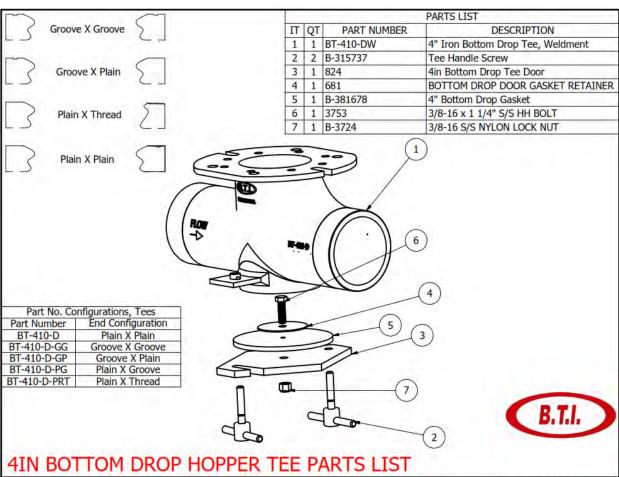
Sand Hog Hopper Tee				
Part Number	Size	Description		
BT-400-D	4	4" Sandhog Straight Tee		
BT-410-D-SS	4	4"Sandhog Bottom Drop Tee		
BT-500-D	5	5" Sandhog Straight Tee		
BT-510-D-SS	5	5" Sandhog Bottom Drop Tee		
BT-600-D	6	6" Sandhog Straight Tee		
BT-610-D-SS	6	6" Sandhog Bottom Drop Tee		

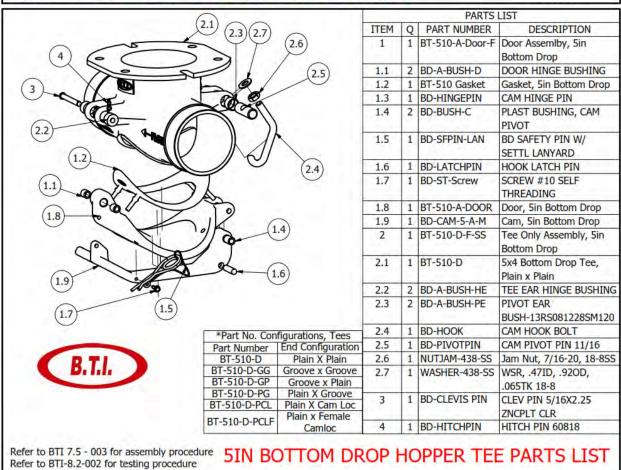


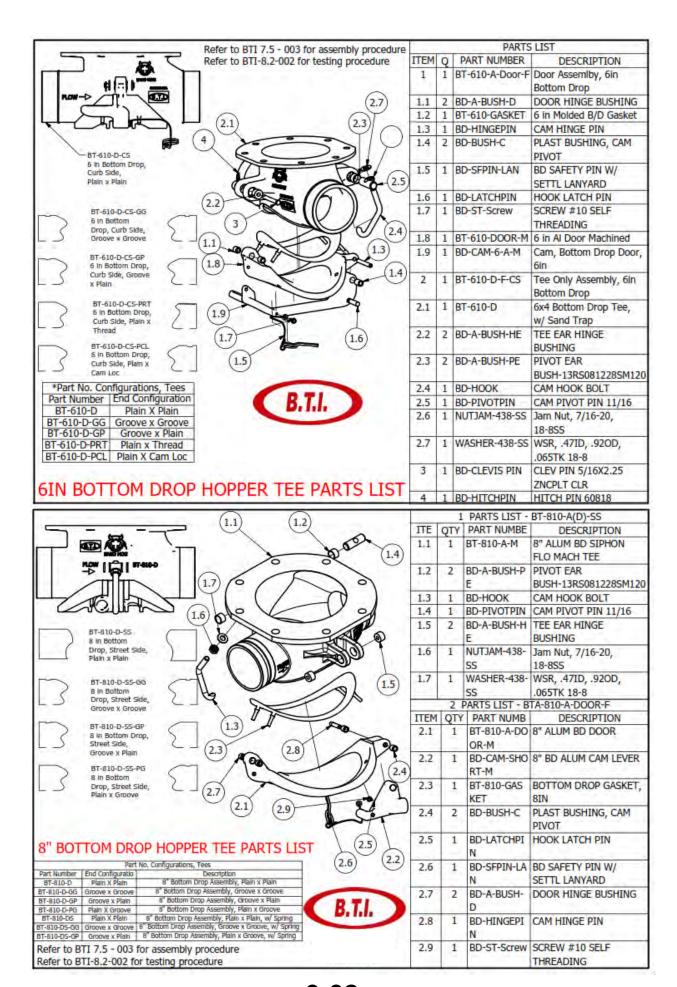
Blackmaxx Super Sandhog Hopper Tee		
Part Number	Size	Description
BT-400-DX	4	4" Super Sandhog Straight Tee
BT-410-DX	4	4" Super Sandhog Bottom Drop Tee
BT-500-DX	5	5" Super Sandhog Straight Tee
BT-500-DX-SSPCL	5	5" Super Sandhog Straight w/ Male Camlock
BT-510-DX	5	5" Super Sandhog Bottom Drop Tee
BT-510-DX-SSPCL	5	5" Super Sandhog Bottom Drop w/ Male Camlock
BT-510-DXSSPCLF	5	5" Super Sandhog Bottom Drop w/ Female Camlock
BT-600-DX	6	6" Super Sandhog Straight Tee
BT-610-DX	6	6" Super Sandhog Bottom Drop Tee
BT-610-DX-SSPCL	6	6" Super Sandhog Bottom Drop w/ Male Camlock
BT-610-DX-SSPCLF	6	6" Super Sandhog Bottom Drop w/ Female Camlock

Note: All tees come standard without Grooves.

Grooved on one end
Grooved on both ends
Male Camlock (Only Available on 5" Bottom
Drop & Straight Tees)
Female Camlock (Only Available on 5"
Bottom Drop Tees)
Rear Thread

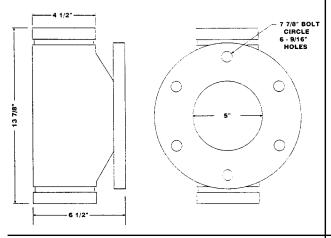




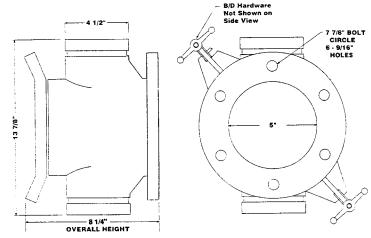




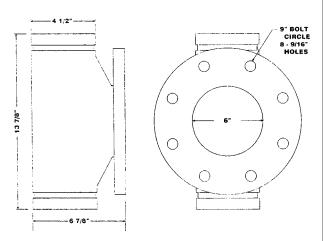
5" Aluminum Tee Part # T-500



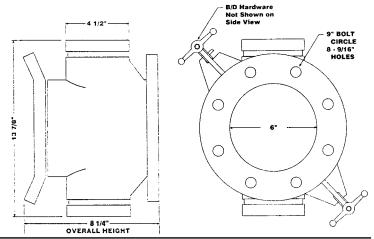
5" Aluminum Bottom Drop Tee Part # T-510



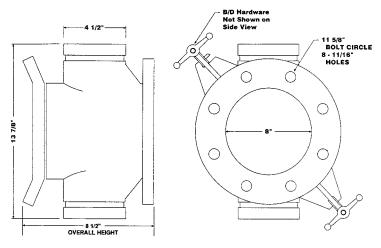
6" Aluminum Tee Part # T-600



6" Aluminum Bottom Drop Tee Part # T-610

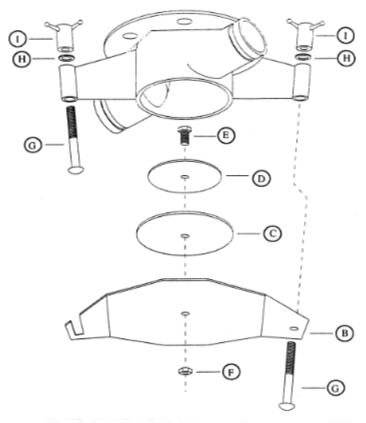


8" Aluminum Bottom Drop Tee Part # T-810





5" - 6" - 8" Aluminum Bottom Drop Tee Parts Breakdown



5", 6" and 8" Drop Tee Parts

	Part #	Description
В	831	5-6" ALUM B/D DOOR ONLY
	833	8" ALUM B/D DOOR ONLY
C	B-381679	5" B/D GASKET
	680	6" B/D GASKET
	766	8" B/D GASKET
D	681	B/D GASKET RETAINER
E	753	3/8" X1-1/4" 5/5 BOLT
F	724	3/8" S/S LOCK NUT
G	21681	B/D BOLT - PLATED
H	674	5/8" B/D WASHER
E	109	B/D WING NUT - PLATED

Bottom Drop Door Assembly w/ Gasket

(Consists of Ref# B, C, D, E, F)

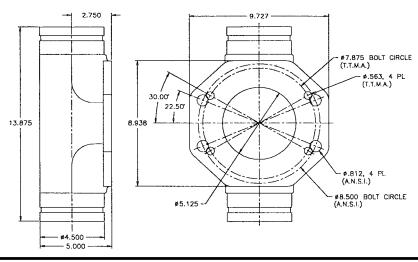
832LP 5" B/D DOOR ASSY. 832LP 6" B/D DOOR ASSY. 835 8" B/D DOOR ASSY.

3-34

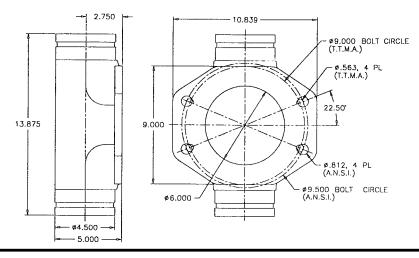
www.wertswelding.com



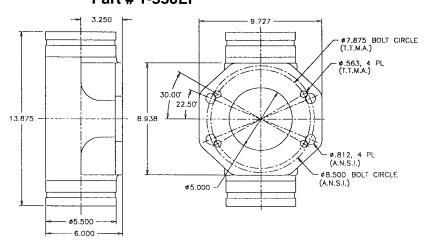
5" Aluminum Low Profile Tee Part # T-500LP



6" Aluminum Low Profile Tee Part # T-600LP



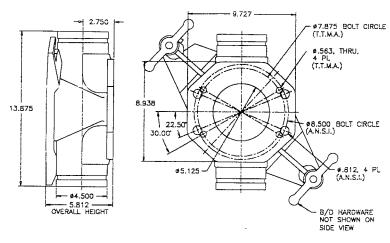
5" x 5" Aluminum Low Profile Tee Part # T-550LP



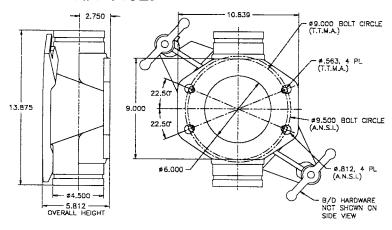
3-35
www.wertswelding.com



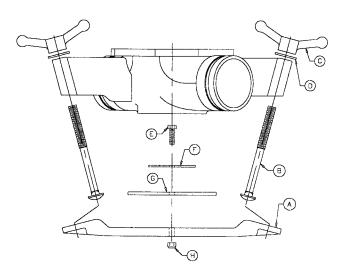
5" Aluminum Low Profile Bottom Drop Tee Part #T-510LP



6" Aluminum Low Profile Bottom Drop Tee Part #T-610LP



5" - 6" Aluminum Low Profile Bottom Drop Tee Parts Breakdown



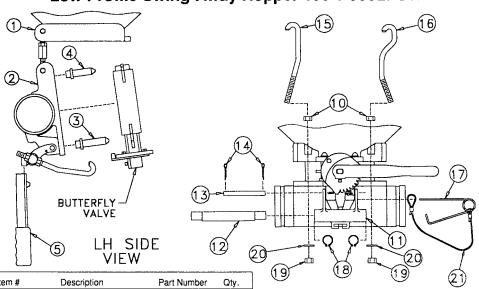
5"-6" Low Profile Bottom Drop Tee Parts							
Ref. No.	Part Number	Description	Qty				
A	831LP	5"-6" Low Profile B/D Door	1				
В	036LP	Low Profile 8/D Bolt	2				
С	109	B/D Wing Nut	2				
D	674	B/D Washer	2				
E	753	3/8" X 1 1/4" S/S Bolt	1				
F	681	B/D Gasket Retainer	1				
G	680	5" - 6" B/D Gasket	1				
Н	724	3/8" S/S Locknut	1				

Low Profile Bottom Drop Door Asser	Low Profile Bottom Drop Door Assembly W/Gasket Consists of Ref #A, E, F, G & H					
Part Number	Description					
832LP	5"-6" Low Profile B/D Door Assembly					





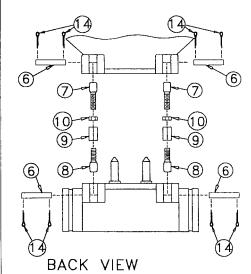
Replacement Part Number and Description: Low Profile Swing-Away Hopper Tee T-500LPSW



Item	Item # Description Part Number Oty								
<u></u>	Hopper Flange	801	1						
2	Low Profile Swing-Away Hopper Tee	T-500LPSWM	1						
3	Front Line-Up Pin	SS-3/4-SWF-PIN	2						
4	Rear Line-Up Pin	SS-3/4-SWR-PIN	2						
5	T-Handle	806	1						
6	Eyebolt Pin	808	4						
7	Top Eyebolt, RH Thread	098-SS-RH	2						
8	Bottom Eyebolt, LH Thread	098-SS-LH	2						
9	Hex Adjuster	SS-HEX-ADJ	2						
10	Jam Nut, 1/2-13UNC	241	4						
11	Bracket w/ T-Handle Slot	HDL-BRKT	1						
12	Slide Bar	SS-1-HDL-BAR	1						
13	Upper Pin, Handle	807	1						
14	Cotter Key	242	10						
15	LH Hook	SS-1/2-LH-HOOK	1						
16	RH Hook	SS-1/2-RH-HOOK	1						
17	Safety Pin	809	1						
18	Snap Ring, External	803	2						
19	Nut, 1/2-13 Locknut	SS-1/2-HX-NUT	2						
21	Safety Cable	810	1						

810-CBL-KIT

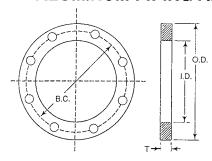
Safety Pin, Cable & Clip Assy.

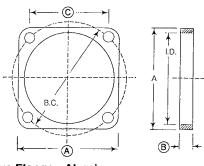


FRONT VIEW



ALUMINUM PIPING AND HOPPER WELD FLANGES





3" Square Check Valve Flange - Aluminum

Part #	I.D.	B.C.	# of Holes	Hole Size	(A)	B	©
725	3.562	5.00	4	.5625	4.875	.375	3.50

TTMA Piping and Valve Flanges - Aluminum

Size	Part #	Thickness	O.D.	I.D.	B.C.	# of Holes	Hole Size
3"	750	.375	5.625	3.562	4.875	8	.4375

Note: Drilling in accordance with TTMA recommended standards

Valve Flanges - Aluminum

Size	Part #	Thickness	O.D.	I.D.	B.C.	# of Holes	Hole Size	
3"	733	.375	6.00	3.562	4.875	6	.4375	
4"	726	.50	9.00	4.00	7.00	6	.5625	
5"	702	.50	10.00	5.00	7.875	6	.5625	
6"	701	.50	11.00	6.00	9.00	8	.5625	
8"	700	.50	13.50	8.00	11.625	8	.6875	

Note: Above flanges match all popular Butterfly Valve Bolt Patterns

Valve Flanges - Aluminum

Size	Part #	Thickness	O.D.	I.D.	B.C.	# of Holes	Hole Size
2"	748	.375	5.562	2.375	4.25	4	.4375
3"	733	.375	6.00	3.562	4.875	6	.4375
3"	733BF	.375	6.00	none	4.875	6	.4375
4"	726	.50	9.00	4.00	7.00	6	.5625
4"	751	.375	6.625	4.50	5.875	8	.4375
5"	702	.50	10.00	5.00	7.875	6	.5625
6"	701	.50	11.00	6.00	9.00	8	.5625
8"	700	.50	13.50	8.00	11.625	8	.6875

Valve Flanges - Steel

Size	Part #	Thickness	O.D.	I.D.	B.C.	# of Holes	Hole Size
3"	730	.25	5.625	3.562	4.875	8	.4375
3"	745	.25	6.00	3.562	4.875	6	.4375
4"	706	.25	9.00	4.00	7.00	6	.5625
4"	707	.25	6.625	4.50	5.875	8	.4375
5"	705	.25	10.00	5.00	7.875	6	.5625
6"	704	.25	11.00	6.00	9.00	8	.5625
8"	709	.25	13.50	8.00	11.625	8	.6875

3" Square Check Valve Flanges - Steel

Part #	I.D.	B.C.	# of Holes	Hole Size	A	B	0
725S	3.562	5.00	4	.5625	4.875	.250	3.50



Blackmaxx All In One Coupler						
Part Number	Size	Description				
BTC-BM-A1-4	4	4" A1 Blackmaxx Solid Gasket Coupler - Cam Handle				
BTC-BM-A1-4-B	4	4" A1 Blackmaxx Solid Gasket Coupler - Tee Handle	аситани 🚛			
BTC-BM-A1-4-BS	4	4" A1 Blackmaxx Split Gasket Coupler - Tee Handle	U-IN-ONE VOUPLER BY B.T.L.			
BTC-BM-A1-4L	4	4" A1 Blackmaxx Solid Gasket Coupler - Cam Handle & Landyard	OI LLII A			
BTC-BM-A1-4S	4	4" A1 Blackmaxx Split Gasket Coupler - Cam Handle				
BTC-BM-A1-4SL	4	4" A1 Blackmaxx Split Gasket Coupler - Cam Handle & Landvard				

		Aluminum All In One Coupler	
Part Number	Size	Description	
BTC-A1-3	3	3" A1 Solid Gasket - Cam Handle	
BTC-A1-3B	3	3" A1 Solid Gasket - Tee Handle	
BTC-A1-4	4	4" A1 Solid Gasket - Cam Handle	
BTC-A1-4B	4	4" A1 Solid Gasket - Tee Handle	
BTC-A1-4L	4	4" A1 Solid Gasket - Cam Handle & Landyard	
BTC-A1-4S	4	4" A1 Split Gasket - Cam Handle	
BTC-A1-4-BS	4	4" A1 Split Gasket - Tee Handle	SILVE E
BTC-A1-4SL	4	4" A1 Split Gasket - Cam Handle & Landyard	
BTC-A1-5	5	5" A1 Solid Gasket - Cam Handle	
BTC-A1-5B	5	5" A1 Solid Gasket - Tee Handle	

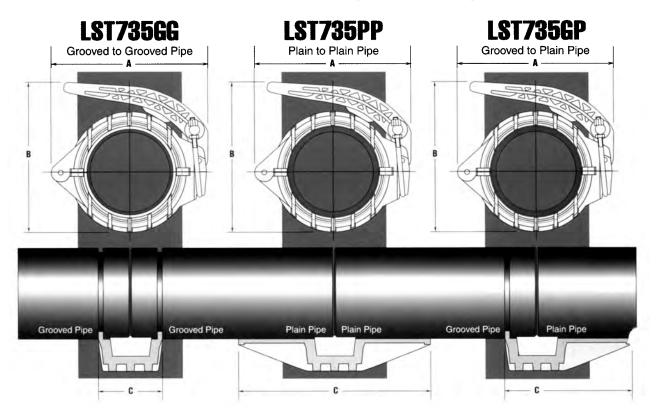
Groove to Groove Aluminum All In One Coupler							
Part Number	Size	Description					
BTC-GG-4	4	4"Groove to Groove Coupler - Cam Handle					
BTC-GG-4L	4	4" Groove to Groove Coupler - Cam Handle & Landyard					
BTC-PB-4	4	4" Groove to Groove Coupler - Tee Handle (Import)					
BTC-GG-6	6	6" Groove to Groove Coupler - Cam Handle					
BTC-GG-6L	6	6" Groove to Groove Coupler - Cam Handle & Landyard					

All In One Coupler Parts					
Part Number	Description				
BTC-A1-GSKT-3	3" A1 Solid Coupler Gasket				
BTC-A1-GSKT-4	4" A1 Solid Coupler Gasket				
BTC-A1-GSKT-4S	4" A1 Split Coupler Gasket				
BTC-GG-GSKT-4	4" Groove to Groove Coupler Gasket				
BTC-PB-GSKT	4" Groove to Groove Coupler Gasket (Tee Handle Import Only)				
BTC-A1-GSKT-5	5" A1 Solid Coupler Gasket				
BTC-GG-GSKT-6	6" Groove to Groove Coupler Gasket				
BTC-HANDLE-3F	3" A1 Cam Handle Assy				
BTC-HANDLE-4F	4" A1 Cam Handle Assy				
BTC-HANDLE-5F	5" A1 Cam Hanlde Assy				
BTC-A1-SCLIP	S-Clip For All In One Coupler				
BTC-BOLT-ASSM	4" A1 Bolt Tee Handle Assy				
	2.20				



Available in Three Styles

Sure Seal offers the new LST735 Coupler in three configurations.



Nom. Size	0.D.	Material	Part No.	Wt. Lbs.	А	В	С
4	4.500	Engineered Polymer & SS Hardware	735GG	1.6	7.900	7.250	2.000
4	4.500	Engineered Polymer & SS Hardware	735PP	1.8	7.900	7.250	4.000
4	4.500	Engineered Polymer & SS Hardware	735GP	1.9	7.900	7.250	3.000

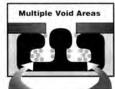
The Clean Seal System

GASKETS are easy to install and replace. White gaskets are special formulated for dry bulk applications where F.D.A. approval is required. Black gaskets are specially formulated for petroleum products, while red gaskets are for

CLEAN SEAL

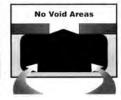
are specially formulated for petroleum products, while red gaskets are for high temp applications up to 400 degrees Fahrenheit.

Industry's Previous Design Gasket



Void areas in gasket create hiding spots for contamination. This makes cleaning hard to reach spots costly.

The Clean Seal Design Gasket

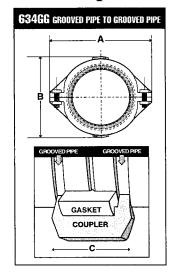


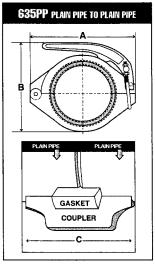
With no void areas in gasket there is no place for contamination to hide. A quick disassembly and visual inspection is all that is necessary.

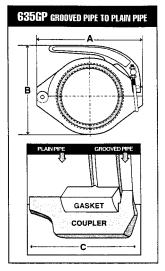




Superior Aluminum Pipe Couplers







632GG/635GG/637GG/639GG

GROOVED PIPE TO GROOVED PIPE

The aluminum quick couplers are furnished in different styles. The grooved pipe to grooved pipe coupler part numbers are 632GG, 634GG, 635GG, and 639GG. These couplers are superior to other couplers on the market today for the transportation industry. They are completely manufactured out of 713 aluminum and stainless steel for light weight and have SAE 841 oil impregnated bronze bushings in all pivot points. The couplers are corrosion resistant, they are adjustable, and are also easy to operate.

The part number 635GP is for grooved pipes or hopper tees to non grooved pipes. Most hopper tees have a groove on both ends, but most intermediate pipes do not

have a groove on both ends. The part number 635PP is for pipes or hopper tees without grooves on either pipe. These two couplings can be used in applications to replace the band style clamps. Most band clamps are rated at 10 psi, where the Sure Seal couplers are rated at 50 psi.

CLEAN SEAL GASKETS are easy to install and replace. White gaskets are special formulated for dry bulk applications where F.D.A. approval is required. Black gaskets are specially f petroleum products, while re for high temp applications up degrees Fahrenheit.

fo ec	rmulat I gaske to 400	ed for ts are	GROOVED PIPE CHOOVED PIPE
ij	mensio	пв	GASKET
0	B 5.190	C 1.75	COUPLER C
0	6.000	2.000	Note: 3", 5" & 6" are only
-			available in this style.
0	7.300	2.000	
0	7.300	3.000	
0	7.300	3.000	
0	8.100	2.000	

Descripti	Description, Part Numbers & Weight						Dimensions		
Pipe or	Tubing								
Nom. Size	O.D.	Material	Part No.	Wt. Lbs	A	В	С		
3	3.500	Aluminum Clamp & SS Hardware	632GG	1.75	5.150	5.190	1.75		
4	4.500	Aluminum Clamp & Bolts	634GG	2.4	7.900	6.000	2.000		
4	4.500	Aluminum Clamp & SS Hardware	635GG	2.6	7.900	7.300	2.000		
4	4.500	Aluminum Clamp & SS Hardware	635GP	2.8	7.900	7.300	3.000		
4	4.500	Aluminum Clamp & SS Hardware	635PP	2.8	7.900	7.300	3.000		
5	5.500	Aluminum Clamp & SS Hardware	637GG	3.5	9.200	8.100	2.000		
6	6.625	Aluminum Clamp & SS Hardware	639GG	4.0	10.30	9.200	2.00		

Superior Pipe Gaskets

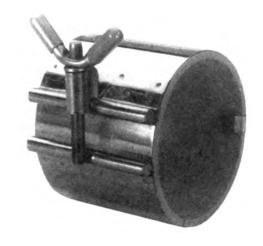
Part Number	Description	on
Superior Pipe Gask	cets	
650S	3"	White Gasket FDA
652S	3"	Black Gasket for Petro Service
655S	3"	Red Gasket High Temp
651S	4"	White Gasket FDA
654S	4"	Black Gasket for Petro Service
664S	4"	Red Gasket High Temp
653S	5"	White Gasket FDA
656S	5"	Black Gasket for Petro Service
667S	5"	Red Gasket High Temp
657S	6"	White Gasket FDA
658S	6"	Black Gasket for Petro Service
669S	6"	Red Gasket High Temp



Single Wingnut Coupler

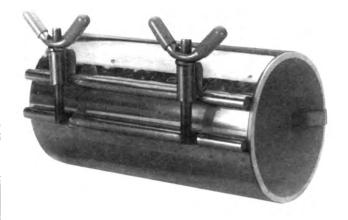
<u> </u>			· ouploi		-	
A O.D. Size	Code	Wt.	Std. Gum Gasket		Food Grade G	iasket
(in.)	No.	(lbs.)	Gripper PIC No.		PIC No.	
1.500	1501	0.58	2401501G2MB		2401501F2MB	
1.660	1661	0.60	2401661G2MB		2401661F2MB	
1.750	1751	0.62	2401751G2MB		2401751F2MB	
1.900	1901	0.65	2401901G2MB		2401901F2MB	
2.000	2001	0.68	2402001G2FGMB		2402001F2FGMB	
2.125	2121	0.70	2402121G2MB		2402121F2MB	
2.250	2251	0.71	2402251G2MB		2402251F2MB	
2.375	2371	0.74	2402371G2MB		2402371F2MB	
2.500	2501	0.77	2402501G2FGMB		2402501F2FGMB	
2.750	2751	0.80	2402751G2MB	_	2402751F2MB	
2.875	2871	0.84	2402871G2MB		2402871F2MB	
3.000	3001	0.88	2403001G2FGMB		2403001F2FGMB	
3.250	3251	0.97	2403251G2MB		2403251F2MB	
3.500	3501	1.06	2403501G2FGMB		2403501F2FGMB	
3.750	3751	1.15	2403751G2MB		2403751F2MB	
4.000	4001	1.25	2404001G2FGMB		2404001F2FGMB	
4.250	4251	1.32	2404251G2MB		2404251F2MB	
4.500	4501	1.40	2404501G2FGMB		2404501F2FGMB	
5.000	5001	1.55	2405001G2FGMB		2405001F2FGMB	
5.563	5561	1.63	2405561G2MB		2405561F2MB	
6.000	6001	1.72	2406001G2FGMB		2406001F2FGMB	
6.250	6251	1.78	2406251G2MB		2406251F2MB	
6.625	6621	1.82	2406621G2MB		2406621F2MB	
8.000	8001	2.25	2408001G2FGMB		2408001F2FGMB	
8.625	8621	2.38	2408621G2MB		2408621F2MB	
9.000	9001	2.45	2409001G2MB		2409001F2MB	
10.000	10001	2.65	2410001G2MB		2410001F2MB	

The GRIPPER was devised as a quick coupler for dry bulk transport tank tubing. This unique coupling just slides onto the tubing or wraps around it and is tightened by hand in seconds, but it provides better support than rubber hose and band clamps. The GRIPPER's positive-sealing gum gaskets allow for tube and pipe variations. And because it's made of 100% stainless steel, it will not corrode due to harsh weather or road conditions. Silicone gaskets that comply with applicable FDA requirements are available upon request.



Double Wingnut Coupler

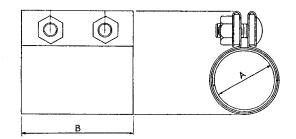
В						
O.D.		Std. Gum Gasket		Food Grade Gasket		
Size (in.)	Code No.	Gripper PIC No.	Gripper PIC No.			
4.000	2-4001	2804002G2MB		2804002F2MB		
4.500	2-4501	2804502G2MB		2804502F2MB		
5.000	2-5001	2805002G2MB		2805002F2MB		
6.000	2-6001	2806002G2MB		2806002F2MB		
6.625	2-6621	2806622G2MB		2806622F2MB		
8.000	2-8001	2808002G2MB		2808002F2MB		
8.625	2-8621	2808622G2MB		2808622F2MB		
10.000	2-10001	2810002G2MB		2810002F2MB		
10.750	2-10751	2810752G2MB		2810752F2MB		
12.000	2-12001	2812002G2MB		2812002F2MB		
12.750	2-12751	2812752G2MB		2812752F2MB		





Compression Couplings For Tubing And Pipe





The Morris Compression tubing and pipe coupling is designed for permanent installation in the joining of either plain end, threaded, grooved or a combination of any of these joints. The band type construction holds the entire surface of the joint in uniform compression.

Couplings are made of heavy gauge zinc plated steel ... prices of aluminum or stainless steel couplings quoted on request.

Gaskets furnished standard in red rubber or black neoprene ... please specify. Gaskets also available in white neoprene and a variety of other materials at a slight extra charge.

Condensed Table Of Specifications

	Thickness					
SIZE	Shell	Sleeve	Gasket			
1/2" - 2-7/8" OD	.052	.052	.062			
3" OD	.052	.052	.093			
3-1/4" - 5" OD	.062	.052	.093			
5-1/4" - 8-5/8" OD	.062	.052	.125			
9" - 24" OD	.062	.062	.125			

Tubing or	O.D. Tubing	Morris	Coupling	No.	Size	Weight			
Nom. Pipe (IPS)	Pipe	Coupling	Length	of	of	Each	Black Gasket*	White Gasket*	
Size	(A)	Code	(B)	Bolts	Bolts	(lbs.)	PIC No.	PIC No.	
2" TUBING	2.000	2-2C-OD	4"	2	1/2 x 1-3/4	2.1	0102002B2FG	0102002W2FG	
	2.000	2-3C-OD	6*	3	1/2 x 1-3/4	3.1	0102003B2FG	0102003W2FG	
2" PIPE	2.375	2-2C	4"	2	1/2 x 1-3/4	2.2	0102372B2FG	0102372W2	
	2.375	2-3C	6"	3	1/2 x 1-3/4	3.5	0102373B2FG	0102373W2FG	
	2.375	2-4C	8"	4	1/2 x 1-3/4	4.7	0102374B2	0102374W2	
2-1/8" TUBING	2.125	2-1/8-2C-OD	4"	2	1/2 x 1-3/4	2.1	0102122B2	0102122W2	
	2.125	2-1/8-3C-OD	6"	3	1/2 x 1-3/4	3.2	0102123B2FG	0102123W2FG	
2-3/16" TUBING	2.187	2-3/16-2C-OD	4"	2	1/2 x 1-3/4	2.2	0102182B2FG	0102182W2FG	
	2.187	2-3/16-3C-OD	6"	3	1/2 x 1-3/4	3.3	0102183B2FG	0102183W2	
2-1/4" TUBING	2.250	2-1/4-2C-OD	4"	2	1/2 x 1-3/4	2.2	0102252B2	0102252W2	
	2.250	2-1/4-3C-OD	6"	3	1/2 x 1-3/4	3,3	0102253B2FG	0102253W2FG	
2-1/2" TUBING	2.500	2-1/2-2C-OD	4"	2	1/2 x 1-3/4	2.6	0102502B2FG	0102502W2FG	
	2.500	2-1/2-3C-OD	6"	3	1/2 x 1-3/4	3.4	0102503B2FG	0102503W2FG	
2-1/2" PIPE	2.875	2-1/2-2C	4"	2	1/2 x 1-3/4	2.4	0102872B2	0102872W2	
	2.875	2-1/2-3C	6"	3	1/2 x 1-3/4	3.7	0102873B2	0102873W2	
	2.875	2-1/2-4C	8"	4	1/2 x 1-3/4	5.0	0102874B2	0102874W2	
2-3/4" TUBING	2.750	2-3/4-3C-OD	6"	3	1/2 x 1-3/4	3.6	0102753B2	0102753W2	
3" TUBING	3.000	3-2C-OD	4"	2	5/8 x 2	3.2	0103002B2FG	0103002W2FG	
	3.000	3-3C-OD	6"	3	5/8 x 2	4.5	0103003B2FG	0103003W2FG	
	3.000	3-4C-OD	8"	4	5/8 x 2	5.9	0103004B2FG	0103004W2	
3" PIPE	3.500	3-2C	4"	2	5/8 x 2	3.4	0103502B2FG	0103502W2	
	3.500	3-3C	6"	3	5/8 x 2	5.1	0103503B2FG	0103503W2FG	
	3.500	3-4C	8"	4	5/8 x 2	6.6	0103504B2FG	0103504W2FG	
3-1/4" TUBING	3.250	3-1/4-2C-OD	4"	2	5/8 x 2	3.5	0103252B2	0103252W2	
	3.250	3-1/4-3C-OD	6"	3	5/8 x 2	5.0	0103253B2	0103253W2	
	3.250	3-1/4-4C-OD	8"	4	5/8 x 2	6.5	0103254B2	0103254W2	
3-1/2" TUBING	3,500	3-2C	4"	2	5/8 x 2	3.4	0103502B2FG	0103502W2	
	3.500	3-3C	6"	3	5/8 x 2	5.1	0103503B2FG	0103503W2FG	
	3.500	3-4C	8"	4	5/8 x 2	6.6	0103504B2FG	0103504W2FG	
3-1/2" PIPE	4.000	3-1/2-2C	4"	2	5/8 x 2	3.7	0104002B2FG	0104002W2	
3-1/2" PIPE	4.000	3-1/2-2C 3-1/2-3C	6"	3	5/8 x 2	5.3	0104003B2FG	0104003W2FG	
	4.000	3-1/2-3C 3-1/2-4C	8"	4	5/8 x 2	7.2	0104004B2FG	0104004W2FG	
3-3/4" TUBING	3.750	3-3/4-3C-OD	6"	3	5/8 x 2	5.6	0103753B2	0103753W2	
3-3/4 TUDING	3.750	3-3/4-3C-OD	8"	4	5/8 x 2	7.4	0103754B2	0103754W2	
4" TUBING	4.000	3-1/2-2C	4"	2	5/8 x 2	3.7	0104002B2FG	0104002W2	
4 IUDING	4.000	3-1/2-2C 3-1/2-3C	6"	3	5/8 x 2	5.3	0104003B2FG	0104003W2FG	
	4.000	3-1/2-4C	8"	4	5/8 x 2	7.2	0104004B2FG	0104004W2FG	
4" PIPE	4.500	4-2C	4"	2	5/8 x 2	3.8	0104502B2FG	0104502W2	
4 FIFE	4.500	4-2C 4-3C	6"	3	5/8 x 2	5.5	0104503B2FG	0104503W2FG	
	4.500	4-3C 4-4C	8"	4	5/8 x 2	7.7	0104504B2FG	0104504W2FG	
4-1/4" TUBING	4.250	4-1/4-3C-OD	6"	3	5/8 x 2	5.5	0104253B2	0104253W2	
4-1/4 LODING	4.250	4-1/4-3C-OD 4-1/4-4C-OD	8"	4	5/8 x 2	7.0	0104254B2	0104254W2	
4-1/2" TUBING	4.500	4-1/4-4C-OD	4"	2	5/8 x 2	3.8	0104502B2FG	0104502W2	
4-1/2 TODING	4.500	4-2C 4-3C	6"	3	5/8 x 2	5.5	0104503B2FG	0104503W2FG	
	4.500	4-3C 4-4C	8"	4	5/8 x 2	7.7	0104504B2FG	0104504W2FG	
4-1/2" PIPE	5.000	4-4C 4-1/2-2C	4"	2	5/8 x 2	4.2	0105002B2FG	0105002W2	
4-1/2 FIFE	5.000	4-1/2-2C 4-1/2-3C	6"	3	5/8 x 2	6.2	0105002B2FG	0105002W2FG	
	5.000	4-1/2-3C 4-1/2-4C	8"	4	5/8 x 2	8.1	0105003B2FG	0105004W2FG	

PNEUMATIC HOSE & ACCESSORIES

Type 120° Dry Cement Part # -- 120HD4

The black SBR/NR tube is lightweight and flexible for unloading dry bulk cement from trailers. Two ply cord fabric reinforces tube. Cover is 1/16 black SBR and provides excellent abrasion resistance. Hose features collapsible construction.

Tube: SBR/NR, static conductive. Black.

Reinforcement: Two plies of cord fabric.

SBR. Black. Cover: Couplings: Quick-acting, com-

bination nipples. 100 ft.

Length: Temp. Range: -40°F to +150°F



I.D. (in.)	Tube Thick. (in.)	O.D. (in.)	W.P. (PSI)	Plies	Weight (Lbs./Ft.)
4	1/8	49/16	50	2	1.9
4	3/16	45/8	50	2	2.1

Hot Air Blower

A lightweight, flexible hose for transferring hot air to tanks on dry bulk material trucks. EPDM tube resists high heat conditions developed by the blower. Can withstand temperatures up to 350°F intermittent, 300°F constant. Tube is reinforced with high tensile cord interwoven with spirals of steel wire and textile. EPDM cover resists heat, weather and ozone.

Part # -- HA3

Tube: EPDM. Black. Reinforcement: Spiral steel wire

helix between synthetic textile plies.

Cover: EPDM. Black. Couplings: Quick-acting.

Length: 100 ft.

Temp. Range: -30°F to +350°F



1.D. (in.)	0.D. (in.)	Plies	MBR (in.)	Weight (Lbs./Ft.)
3	311/16	2	15	2.0
4	411/16	2	18	2.8

Aeration Hose

1" -- AH1 1 1/2"-- AH112 2" -- AH2



4 1/2" I.D. Coupler Hose

Part # SS135-4500



Clamps

#20 Clamp (1" Hose) -- 62013 #28 Clamp (1 1/2" Hose) -- 62015 #36 Clamp (2" Hose) -- 62017

#72 Clamp (4 1/2" Hose) -- 62055

Part # 030DRY (Dry) or Part # S215L-404C (Liquid Filled)



- 4" Dial Size
- Liquid filled
- 316 S/S Body
- Phospher Bronze Bourdon Tube
- Solid Brass Movement
- Acrylic Window

Part # 1008AL



- 41/2" Dial Size
- Die Cast Aluminum Body
- Phospher Bronze Bourdon Tube
- Solid Brass Movement
- Acrylic Window
- Throttle Plug (standard)

3-45

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Digital Gauge

Ordering Specifications

12634 Digital Pressure Gauge

Features and Benefits

- · Accuracy rating to 1/10 pound
- Bright LED display
- Visible from the entire length of the tractor and trailer
- Visible alert indicator flashes when a 3 PSIG differential is exceeded
- · Aluminum Housing
- Accurate and reliable compared to standard gauges and will not be affected by ambient temperature changes, humidity or vibration



SP4N





0-30 Liquid Filled Heil/Span Gauge #9328-0133 - Back Mount/Back Connection #9328-0006 - Back Mount/Bottom Connection