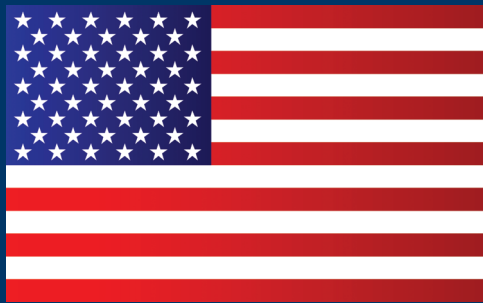


2026 Dry Bulk Catalog



110 YEARS OF UNCOMMON EXCELLENCE®



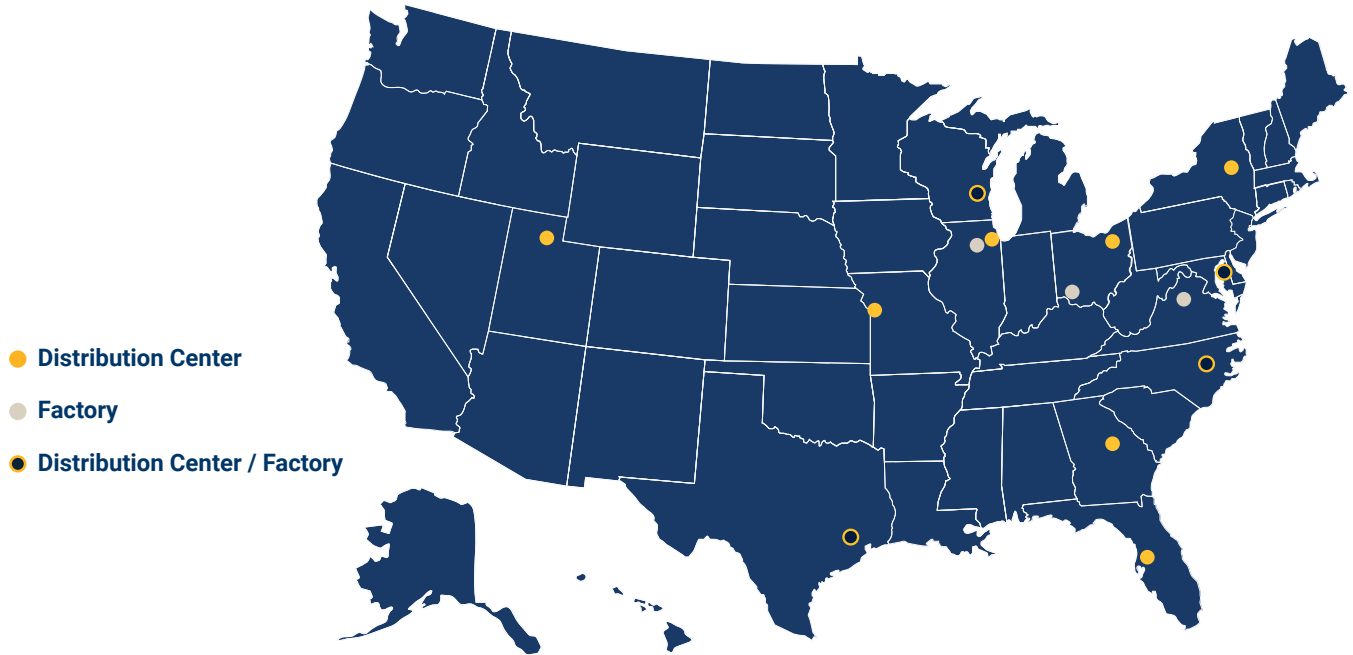
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Value Proposition



SERVICE

As a trusted global partner, Dixon® provides responsive service with a commitment to quality and customer service that supports our customers before, during, and after the sale.



QUALITY MANUFACTURING

We provide innovative manufacturing that continues to build the Dixon brand recognized by our customers as “The Quality Line”.



PRODUCT OFFERINGS

With a global sourcing network supported by strategically located warehouses, we can help our customers stay connected and competitive – anywhere in the world.

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Theory of Operation

All Dixon Bayco® air relief valves are spring-loaded system-pressure actuated devices consisting of a valve disc held in a closed position against a valve seat by means of a spring. The pressure in the system to be protected acts on the valve disc and tends to open the valve; however, the spring load is set to ensure that at normal operating pressures, the pressure in the system is insufficient to open the valve. However, when the system pressure builds to a level where the pressure load on the valve disc is equal or near to the load exerted by the spring, the valve will begin to open. If the pressure in the system were to be held at this level, the load due to system pressure and the spring load would remain in equilibrium and the valve would be neither opened nor closed. In such circumstances the valve will tend to flutter on the valve seat and may release a small amount of air but will not be relieving significant pressure from the system. This point is known as the warning pressure, cracking pressure, or hissing pressure.

If the pressure in the system continues to rise, the load acting on the face of the valve will also rise and will begin to exceed the load exerted by the spring. When the load due to system pressure exceeds the spring load, the valve will open and will remain open as long as the system pressure remains sufficient. This point is known as the opening pressure or set pressure (also referred to as rated or popping pressure). The difference between the crack pressure and opening pressure varies between valves and is related to the system flow rate. However, the two should not be confused as there is a significant difference in pressure between the two points.

If the system pressure continues to rise, the valve will continue to open and will relieve more and more air until the valve is fully open. At this point the valve will be relieving close to its maximum airflow rate; further increase in system pressure will show only relatively minor increases in flow rate. If the system pressure decreases, the relieving airflow rate will reduce and the valve will start to close. However, the valve will not fully re-seat until the pressure is below the opening pressure. This pressure is known as the Reseating Pressure and the difference between the two pressures is known as "blowdown".

In practice the valve should be matched to the system to be protected such that the maximum airflow rate of the valve is never utilized, i.e. the valve should be capable of relieving a sufficient volume flow rate of air at the opening pressure to ensure that the system pressure drops significantly. If the valve is open and the system pressure continues to rise above the opening pressure then the valve is relieving less air than is being put into the system. This is a potentially dangerous situation that may lead to over pressurization. The relieving airflow rate of an air relief valve at the maximum allowable system pressure, and ideally at the opening pressure, should be well in excess of the system input flow rate at that same pressure.

Periodic Inspection, Cleaning, and Maintenance

Dixon Bayco air relief valves are designed and built to provide accurate and consistent operation; however, periodic inspection, cleaning, and maintenance of these valves is required to ensure continued trouble-free service.

Dixon Bayco air relief valves consist of a spring-loaded poppet valve that seals against a rigid annular valve seat. When the system pressure reaches the valve opening pressure, the poppet lifts and system air passes under the poppet and out to the atmosphere. When a sufficient volume of air has been relieved, the system pressure will drop and the poppet will re-seat.

When these valves are used in applications that subject them to particulate laden air, there is potential for contamination of the valve. Larger particles such as grains, plastic pellets etc. can get trapped between the valve seating surfaces. Applications involving fine particles such as cement, fly ash, lime, flour etc. can result in a cementing of hardened product on the valve seat or poppet surface. These situations can prevent the valve from fully re-seating, prevent it from opening, and can lead to early opening or leakage from the valve.

To prevent this from occurring we advise that air/vacuum relief valves be regularly inspected, cleaned and maintained. At a minimum, the valve seat and poppet sealing surface should be inspected and cleaned, and the small air vent hole in the top casting checked for blockage. The inspection, cleaning, and maintenance should be carried out with the valve removed from the system, and in a clean environment.

All relief valves are available with threaded connections. In addition, 2180, A2180, and A2182-series air relief valves are available with cam & groove adapters or grooved pipe connections. These types of connections make removal and installation of the valves much easier to allow for inspections, cleaning, and maintenance.



Before servicing or removing any component from the pneumatic system, the blower must be turned off and all residual air released from the system.

Dry Bulk Systems with Applicable Trailer Fitting Checklist

System	Fitting Type	Purpose
Discharge & Piping Fittings	Butterfly Valves & Accessories	Regulates the flow of dry material out of the hopper into the discharge line. Stem extensions and offset handle are available. This is the most common valve type used to open and close the hoppers (bottom drop doors) and control the flow of product into the discharge.
	Hopper Tees & Drop Tees	Diverts or combines the flow of product (straight, reducing, or 45° tees).
	Couplings & Adapters	Used to attach delivery hoses to the trailer. Includes Cam & Groove fittings (AL or Stainless Steel), TTMA flanges, and Threaded fittings.
	Victaulic Couplings	Grooved mechanical couplings used to secure rigid sections of metal piping, drop tees, and valves together while allowing for slight flexibility and quickness.
	King Combination Nipples	Hose shanks utilized to connect rubber or composite transfer hoses.
Pressure & Safety Fittings	Pressure Relief Valves / Pop-offs	Protects the trailer from over-pressurization during unloading.
	Vacuum Relief Valves	Prevents the tank from imploding during pneumatic clean out or vacuum operations.
	Pressure Gauges	Monitors the PSI in the system to ensure it stays within safe operating limits.
Aeration System Fittings	Aeration Nozzles / Fluidizers	Fittings installed at the bottom of each hopper that introduce compressed air into the product, “fluidizing” it so it flows like liquid out of the trailer.
	Check Valves	Prevents back flow of material into the blower or air lines.
	Manifolds	Distributes pressurized air from the blower to different hopper aeration zones. Our partner, Betts®, manufactures the manifolds.
	Ball Valves	Small manually operated valves (e.g. 1/4” to 2” NPT) used for blow down or gauge lines.
	Pneumatic Filtration Systems - Pneuclean™	Designed to remove microscopic particles generated by blowers during pneumatic conveying of contaminant-sensitive dry bulk products.
Seals and Pipe Clamps	Seals & Pipe Clamps	Vital for sealing Cam locks, Victaulic clamps, and TTMA flanges to ensure no pressurized air or product leaks out. They are often made of nitrile rubber, white FDA rubber, or silicone for high-temperature environments.
	Check Valves	Typically used on dry bulk cargo tank pipe connections. Numerous styles are offered: AL Bolt Clamps, AL Quick Connect Clamps, and Pipe Band Clamps.
Seals and Pipe Clamps	Dome Lids / Manhole Covers	Bolted or quick opening assemblies on the top of the tank to allow bulk loading. Our partner, Betts, manufactures the manhole covers.
	Replacement Gaskets	Replacement gaskets for dome lids, butterfly valves, and piping joints to prevent material leakage and pressure loss.
	Replacement Tube Doors	A hinged tube door that is welded on the open end of the storage tube to secure and protect the hoses.

Dry Bulk Systems with Applicable Fittings

Dixon Bayco® brand dry bulk products are designed for use with bulk trailers and truck blowers for the pneumatic transfer of dry bulk commodities such as powders, grains, and plastic pellets. Other industrial applications are possible where pneumatic control of air or dry products is required.



Blower Air Relief Valves

Applications

- Designed specifically for use on tractor mounted air blowers. The 2182-series air relief valves have a temperature compensated pressure relief setting to accommodate the high temperatures and dynamic air produced by the blower. If a system blockage occurs, the valves are designed to vent to atmosphere once the valve pressure setting is reached.

Features

- The most common pressure setting for truck mounted blowers is **20 PSI**. Valves are available for other applications with temperature compensated pressure settings between **5 PSI** and **25 PSI**. Customer should request set pressure at time of order
- High relieving capacity varies between 800 SCFM and 1700 SCFM depending upon the chosen set pressure; for specific relief rates please refer to our graphs on pages 8 and 9 or contact Dixon® at 513.874.8499
- Installed cup seal deters tampering
- Anodized AL body reduces thread galling

Materials

- AL anodized hard coat body, white food grade silicone poppet and diaphragm

Specifications

- Set pressure calibrated at a temperature of **400°F (204°C)**
- Available in 2" male NPT, 2" female NPT, and 2" cam & groove adapter
- Tolerances: -0/+4



2182F



2182B



2182

Part #	Connection
2182/15	2" NPT male air relief valve, 15 PSI setting
2182/18	2" NPT male air relief valve, 18 PSI setting
2182/20	2" NPT male air relief valve, 20 PSI setting
2182/XX	2" NPT male air relief valve set to your custom setting from 5 PSI to 25 PSI
2182F/15	2" NPT female air relief valve, 15 PSI
2182F/18	2" NPT female air relief valve, 18 PSI
2182F/20	2" NPT female air relief valve, 20 PSI
2182F/XX	2" NPT female air relief valve set to your custom setting from 5 PSI to 25 PSI
2182B/15	2" air relief with 2" cam & groove adapter bottom, 15 PSI setting
2182B/18	2" air relief with 2" cam & groove adapter bottom, 18 PSI setting
2182B/20	2" air relief with 2" cam & groove adapter bottom, 20 PSI setting
2182B/XX	2" air relief with 2" cam & groove adapter bottom set to your custom setting from 5 PSI to 25 PSI

NOTE: Available factory set pressure ranges offered from **5 PSI** to **25 PSI**

The XX in the part number reflects the pressure setting you are requesting the factory to set the air relief valve to.

Trailer Relief Valves

Applications

- Designed specifically for fixed pressure setting use on trailer tanks containing dry bulk products. If a system blockage occurs the valves are designed to vent to atmosphere once the valve pressure setting is reached. Not intended for blower service (for blower service applications see the 2182-series air relief valves shown on page 5).

Features

- Available with a variety of pressure settings, see chart below for model specific available pressure settings. Customer should request set pressure at time of order.
- Installed cup seal deters tampering
- Bayloy body helps prevent thread galling
- PVC coated wire lanyard available for securing air relief valves with cam & groove adapter or grooved pipe connections

Materials

- Bayloy vent cowl with AL upper, bronze poppet with white food grade silicone diaphragm in the 2180, red silicone diaphragm in the 3180

Specifications

- 2180 are available with 2" female NPT, cam & groove adapter, or grooved pipe connections
- 3180 are available only with 3" female NPT connections
- 2180-series tolerances: -0/+3



2180



2180B/15



2180V/15



3180

Valve Series	Valve Connection	Diaphragm Material	Relieving Capacity (SCFM)
2180/15	2" NPT female air relief valve, 15 PSI setting	white food grade silicone	500-950
2180/18	2" NPT female air relief valve, 18 PSI setting		
2180/20	2" NPT female air relief valve, 20 PSI setting		
2180/XX	2" NPT female air relief valve set to your custom setting from 5 PSI to 25 PSI		
2180B/15	2" air relief with 2" cam & groove adapter bottom, 15 PSI setting		
2180B/18	2" air relief with 2" cam & groove adapter bottom, 18 PSI setting		
2180B/20	2" air relief with 2" cam & groove adapter bottom, 20 PSI setting		
2180B/XX	2" air relief with 2" cam & groove adapter bottom set to your custom setting from 5 PSI to 25 PSI		
2180V/15	2" air relief with 2" grooved bottom, 15 PSI setting		
2180V/18	2" air relief with 2" grooved bottom, 18 PSI setting		
2180V/20	2" air relief with 2" grooved bottom, 20 PSI setting		
2180V/XX	2" air relief with 2" grooved bottom set to your custom setting from 5 PSI to 25 PSI		
3180/15	3" NPT female air relief valve, 15 PSI setting	red silicone	750-1500
3180/18	3" NPT female air relief valve, 18 PSI setting		
3180/20	3" NPT female air relief valve, 20 PSI setting		
3180/XX	3" NPT female air relief valve set to your custom setting from 5 PSI to 25 PSI		

NOTE: 2180 series available factory set pressure ranges offered from **5 PSI to 25 PSI**

3180 series available factory set pressure ranges offered from **5 PSI to 30 PSI**

The XX in the part number reflects the pressure setting you are requesting the factory to set the air relief valve to.

Relieving capacity (SCFM) varies with set pressure, for specific rates please contact Dixon® at 513.874.8499

PVC Coated Lanyards



CAL15

Application

- The PVC lanyard is used to help secure cam & groove pressure relief valves

Part #	Description
CAL15	15" long PVC coated carbon steel cable, with AL crimp sleeves. One end is factory crimped, other end is un-crimped for field inspection.
CAL25	25" long PVC coated carbon steel cable, with AL crimp sleeves. One end is factory crimped, other end is un-crimped for field inspection.

Product instruction sheets and technical data, can be viewed at dixonvalve.com

Trailer/Tank Mounted Adjustable Air Relief Valves

Applications

- Designed specifically for use on trailer tanks containing dry bulk products. If a system blockage occurs, the valves are designed to vent the atmosphere once the valve pressure setting is reached. The advantage of the adjustable air relief valve is that the factory preset pressure can be tuned by **-3/+3 PSI** to meet tank/application specific pressure requirements (adjustments should be performed by either the tank builder or tank maintenance facility)
- Not intended for blower service (for blower service applications see the 2182-series air relief valves shown on page 5)
- Not rated for ASME Coded Service Requirements



Features

- Available with a variety of pressure settings, see chart below for model specific available pressure settings. Customer should request set pressure at time of order
- Factory preset pressure can be tuned by **-3/+3 PSI** to meet tank/application specific pressure requirements (adjustments should be performed by either the tank builder or tank maintenance facility)
- Installed cup seal deters tampering
- Bayloy body helps prevent thread galling

Materials

- Bayloy vent cowl with AL upper, bronze poppet with white food grade silicone in the 2180, red silicone in the 3180-series

Specifications

- Valves have a -0/+1 set pressure tolerance (valve opens at set pressure plus **1 PSI**) and are adjustable by **-3/+3 PSI**
- A2180ADJ has a 2" female NPT and A3180ADJ has a 3" female NPT connection



A2180-XXADJ



A3180-XXADJ

Valve Series	Valve Connection	Diaphragm Material	Relieving Capacity (SCFM)
A2180/15ADJ	2" NPT female adjustable air relief valve, 15 PSI setting	white food grade silicone	500-950
A2180/18ADJ	2" NPT female adjustable air relief valve, 18 PSI setting		
A2180/20ADJ	2" NPT female adjustable air relief valve, 20 PSI setting		
A2180/XXADJ	2" NPT female adjustable air relief valve set to your custom setting from 6 PSI to 30 PSI		
A3180/15ADJ	3" NPT female adjustable air relief valve, 15 PSI setting	red silicone	750-1500
A3180/18ADJ	3" NPT female adjustable air relief valve, 18 PSI setting		
A3180/20ADJ	3" NPT female adjustable air relief valve, 20 PSI setting		
A3180/XXADJ	3" NPT female adjustable air relief valve set to your custom setting from 6 PSI to 30 PSI		

NOTE: A2180 adjustable series available factory set pressure ranges offered from **6 PSI** to **30 PSI**

A3180 adjustable series available factory set pressure ranges offered from **6 PSI** to **30 PSI**

The XX in the part number reflects the pressure setting you are requesting the factory to set the air relief valve to

Relieving capacity (SCFM) varies with set pressure, for specific rates please contact Dixon® at 513.874.8499

Boss-Lock Coupler x Tube with 45° Cut

Application

- For use on trailer relief valves

Features

- Butt weld tubing
- Nitrile rubber gaskets standard, other gaskets available
- All Boss-Lock couplers are supplied with pull-ring safety clips

Material

- 356T6 AL



Part #	Description
AC200TUBE	2" Boss-Lock coupler x tube with 45° cut

Product instruction sheets and technical data can be viewed at dixonvalve.com

Vacuum Relief Valves

Applications

- Designed specifically for use on trailer tanks containing dry bulk products. If a system blockage occurs the valve is designed to open to atmosphere to help prevent the tank from imploding.

Features

- Available with a variety of vacuum settings, see chart below for model specific available pressure settings. Customer should request set pressure at time of order.
- Installed bolt seal deters tampering
- Bayloy body helps prevent thread galling

Materials

- Bayloy body and bronze poppet

Specifications

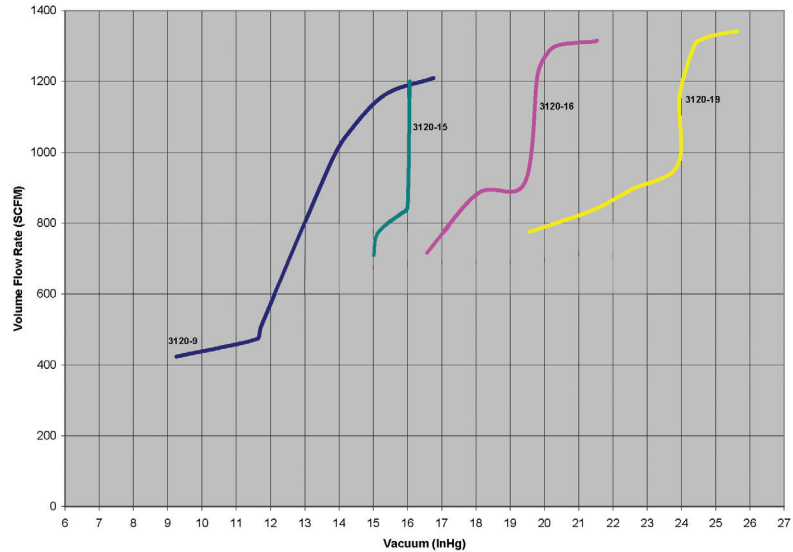
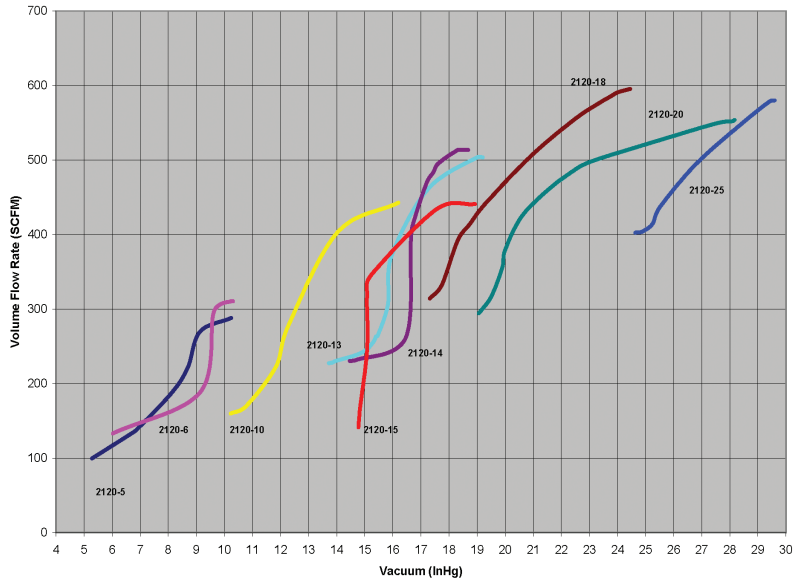
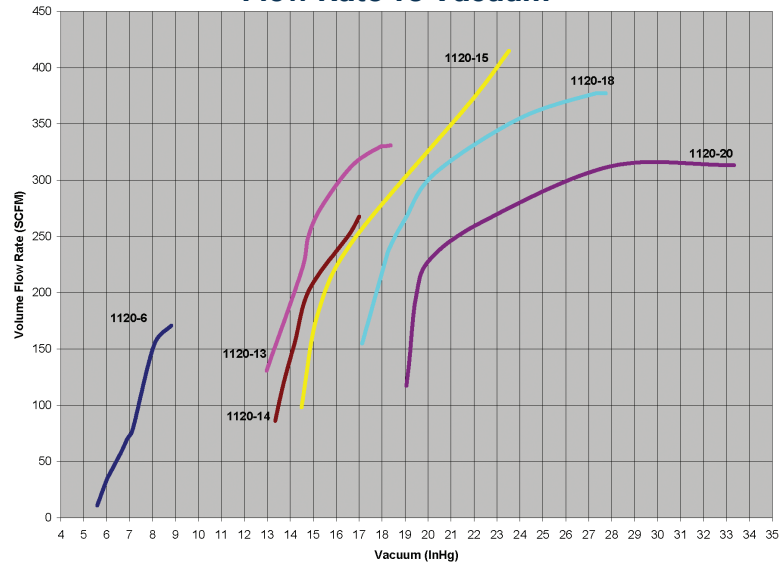
- These valves come with a set vacuum tolerance of +/-0.5 HG, available in 3 body sizes:
 - 1-1/2" female NPT outlet (tank connection) x 1-1/2" male NPT inlet (atmosphere)
 - 2" male NPT inlet (atmosphere) x 2" female NPT outlet (tank connection)
 - 3" female NPT outlet (tank connection) x 3" female NPT inlet (atmosphere)



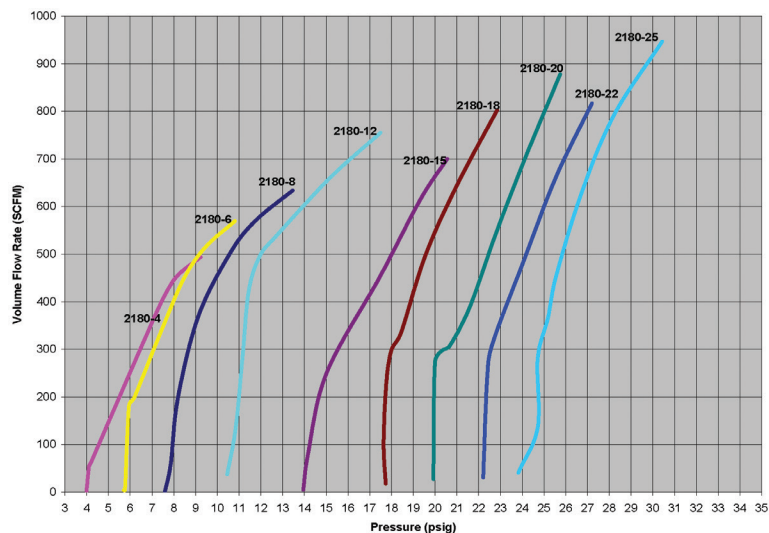
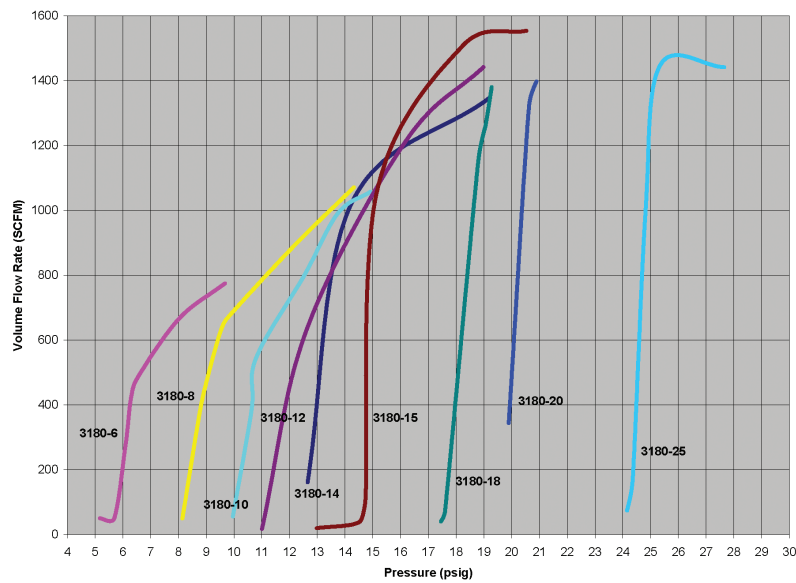
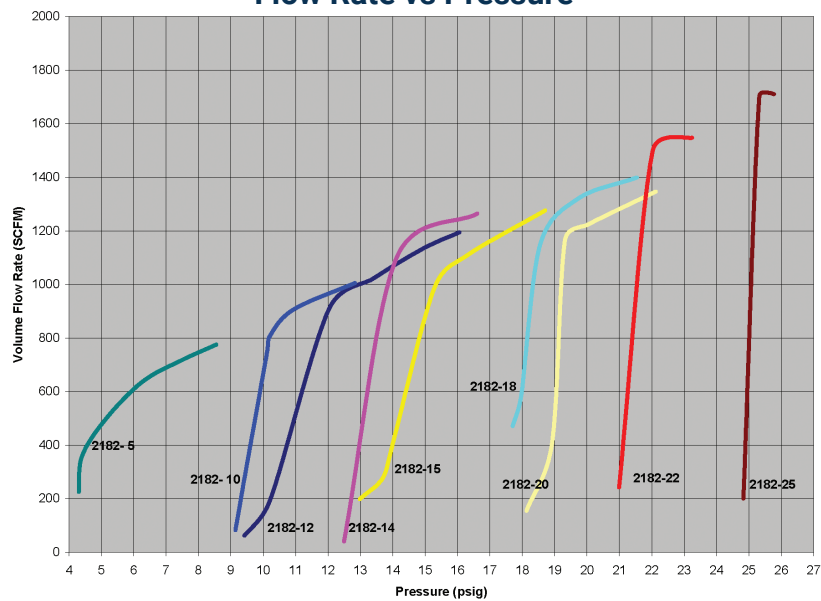
Valve Series	Valve Outlet (Tank Connection)	Valve Inlet (Atmosphere Connection)	Relieving Capacity (SCFM)
1120/15	1-1/2" NPT female vacuum relief valve, 15 Hg	1-1/2" male NPT	175-420
1120/18	1-1/2" NPT female vacuum relief valve, 18 Hg		
1120/20	1-1/2" NPT female vacuum relief valve, 20 Hg		
1120/XX	1-1/2" female NPT vacuum relief valve set to your custom setting 6 Hg to 24 Hg		
2120/15	2" NPT female vacuum relief valve, 15 Hg	2" male NPT	280-600
2120/18	2" NPT female vacuum relief valve, 18 Hg		
2120/20	2" NPT female vacuum relief valve, 20 Hg		
2120/XX	2" female NPT vacuum relief valve set to your custom setting 5 Hg to 24 Hg		
3120/15	3" NPT female vacuum relief valve, 15 Hg	3" female NPT	700-1350
3120/18	3" NPT female vacuum relief valve, 18 Hg		
3120/20	3" NPT female vacuum relief valve, 20 Hg		
3120/XX	3" female NPT vacuum relief valve set to your custom setting 11 Hg to 25 Hg		
3120ADJ/XX	3" female NPT adjustable vacuum relief valve set to your custom setting 14 Hg to 22 Hg		

NOTE: 1120 series set pressure tolerance (PSI) +/-1.5 Hg - factory set vacuum ranges offered from 6 Hg to 24 Hg
 2120 series set pressure tolerance (PSI) +/-1.5 Hg - factory set vacuum ranges offered from 5 Hg to 24 Hg
 3120 series set pressure tolerance (PSI) +/-1.5 Hg adjustable series available factory set pressure ranges offered from 14 Hg to 22 Hg
 The XX in the part number reflects the vacuum setting you are requesting the factory to set the valve to.
 Relieving capacity (SCFM) varies with set pressure, for specific rates please contact Dixon® at 513.874.8499.

Air Relief Valves Flow Rate vs Vacuum



Air Relief Valves
Flow Rate vs Pressure



Swing Check/Air Relief Manifold

Applications

- Designed specifically for use on tractor mounted air blowers and to replace the multiple pipe connections typically used to connect the blower to a swing check and air relief valve

Features

- Compact unit includes high flow swing check, port for air relief valve, and inlet/outlet ports
- Fastens directly to blower using available TTMA thread adapters
- 2" FNPT port for air relief valve
- Interchangeable inlet/outlet ports in 3" and 4" cam & groove and 4" female NPT

Materials

- AL body, silicone flapper, and lid seal good up to **400°F (204°C)**, stainless hardware

Specifications

- Manufactured with a 4" TTMA flange connection for fastening directly to the blower
- All white EPDM and silicone seals are FDA compliant



3090MADC-82/18



3090MA

Part #	Description	Manifold Outlet Connection	Overall Length	Weight
3090F	swing check manifold with white silicone spring loaded flapper	4" female NPT	11-1/2"	8.7
3090M		not included	9-5/8"	6.2
3090MS	swing check manifold with white silicone spring loaded flapper and security seal	not included	9-5/8"	6.6
3090MA	swing check manifold with white silicone spring loaded flapper	3" cam & groove adapter	12-1/2"	7.5
3090MA-DC	swing check manifold with white silicone spring loaded flapper with dust cap and chain	3" cam & groove adapter	14-1/2"	8.6
3090MADC-82/18	swing check manifold with white silicone spring loaded flapper with dust cap and chain, with 2182/18 air relief valve	3" cam & groove adapter	20-1/16'	16.45
3090MADC-82/20	swing check manifold with white silicone spring loaded flapper with dust cap and chain, with 2182/20 air relief valve	3" cam & groove adapter	20-1/16'	16.45
3090MAS	swing check manifold with white silicone spring loaded flapper and security kit installed	3" cam & groove adapter	12-1/2"	7.9
3090MB	swing check manifold with white silicone spring loaded flapper	4" cam & groove adapter	12-1/2"	7.6
3090MBS	swing check manifold with white silicone spring loaded flapper and security kit installed	4" cam & groove adapter	12-1/2"	8.1
3091MA	swing check manifold with metal spring loaded flapper	3" cam & groove adapter	12-1/2"	7.4
3091MB		4" cam & groove adapter	12-1/2"	7.5
3091MBS	swing check manifold with metal spring loaded flapper and security kit installed	4" cam & groove adapter	12-1/2"	7.6

Swing Check Manifold Inlets / Outlets and Repair Kits

Part #	Description
6000-16	3" cam & groove adapter manifold outlet, requires one 3090RK1 O-ring kit
6000-17	4" cam & groove adapter manifold outlet, requires one 3090RK1 O-ring kit
6000-20	4" female NPT manifold outlet, requires one 3090RK1 O-ring kit
3090RK1	O-ring for 3090MA & 3090MB
3090RK2	flapper and lid repair kit for 30900M manifold and 3030 swing check
TTF4AL-3EMT	3" male NPT blower to manifold inlet adapter, requires 4" TTMA gasket
TTF4AL-4EMT	4" male NPT blower to manifold inlet adapter, requires 4" TTMA gasket

Product instruction sheets and technical data can be viewed at dixonvalve.com

TTMA Flange Adapters and Flange Gaskets

Applications

- Provides a simple and easy way to convert threaded components to standard TTMA flange configurations
- TTMA flange adapters have a round TTMA flange on one end with either a male or female NPT thread on the other

Features

- Solid cast AL is more durable than welded fabrications
- Compact size reduces the overall space needed for installation
- 3" or 4" round TTMA flange pattern with either 3" or 4" male or female NPT
- Machined one-piece casting

Material

- AL

Specifications

- Rated to **100 PSI**
- Flange connections are manufactured to connect with the Tank Truck Manufacturers Association (TTMA) flange pattern, see below for flange dimensions



Part #	Description
TTF3AL-3MT	3" TTMA flange x 3" male NPT, 2-1/2" overall length
TTF4AL-3MT	4" TTMA flange x 3" male NPT, 2-1/2" overall length
TTF4ALHC-3MT	4" TTMA flange x 3" male NPT, 2-1/2" overall length, hardcoated
TTF4AL-3EMT	4" TTMA flange x 3" male NPT, 5-1/2" overall length
TTF4AL-3FT	4" TTMA flange x 3" female NPT, 2-1/2" overall length
TTF4AL-4MT	4" TTMA flange x 4" male NPT, 2-1/2" overall length
TTF4ALHC-4MT	4" TTMA flange x 4" male NPT, 2-1/2" overall length, hardcoated
TTF4AL-4EMT	4" TTMA flange x 4" male NPT, 5-1/2" overall length
TTF4AL-4FT	4" TTMA flange x 4" female NPT, 2-1/2" overall length

Flange Gaskets

Application

- Creates a leak-tight seal between two bolted flange faces.

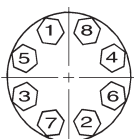
Materials

- PTFE, Klingsil[®], or Cork/nitrile rubber

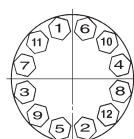
Specifications

- TTMA flange gaskets are manufactured to seal with flanges produced to the 3" or 4" Tank Truck Manufacturers Association (TTMA) flange pattern
- Temperature ratings: Cork/nitrile rubber -20°F (-29°C) to 250°F (121°C), Klingsil nylon -50°F (-45°C) to 400°F (204°C), PTFE with soft fiber core -40°F (-40°C) to 500°F (260°C), White EPDM -40°F (-40°C) to 250°F (121°C)

Round TTMA Flange Gaskets



8 bolt



12 bolt

Part #	Size	Description	O.D.	I.D.	Thickness	Bolt Circle
300GTTFCB	3"	TTMA-cork/nitrile rubber	5-5/8"	3-1/2"	1/8"	4-7/8"
300GTTFTK		PTFE envelope with Klingsil filler			1/16"	
300GTTFK		Klingsil nylon			1/8"	
40321TF		TTMA-PTFE with soft fiber core			3/32"	
400GTTFCB	4"	TTMA-cork/nitrile rubber	6-5/8"	4-9/16"	1/8"	5-7/8"
400GTTFTK		PTFE envelope with Klingsil filler			1/16"	
400GTTFK		Klingsil nylon			1/8"	
40322TF		TTMA-PTFE with soft fiber core			3/32"	

Square TTMA Flange Gaskets

Part #	Size	Description	Out. Dim.	I.D.	Thickness	Bolt Circle
300GDBSQCB	3"	square TTMA-cork/nitrile rubber	4-3/4" sq.	3-9/16"	1/8"	5"
300GDBSQK		square TTMA-Klingsil nylon		3-9/16"	1/16"	5"
300GDBSQE		square TTMA-white EPDM		3-9/16"	1/8"	5"

Round TTMA Flange Dimensions

Nominal Pipe Size	Flange OD	AL Flange Thickness	Diameter of Bolt Circle	Number of Bolts	Diameter of Bolt Holes	Diameter of Bolts Used
3"	5-5/8"	3/8"	4-7/8"	8	7/16"	3/8"
4"	6-5/8"		5-7/8"	8		
6"	8-7/8"		8-1/8"	12		

Bayco® High Flow-Series

Applications

- Often used on both the blower and trailer, designed to prevent product backflow if a product line should become plugged

Features

- Choice of seals: metal-to-metal, white EPDM, or silicone
- Choice of connections: female NPT, round TTMA flange, square TTMA flange, or grooved pipe
- Flapper return springs are standard
- Huck bolted flapper assembly prevents loose parts from contaminating the product
- Inspection lids can be removed to facilitate routine flapper assembly inspections (system must not be in service during inspections or repair)
- Complete repairs can easily be carried out on all high flow swing check valves without removing from the tank
- When in use the flapper can swing completely out of the air path, resulting in improved air flow and subsequently increased product flow
- Can be mounted vertically or horizontally



Materials

- AL body and inspection lid, stainless steel hardware, metal-to-metal, EPDM **250°F (121°C)** or silicone seals **400°F (204°C)** are available (seal availability is dependent upon the model, see chart below for more information)

Specifications

- Bayco High Flow-series swing check valves have 2", 3", or 4" connection choices: female NPT, round TTMA flange, square TTMA flange, or grooved pipe. All white EPDM and silicone seals are FDA compliant



3030SQ-SSP



3031TE



3031VIC



4040RD

Female NPT

Part #	Connection Type	Seal Type	Flapper Return Springs?	Overall Length
3020TE	2" female NPT both ends	white EPDM seal	yes	5-1/8"
3030TE-SSP	3" female NPT both ends	white silicone seal	yes	7-1/8"
3031TE		metal-to-metal seal		
4040TE	4" female NPT both ends	white EPDM seal	yes	9"
4041TE		metal-to-metal seal		
4042TE		white silicone seal		

Square TTMA Flange

Part #	Connection Type	Seal Type	Flapper Return Springs?	Overall Length
3020SQ	2" square TTMA flange	white EPDM seal	yes	4-5/8"
3030SQ-SSP	3" square TTMA flange	white silicone seal	yes	6-7/8"
3031SQ		metal-to-metal seal		

Round TTMA Flange

Part #	Connection Type	Seal Type	Flapper Return Springs?	Overall Length
3030RD-SSP	3" round TTMA flange	white silicone seal	yes	6-7/8"
3031RD		metal-to-metal seal		
4040RD	4" round TTMA flange	white EPDM seal	yes	9"
4041RD		metal-to-metal seal		
4042RD		white silicone seal		

Grooved Pipe

Part #	Connection Type	Seal Type	Flapper Return Springs?	Overall Length
3030VIC-SSP	3" grooved end both ends	white silicone seal	yes	8"
3031VIC		metal-to-metal seal		

Product instruction sheets and technical data can be viewed at dixonvalve.com

Bayco® Classic 3000-Series

Application

- The classic 3000-series swing check valves are often used on both the blower and trailer

Features

- Choice of seals: metal-to-metal, nitrile rubber, or silicone
- Choice of connections: female NPT, round TTMA flange, or square TTMA flange
- Available with or without flapper return springs
- Huck bolted flapper assembly prevents loose parts from contaminating the product
- Inspection lids can be removed to facilitate routine flapper assembly inspections (system must not be in service during inspections or repair)
- Limited repairs can be carried out on both threaded and square flanged units without removing from the tank; round flange units must be removed from the tank to facilitate repairs
- For swing check valves that can be completely repaired on the tank see the Bayco High Flow 3030-Series on page 13



Materials

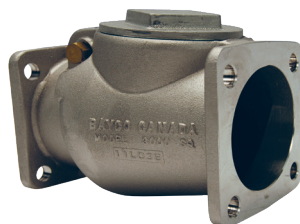
- AL body, Bayloy inspection caps and flapper valve assembly. Nitrile rubber **250°F (121°C)** or silicone seals **400°F (204°C)** are optional.

Specification

- All Bayco 3000-series swing check valves 3" connections are available in: female NPT, round TTMA flange, or square TTMA flange



3000TE



3001SQ-N



3000-N

Part #	Connection Type	Seal Type	Flapper Return Springs	Overall Length
3000TE	3" female NPT both ends	metal-to-metal seal	no	7-1/8"
3000TE-SP			yes	
3000TE-B		black nitrile rubber seal	no	
3000TE-BSP			yes	
3000TE-S		white silicone seal	no	
3000TE-SSP			yes	
3001SQ-N	3" square TTMA flange	metal-to-metal seal	no	6-7/8"
3001SQ-SP			yes	
3001SQ-B		black nitrile rubber seal	no	
3001SQ-BSP			yes	
3001SQ-S		white silicone seal	no	
3001SQ-SSP			yes	
3000-N	3" round TTMA flange	metal-to-metal seal	no	5-5/8"
3000-SP			yes	
3000-B		black nitrile rubber seal	no	
3000-BSP			yes	
3000-S		white silicone seal	no	
3000-SSP			yes	

Product instruction sheets and technical data can be viewed at dixonvalve.com

Pneuclean™ Pneumatic Filtration System

Applications

- Designed to remove microscopic particles generated by blowers during pneumatic conveying of contaminant-sensitive dry bulk products. Contaminants such as iron and hydrocarbons are produced by air blowers and can adversely affect dry products such as plastic pellets and food materials. These filter units are typically mounted on dry bulk tanker trailers, but can also be mounted on the tractor. Units are placed after the blower and before the bulk storage tanker. This in-line pneumatic system is also suitable for industrial applications or wherever microscopic filtration (up to 4 microns) of impurities is required.

Features

- Variety of connection types (see specifications below)
- Canister is heavy duty AL
- Overall weight is 26 lbs
- Maximum air flow is 1000 CFM
- Special cartridge style filter element has a typical life expectancy of approximately 12 months or 2000 hours of service
- Rated up to **400°F (204°C)**
- Noise reduction filter reduces noise by 13.8 dB at 600 CFM
- FDA compliant medium with 99.99% maximum efficiency at 4 microns
- Back pressure **0.05 PSI**
- Quick release V-clamp for easy inspection and servicing

Materials

- AL canister and lid, stainless V-clamp
- Polyester filter material

Specifications

- Standard units employ 4" inlets and outlets, choose from schedule 40 pipe, grooved pipe, TTMA flange, or 4" cam & groove adapter connections (3" plumbing can be used with available weld-on 4" x 3" cam & groove adapters)
- Maximum working pressure is **50 PSI** with a MERV rating of 8



PC5000



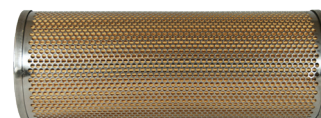
PC5000TTTE

Part #	Description
PC5000	complete Pneuclean filtration system with 4" schedule 40 pipe inlet and outlet
PC5000-002	complete Pneuclean filtration system with 4" schedule 40 pipe inlet and outlet with Outer Perf Element
PC5003	mounting bracket (sold separately, 2 required)

Replacement Parts



PC5001



PC5001-002

Part #	Description
PC5001	replacement Pneuclean filter element, rated to 400°F (204°C)
PC5001-002	replacement Pneuclean filter element with outer perforation, rated to 400°F (204°C)
PC5004	replacement V-clamp for securing lid to body
PC5005	replacement lid O-ring seal
PC5006	replacement canister bottom gasket-white silicone
PC5007	replacement lid

Product instruction sheets and technical data can be viewed at dixonvalve.com

Cam & Groove In-Line Sight Glasses

Application

- The cam & groove sight glasses are often connected to the dry bulk tanker's product outlet allowing the operator to visually confirm that product is flowing out of the tank

Features

- Allows the operator to see product flow
- Precision machined to rigid tolerances
- Durable stainless steel cam arm pins will not rust or bind, providing strength and safety
- Recess holds gasket firmly in place, ensures proper placement
- Intended for dry goods only

Materials

- AL, acrylic sight glass, brass cam arms, and nitrile rubber gaskets

Specification

- Interchanges with all products produced to commercial Item description A-A-59326B



3543CA

Coupler x Adapter

Part #	Description
3544CA	4" cam & groove coupler x 4" cam & groove adapter
3543CA	4" cam & groove coupler x 3" cam & groove adapter
3534CA	3" cam & groove coupler x 4" cam & groove adapter
3533CA	3" cam & groove coupler x 3" cam & groove adapter

Coupler x Coupler

Part #	Description
3544CC	4" cam & groove coupler x 4" cam & groove coupler
3543CC	4" cam & groove coupler x 3" cam & groove coupler
3533CC	3" cam & groove coupler x 3" cam & groove coupler

Adapter x Adapter

Part #	Description
3544AA	4" cam & groove adapter x 4" cam & groove adapter
3534AA	3" cam & groove adapter x 4" cam & groove adapter
3533AA	3" cam & groove adapter x 3" cam & groove adapter

Product instruction sheets and technical data can be viewed at dixonvalve.com

Aluminum Bolt Clamps

Applications

- Designed to join two pieces of pipe together. The two pipes are butted to one another with each pipe having a groove that runs the circumference of the pipe exterior. The grooved clamp has ridges that lock into the two pipe grooves and a gasket is compressed to the pipes to create a leak-proof seal. Grooved clamps are often used on pipe connections on dry bulk tankers (in place of welding) offering the ability to adjust, change, or replace pipe sections without the need for a permanent joint such as a weld

Features

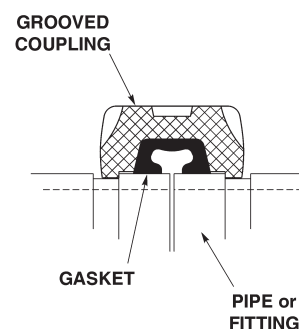
- Constructed of rugged forged aluminum
- Maintenance is easy to perform
- Lightweight yet rugged. Unlike steel groove clamps that secure the pipe ends with high clamping force against the tubing/piping walls, the Dixon® aluminum bolted clamp takes the full bolt force and locks into the groove of the tube/pipe, preventing distortion of the tube/pipe diameter
- Precision casting and machined dimensions provide an exact fit and great appearance
- Lock nuts prevent loosening in applications with vibration
- White nitrile rubber seal for food applications

Materials

- Aluminum with steel bolts/nuts, and nitrile rubber seals

Specification

- Manufactured to fit new and existing grooved pipe connections



DBV-WB400

Size	Seal	Part #	Maximum PSI	Approximate Weight (lbs)	Bolt Torque (ft lbs)
3"	white nitrile rubber	DBV-WB300	120	1.1	50
4"	white nitrile rubber	DBV-WB400	120	1.5	50
5"	white nitrile rubber	DBV-WB500	120	2	50

Replacement Gaskets

Clamp Size	Part #	Gasket Material
3"	G300N	white nitrile
4"	G400N	white nitrile
5"	G500N	white nitrile



Biofuel Compatible

AL Quick Connect Clamps



Application

- Quick line clamp designed to couple groove to groove connections in dry bulk applications

Features

- 4" dry bulk line clamp
- Adjustable locking mechanism
- Safety locking clip is included
- **50 PSI** working pressure
- Maximum temperature rating **250°F (121°C)**

Material

- White nitrile rubber split gasket, heavy duty composite handle, forged AL body, and stainless steel locking mechanism

Part #	Description	Replacement Gasket
DBCG400	4" AL groove x groove quick clamp	40398BN
DBCG400-P	4" AL pipe x pipe quick clamp	
DBCG400-PG	4" AL pipe x groove quick clamp	

Nylon Quick Connect Clamps



Application

- Quick line clamp designed to couple groove-to-groove, pipe-to-pipe, or groove-to-pipe connections in dry bulk applications

Features

- 4" dry bulk line clamp
- Adjustable locking mechanism
- Safety locking clip is included
- **50 PSI** working pressure
- Maximum temperature rating **250°F (121°C)**

Material

- White nitrile rubber split gasket, nylon body and handle with stainless steel locking mechanism

Part #	Description
DBCG402	4" Nylon Quick Connect Clamp White NBR Seals

Pipe Band Clamps

Applications

- Suitable for both food grade and non food grade applications where pipe and hopper tee outlets are joined. Typically used on dry bulk cargo tank pipe connections.

Features

- Works with both groove and straight pipe connections
- Static conductive strap built into clamp
- Heavy duty worm gear clamps
- Stainless steel support wrap improves strength
- Band clamp retainers align clamp position
- Working pressure **50 PSI**
- Maximum temperature rating **250°F (121°C)**

Materials

- Stainless steel band and clamps, white nitrile rubber FDA approved seals



Part #	ID Size	Length	Description
DBPCB400	4"	4"	stainless steel band clamp with white nitrile rubber seal

Product instruction sheets and technical data can be viewed at dixonvalve.com

Butterfly Valves

Application

- Butterfly valves are commonly used on dry bulk tankers to control the flow of product; designed to be placed between two ASME/ANSI 125 or 150 lb. flanges

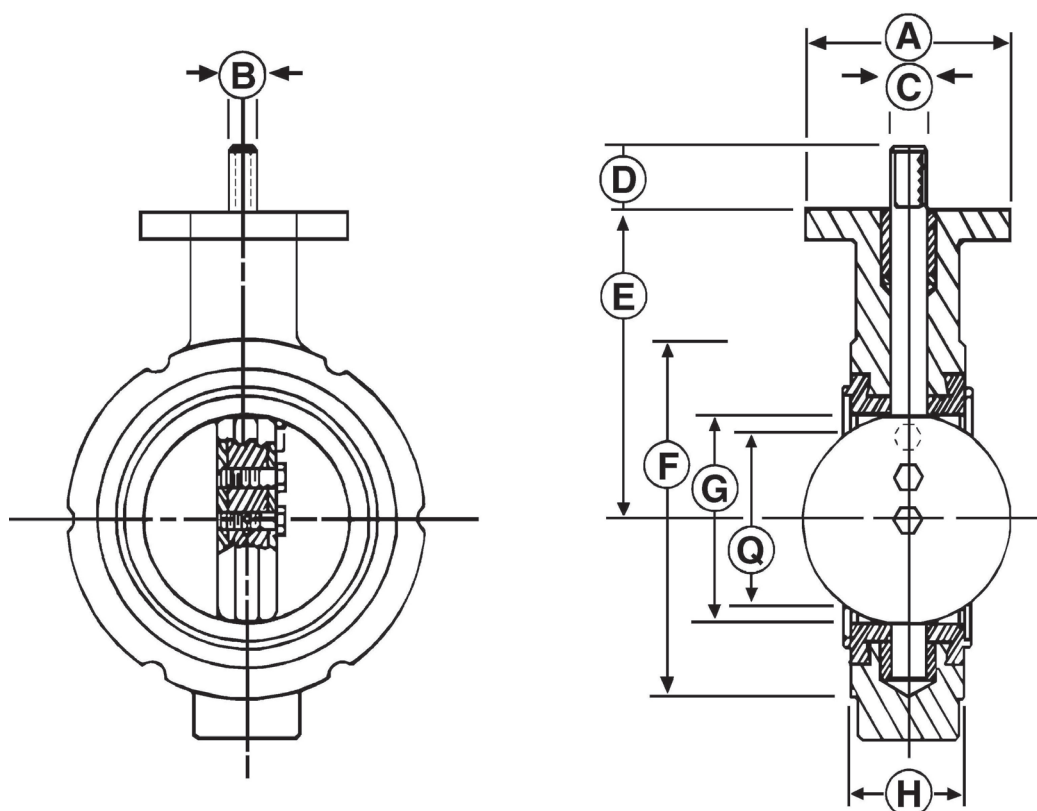
Features

- Flange gaskets are not required; the valves elastomer seat also doubles as the flange gasket
- Handles are high strength 713 AL, with a retrogressive re-aging process which creates a stronger handle than the cast iron handle commonly used in the industry
- Iron or stainless discs are standard for superior wear resistance
- FDA approved black or white nitrile rubber seals, -20°F to 275°F (-29°C to 135°C)

Materials

- AL bodies with iron or stainless steel disc, polymer bushings, nitrile rubber seals and seats, spring, stem and locking lever pin are stainless steel, and AL handle and throttling plate

Butterfly Valve Dimensions



Size	A	B	C	D	E	F	G	H	Q	Weight (lbs.)
2"	4.000	0.375	0.563	1.250	3.938	4.125	2.125	1.625	1.688	3
3"		0.375	0.563	1.250	4.875	5.375	3.125	1.750	2.875	5
4"		0.438	0.625	1.250	6.000	6.875	4.125	2.000	3.875	8
5"		0.438	0.625	1.250	6.000	7.625	5.188	2.125	5.000	9
6"		0.438	0.625	1.250	6.625	8.750	6.125	2.125	6.000	9
8"	6.000	0.500	0.750	1.250	8.313	11.000	8.125	2.500	8.000	--
10"		0.625	0.875	1.250	9.125	13.375	10.125	2.500	10.000	--

NOTE: All dimensions are given in inches

NOTE: "Q" dimension is the minimum allowable inside diameter of the pipe or mating flange

One-Piece AL Body with Iron Disc and Black Nitrile Rubber Seals



Part #	Size	Body Material	Seat Material	Disc Material	Stem Material	Integrated Notch Plate	Handle Part (Sold Separately)	Replacement Seat Part # (Sold Separately)
2-400-1500	2"	AL	Black Nitrile	NI	17-4 SS	No	400-206-23-5	02400422X500X
3-400-1500	3"	AL	Black Nitrile	NI	17-4 SS	No	400-206-23-5	03400422X500X
4-400-1500	4"	AL	Black Nitrile	NI	17-4 SS	No	400-206-46-5	04400422X500X
4A-400-1500 (8 hole)	4"	AL	Black Nitrile	NI	17-4 SS	No	400-206-46-5	A4400422X500X
5-400-1500	5"	AL	Black Nitrile	NI	17-4 SS	No	400-206-46-5	05400422X500X
6-400-1500	6"	AL	Black Nitrile	NI	17-4 SS	No	400-206-46-5	06400422X500X
8-400-1500	8"	AL	Black Nitrile	NI	17-4 SS	No	400-206-810	08400422X500X
10-400-1500	10"	AL	Black Nitrile	NI	17-4 SS	No	400-206-1010	10400422X500X
12-400-1500	12"	AL	Black Nitrile	NI	17-4 SS	No	400-206-1210	12400422X500X

One-Piece AL Body with Iron Disc, Black Nitrile Rubber Seals, and Integrated Notch Plate



Part #	Size	Body Material	Seat Material	Disc Material	Stem Material	Integrated Notch Plate	Handle Part (Sold Separately)	Replacement Seat Part # (Sold Separately)
3-480-1500	3"	AL	Black Nitrile	NI	17-4 SS	Yes	300-206-46-5W	03400422X500X
4-480-1500	4"	AL	Black Nitrile	NI	17-4 SS	Yes	300-206-46-5W	04400422X500X
4A-480-001500 (8 hole)	4"	AL	Black Nitrile	NI	17-4 SS	Yes	300-206-46-5W	A4400422X500X
5-480-1500	5"	AL	Black Nitrile	NI	17-4 SS	Yes	300-206-46-5W	05400422X500X
6-480-1500	6"	AL	Black Nitrile	NI	17-4 SS	Yes	300-206-46-5W	06400422X500X

One-Piece AL Body with Stainless Steel Disc and Black Nitrile Rubber Seals



Part #	Size	Body Material	Seat Material	Disc Material	Stem Material	Integrated Notch Plate	Handle Part (Sold Separately)	Replacement Seat Part # (Sold Separately)
2-400-002500	2"	AL	Black Nitrile	316SS	17-4 SS	No	400-206-23-5	02400422X500X
3-400-002500	3"	AL	Black Nitrile	316SS	17-4 SS	No	400-206-23-5	03400422X500X
4-400-002500	4"	AL	Black Nitrile	316SS	17-4 SS	No	400-206-46-5	04400422X500X
4A-400-002500	4"	AL	Black Nitrile	316SS	17-4 SS	No	400-206-46-5	A4400422X500X
5-400-002500	5"	AL	Black Nitrile	316SS	17-4 SS	No	400-206-46-5	05400422X500X
6-400-002500	6"	AL	Black Nitrile	316SS	17-4 SS	No	400-206-46-5	06400422X500X
8-400-002500	8"	AL	Black Nitrile	316SS	17-4 SS	No	400-206-810	08400422X500X
10-400-002500	10"	AL	Black Nitrile	316SS	17-4 SS	No	400-206-1010	10400422X500X
12-400-002500	12"	AL	Black Nitrile	316SS	17-4 SS	No	400-206-1210	12400422X500X

One-Piece AL Body with Stainless Steel Disc, Black Nitrile Rubber Seals, and Integrated Notch Plate



Part #	Size	Body Material	Seat Material	Disc Material	Stem Material	Integrated Notch Plate	Handle Part (Sold Separately)	Replacement Seat Part # (Sold Separately)
3-480-002500	3"	AL	Black Nitrile	316SS	17-4 SS	Yes	300-206-46-5W	03400422X500X
4-480-002500	4"	AL	Black Nitrile	316SS	17-4 SS	Yes	300-206-46-5W	04400422X500X
4A-480-002500 (8 hole)	4"	AL	Black Nitrile	316SS	17-4 SS	Yes	300-206-46-5W	A4400422X500X
5-480-002500	5"	AL	Black Nitrile	316SS	17-4 SS	Yes	300-206-46-5W	05400422X500X
6-480-002500	6"	AL	Black Nitrile	316SS	17-4 SS	Yes	300-206-46-5W	06400422X500X

One-Piece AL Body with Stainless Steel Disc and FDA White Nitrile Seals



Part #	Size	Body Material	Seat Material	Disc Material	Stem Material	Integrated Notch Plate	Handle Part (Sold Separately)	Replacement Seat Part # (Sold Separately)
2-400-003501	2"	AL	FDA White Nitrile	316SS	17-4 SS	No	400-206-23-5	02400422X501X
3-400-3501	3"	AL	FDA White Nitrile	316SS	17-4 SS	No	400-206-23-5	03400422X501X
4-400-3501	4"	AL	FDA White Nitrile	316SS	17-4 SS	No	400-206-46-5	04400422X501X
4A-400-3501 (8 hole)	4"	AL	FDA White Nitrile	316SS	17-4 SS	No	400-206-46-5	A4400422X501
5-400-3501	5"	AL	FDA White Nitrile	316SS	17-4 SS	No	400-206-46-5	05400422X501X
6-400-3501	6"	AL	FDA White Nitrile	316SS	17-4 SS	No	400-206-46-5	06400422X501X
8-400-3501	8"	AL	FDA White Nitrile	316SS	17-4 SS	No	400-206-810	08400422X501X
10-400-003501	10"	AL	FDA White Nitrile	316SS	17-4 SS	No	400-206-1010	10400422X501X
12-400-003501	12"	AL	FDA White Nitrile	316SS	17-4 SS	No	400-206-1210	12400422X501X

One-Piece AL Body with Stainless Steel Disc, FDA White Nitrile Seals, and Integrated Notch Plate



Part #	Size	Body Material	Seat Material	Disc Material	Stem Material	Integrated Notch Plate	Handle Part (Sold Separately)	Replacement Seat Part # (Sold Separately)
3-480-3501	3"	AL	FDA White Nitrile	316SS	17-4 SS	Yes	300-206-46-5W	03400422X501X
4-480-3501	4"	AL	FDA White Nitrile	316SS	17-4 SS	Yes	300-206-46-5W	04400422X501X
4A-480-3501 (8 hole)	4"	AL	FDA White Nitrile	316SS	17-4 SS	Yes	300-206-46-5W	04A400422X501X
5-480-3501	5"	AL	FDA White Nitrile	316SS	17-4 SS	Yes	300-206-46-5W	05400422X501X
6-480-3501	6"	AL	FDA White Nitrile	316SS	17-4 SS	Yes	300-206-46-5W	06400422X501X

One-Piece AL Body with 316 Stainless Steel Disc and Black Nitrile Rubber Seals



Part #	Size	Body Material	Seat Material	Disc Material	Stem Material	Integrated Notch Plate	Handle Part (Sold Separately)	Replacement Seat Part # (Sold Separately)
2-390-828500	2"	AL	Black Nitrile	316SS	316SS	No	400-206-23-10	02400422X500X
3-390-828500	3"	AL	Black Nitrile	316SS	316SS	No	400-206-23-10	03400422X500X
4-390-828U500	4"	AL	Black Nitrile	316SS	316SS	No	400-206-46-10	04400422X500X
4A-390-828U500 (8 hole)	4"	AL	Black Nitrile	316SS	316SS	No	400-206-46-10	A4400422X500X
5-390-828U500	5"	AL	Black Nitrile	316SS	316SS	No	400-206-46-10	05400422X500X
6-390-828U500	6"	AL	Black Nitrile	316SS	316SS	No	400-206-610	06390393X500X
8-390-828U500	8"	AL	Black Nitrile	316SS	316SS	No	400-206-1010	08390393X500X

One-Piece AL Body with 316 Stainless Steel Disc and FDA White Nitrile Seals



Part #	Size	Body Material	Seat Material	Disc Material	Stem Material	Integrated Notch Plate	Handle Part (Sold Separately)	Replacement Seat Part # (Sold Separately)
2-390-828501	2"	AL	FDA White Nitrile	316SS	316SS	No	400-206-23-10	02400422X501X
3-390-828501	3"	AL	FDA White Nitrile	316SS	316SS	No	400-206-23-10	03400422X501X
4-390-828U501	4"	AL	FDA White Nitrile	316SS	316SS	No	400-206-46-10	04400422X501X
4A-390-828U501 (8 hole)	4"	AL	FDA White Nitrile	316SS	316SS	No	400-206-46-10	A4400422X501X
5-390-828U501	5"	AL	FDA White Nitrile	316SS	316SS	No	400-206-46-10	05400422X501X
6-390-828U501	6"	AL	FDA White Nitrile	316SS	316SS	No	400-206-610	06390393X501X
8-390-828U501	8"	AL	FDA White Nitrile	316SS	316SS	No	400-206-1010	08390393X501X

One-Piece AL Body with 316 Stainless Steel Disc, Black Nitrile Rubber Seals, and Integrated Notch Plate



Part #	Size	Body Material	Seat Material	Disc Material	Stem Material	Integrated Notch Plate	Handle Part (Sold Separately)	Replacement Seat Part # (Sold Separately)
3-380-828500	3"	AL	Black Nitrile	316SS	316SS	Yes	300-206-23-5W	03400422X500X
4-380-828U500	4"	AL	Black Nitrile	316SS	316SS	Yes	300-206-46-5W	04400422X500X
4A-380-828U500 (8 hole)	4"	AL	Black Nitrile	316SS	316SS	Yes	300-206-46-5W	A4400422X500X
5-380-828U500	5"	AL	Black Nitrile	316SS	316SS	Yes	300-206-46-5W	05400422X500X
6-380-828U500	6"	AL	Black Nitrile	316SS	316SS	Yes	300-206-65W	06390393X500X

One-Piece AL Body with 316 Stainless Steel Disc, FDA White Nitrile Seals, and Integrated Notch Plate



Part #	Size	Body Material	Seat Material	Disc Material	Stem Material	Integrated Notch Plate	Handle Part (Sold Separately)	Replacement Seat Part # (Sold Separately)
3-380-828501	3"	AL	FDA White Nitrile	316SS	316SS	Yes	300-206-23-5W	03400422X501X
4-380-828U501	4"	AL	FDA White Nitrile	316SS	316SS	Yes	300-206-46-5W	04400422X501X
4A-380-828U501 (8 hole)	4"	AL	FDA White Nitrile	316SS	316SS	Yes	300-206-46-5W	A4400422X501X
5-380-828U501	5"	AL	FDA White Nitrile	316SS	316SS	Yes	300-206-46-5W	05400422X501X
6-380-828U501	6"	AL	FDA White Nitrile	316SS	316SS	Yes	300-206-65-W	06390393X501X
6-390-828U501	6"	AL	FDA White Nitrile	316SS	316SS	No	400-206-610	06390393X501X
8-390-828U501	8"	AL	FDA White Nitrile	316SS	316SS	No	400-206-1010	08390393X501X

One-Piece AL Body with Iron Disc, Black Nitrile Rubber Seals, and Integrated Notch Plate



Part #	Size	Body Material	Seat Material	Disc Material	Stem Material	Integrated Notch Plate	Handle Part (Sold Separately)	Replacement Seat Part # (Sold Separately)
3-780-001500	3"	AL	Black Nitrile	Iron	17-4 SS	Yes	300-206-46-5	03400422X500
4-780-001500	4"	AL	Black Nitrile	Iron	17-4 SS	Yes	300-206-46-5	04400422X500
4A-780-001500 (8 hole)	4"	AL	Black Nitrile	Iron	17-4 SS	Yes	300-206-46-5	A4400422X500
5-780-001500	5"	AL	Black Nitrile	Iron	17-4 SS	Yes	300-206-46-5	05400422X500
6-780-1500	6"	AL	Black Nitrile	Iron	17-4 SS	Yes	300-206-46-5	06400422X500

One-Piece AL Body with Iron Disc, FDA White Nitrile Seals, and Integrated Notch Plate



Part #	Size	Body Material	Seat Material	Disc Material	Stem Material	Integrated Notch Plate	Handle Part (Sold Separately)	Replacement Seat Part # (Sold Separately)
3-780-003501	3"	AL	FDA White Nitrile	316SS	17-4 SS	Yes	300-206-46-5	03400422X501
4-780-003501	4"	AL	FDA White Nitrile	316SS	17-4 SS	Yes	300-206-46-5	04400422X501
4A-780-003501 (8 hole)	4"	AL	FDA White Nitrile	316SS	17-4 SS	Yes	300-206-46-5	A4400422X501
5-780-003501	4"	AL	FDA White Nitrile	316SS	17-4 SS	Yes	300-206-46-5	05400422X501
6-780-3501	6"	AL	FDA White Nitrile	316SS	17-4 SS	Yes	300-206-46-5	06400422X501

Composite Butterfly Valves

Application

- Composite butterfly valves are commonly used on dry bulk cargo tankers to control the flow of product.

Features

- Rugged lightweight alternative to the heavier, more expensive AL valves
- Bayco® proven field reliability and corrosion-free design
- Drop in replacement to upgrade existing AL valves
- Weight reduction allows for increased payload

Material

- Composite bodies with iron, AL, or stainless-steel discs, and black/white Baylast™ rubber seats

Specification

- Handle kits are sold separately



DB3-900-501



DB5-900-301



DB5-900-501



DB6-900-501

Part #	Connection Type	Seat Material	Disc Material	Stem Material	Handle Part (Sold Separately)
DB3-900-150	3" composite butterfly valve	Black/Baylast	Iron	17-4 SS	DB206-46-5 - 5 Position w/ Throttle Plate
DB3-900-301		White/Baylast	AL	17-4 SS	DB206-46-5 - 5 Position w/ Throttle Plate
DB3-900-501		White/Baylast	316SS	17-4 SS	DB206-46-5 - 5 Position w/ Throttle Plate
DB4-900-150	4" composite butterfly valve	Black/Baylast	Iron	17-4 SS	DB206-46-5 - 5 Position w/ Throttle Plate
DB4-900-301		White/Baylast	AL	17-4 SS	DB206-46-5 - 5 Position w/ Throttle Plate
DB4-900-501		White/Baylast	316SS	17-4 SS	DB206-46-5 - 5 Position w/ Throttle Plate
DB5-900-150	5" composite butterfly valve	Black/Baylast	Iron	17-4 SS	DB206-46-5 - 5 Position w/ Throttle Plate
DB5-900-301		White/Baylast	AL	17-4 SS	DB206-46-5 - 5 Position w/ Throttle Plate
DB5-900-501		White/Baylast	316SS	17-4 SS	DB206-46-5 - 5 Position w/ Throttle Plate
DB6-900-150	6" composite butterfly valve	Black/Baylast	Iron	17-4 SS	DB206-46-5 - 5 Position w/ Throttle Plate
DB6-900-301		White/Baylast	AL	17-4 SS	DB206-46-5 - 5 Position w/ Throttle Plate
DB6-900-501		White/Baylast	316SS	17-4 SS	DB206-46-5 - 5 Position w/ Throttle Plate

Composite Butterfly Valve Handle Kits

Part #	Size	Description	Material
DB206-46-5	3-6"	5 position handle and throttle plate	AL
DB237-46-10	3-6"	10 position handle and throttle plate	iron

Butterfly Valve Accessories

Part #	Size	Description	Material
DB216-36-5	3-6"	Offset Handle Kit for 3" - 6" Butterfly Valves	AL
DBEX-006	6"	6" extension for 5" and 6" BF valve	AL
DBEX-010	10"	10" extension for 5" and 6" BF valve	AL
DBEX-014	14"	14" extension for 5" and 6" BF valve	AL
DBEX-020	20"	20" extension for 5" and 6" BF valve	AL

Product instruction sheets and technical data can be viewed at dixonvalve.com

Dry Bulk Hopper Tees



DB501TA



DB511TA

DB501LTA
low profile

Application

- Designed for efficient and reliable pneumatic unloading of dry bulk materials

Features

- Ideal for original equipment manufacturing (OEM) or drop in replacement
- Lightweight AL construction for easy handling and installation
- Optimized design for rapid and efficient material unloading

Material

- AL

Specification

- 5" x 4" tee

Part #	Size	Description	End Connection	Material	Overall Height	Overall Length	Overall Width	Weight
DB501TA	5" X 4"	straight hopper tee	groove x groove	AL	6.5"	13.9"	8.6"	6.75 lbs
DB501LTA	5" X 4"	straight hopper tee low profile	groove x groove	AL	5"	13.9"	9.7"	7 lbs
DB511TA	5" X 4"	bottom drop tee	groove x groove	AL	6.5"	13.9"	10.975"	10.95 lbs
40719BN	5" X 4"	Replacement door gasket	gasket	BN	---	---	---	---

Hose Tube Doors

Application

- When not in use fuel delivery hoses are often stored in tubes that run the length of the tanker. A welded cap on one end and a hinged tube door welded on the other end keep the hoses in the storage tubes

Features

- Pad-lockable
- Keeps fuel delivery hoses neatly and safely stored in the designated storage tubes
- Protects expensive delivery hoses and fittings from road dirt, salt, and other environmental factors

Materials

- AL body, nitrile rubber seals, stainless-steel door closure spring and hardware, nylon bushings

Specification

- Manufactured to weld to 6", 7", or 8" hose tubes



TDF6



TDF7



TDF8

Part #	Description
TDF6	6" hose tube door
TDF7	7" hose tube door
TDF8	8" hose tube door

Betts® 20" Cam Latch Manholes



Applications

- A tank truck manhole serves as a critical access point on the top of commercial tanker trailers. Its primary applications include allowing safe entry for tank inspection and cleaning, providing pressure regulation, and ensuring spill prevention during transit or roll-over accidents.

Features

- 20" full-opening cam-latch manhole with quick-opening cast AL cover
- Cover features a lift handle, two padlock tabs, and replaceable nylon wear saddles
- Six AL latches mounted on heavy-duty 5/8" swingbolts with a single-lug design
- Adjustable hold-downs provide a positive seal between the cover and collar
- Dual safety latches help prevent accidental cover release under residual tank pressure
- Safety latches disengage only after the cover is slightly lifted and pressure is relieved

Specifications

- Internal MAWP: **35 psi** (2.4 bar)
- External MAWP: **14.7 psi** (1.0 bar)
- Test Pressure: **53 psi** (3.65 bar)
- Design Temp: **-40° F (-40°C)-250° F (121° C)**

Approval

- Manhole meets requirements of 49CFR §178.345-5 and §178.347-3

Part #	Description
8555ABF-6	Betts Model 8555 Manhole AL, w/Zinc Plated Hardware White FDA Nitrile
8555ACF-6	Betts Model 8555 Manhole AL, w/Stainless Steel Hardware White FDA Nitrile

NOTE: Other seal options available call factory for quote 513.874.8499

Disk Fluidizer

Applications

- Designed to provide the optimum amount of air volume needed for efficient pneumatic unloading of bulk trailers, allowing more airflow, less back pressure, and higher unloading rates

Features

- Seals completely to hopper or wear plate to stop the back flow of product into the aeration lines, even when flood loading
- Durable, food grade silicone resists hardening, cracking, or tearing
- Robust design does not have snap retention legs that can break off or flimsy disks that crack and wear prematurely
- Fluidizer component parts can withstand operating temperatures up to **350°F (177°C)**

Commonly Used Fluidizer Kits

Part #	Description
111111	1-port assembly, includes blue silicone disk, grey stem hopper saver, blue silicone manifold gasket, 1-port grey manifold, tee handle
111131	3-port assembly, includes blue silicone disk, grey stem hopper saver, blue silicone manifold gasket, 3-port grey manifold, tee handle
113111	1-port assembly, includes blue silicone disk, grey stem, blue silicone manifold gasket, 1-port grey manifold, tee handle
113131	3-port assembly, includes blue silicone disk, grey stem, blue silicone manifold gasket, 3-port grey manifold, tee handle
111141	1-port assembly, includes blue silicone disk, grey stem hopper saver, blue silicone manifold gasket, 1-port clear manifold, tee handle
111161	3-port assembly, includes blue silicone disk, grey stem hopper saver, blue silicone manifold gasket, 3-port clear manifold, tee handle

Fluidizer Components

Part #	Description
4124	blue silicone fluidizer disk (food grade)
4134	white silicone fluidizer disk (food grade)
4125	grey stem with brass insert
4135	natural stem with stainless-steel insert
4155	AL stem
4157	carbon steel stem
4126B	1-1/2" stainless steel hopper saver, white silicone backing
4127	blue silicone manifold gasket (food grade)
4137	white silicone manifold gasket (food grade)
5050	20" stainless-steel, 3 disk fluidizer plate (16" I.D.)
5052	20" carbon steel, 3 disk fluidizer plate (16" I.D.)
5012	20" neoprene gasket
4121	manifold, 1-port grey
4122	manifold, 2-port grey
4123	manifold, 3-port grey
4621	manifold, 1-port clear
4622	manifold, 2-port clear
4623	manifold, 3-port clear
4129	tee handle assembly - stainless steel
4130	raised tee handle assembly
4139	hex bolt assembly - stainless steel
4149	internal hex bolt assembly - stainless steel



4124



4125



4134



4127



4121



4623



4129

Dust Control Filter Tubes

Application

- The Dust Filter Tubes eliminate product dust by using unique filtering media of engineered porous polymer

Features

- 24", 36", and 42" standard lengths or custom sizes available
- Molded ends minimize splits, significantly improving tube life
- Using multiple tubes with up to 1/2 ft² of filter area, each, provides a large filtering surface in a compact space

Specifications

- Air Flow: 8 seconds minimum to 22 seconds maximum to pass 300 cc of air through a 0.750" disc using a 5 oz. cylinder
- Pore Size Range: Initially 60–100 microns; however, due to the material's crystalline-like structure, particles as small as 25 microns are retained
- Temp Rating: min **-40°F (-40°C)** to max **180°F (82°C)** – continuous **266°F (130°C)** softening occurs

Approval

- USDA food service approved
- The non-absorptive polymer construction can be cleaned using any compatible solvent

Part #	Description
6029	24" Dust Control Filter Tube *
6030	36" Dust Control Filter Tube *
6031	48" Dust Control Filter Tube *
6034	7/8" Grommet
6035	3/4" Grommet

NOTE: *Requires a 6034 or 6035 mounting grommet, which is not included and must be purchased separately.

AL Hopper Cones & Spare Parts

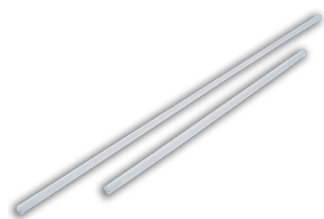
Application

- A hopper cone on a dry bulk container or pneumatic trailer uses gravity to funnel and discharge powdery, granular materials. It ensures the stored product empties completely without manual shoveling, preventing material buildup and reducing waste during unloading

Part #	ID	OD	Slope	Height	Type	Bolt Pattern
5065	26"	31"	45°	10.875"	Bolt On	12 holes on 28.375" BC
5067	26"	---	45°	10.875"	Weld On	---
9106	30"	35"	38°	8.625"	Bolt On	16 holes on 32.875" BC
5068	33"	---	45°	14.625"	Weld On	12 holes on 28.375" BC

Mounting Ring Gasket, Segmented

Part #	ID	OD	Slope	Height	Type	Bolt Pattern
5066S	26"	26"	---	---	---	12 holes on 28.375" BC



TTMA Reducing Flange Adapter

Application

- Used in applications where 3" and 4" TTMA flanges need to be connected

Features

- Both sides machined to create smooth gasket sealing surfaces
- 3/4" thick
- 4" TTMA hole pattern sized for (8) 3/8" socket head cap screws
- 3" TTMA hole pattern is blind threaded with 3/8"-16 thread to a depth of 9/16", supplied with (8) 3/8"-16 x 1" socket head cap screws
- Easily connects with items that have a 3" or 4" TTMA flange

Material

- AL

Specification

- Flange connections are manufactured to connect with the Tank Truck Manufacturers Association (TTMA) flange pattern, see page 12 flange dimensions



4443

Part #	Description
4443	4" TTMA x 3" TTMA reducer flange

NOTE: See page 12 for TTMA flange gaskets

TTMA Weldable Flanges

Application

- Used in applications where a device such as a valve or sight flow with a TTMA flange needs to be connected to a pipe; the TTMA weldable flange is welded to the pipe and the desired device is bolted on

Features

- Butt weld version: the I.D. on side A is beveled to aid with butt welding, the flange face of side B is machined to create an even surface for the gasket seal
- Socket weld version: the I.D. on side A has a machined socket to allow the pipe to slide in to be socket welded, the flange face of side B is machined to create an even surface for the gasket seal
- Flanges are 3/8" thick
- Easily connect with any item that has a 3" or 4" TTMA flange

Material

- AL

Specification

- Flange connections are manufactured to connect with the Tank Truck Manufacturers Association (TTMA) flange pattern, see page 12 for flange dimensions.



TTF3AL



TTF400SP

Part #	Description
TTF3AL	3" TTMA butt weld on flange
TTF4AL	4" TTMA butt weld on flange
TTF400SP	4" TTMA socket weld on flange

Product instruction sheets and technical data can be viewed at dixonvalve.com

Cam & Groove Couplings x TTMA Flange

Application

- Used to connect dry bulk product hoses; the TTMA flange x cam & groove allows product hoses to be connected directly to the dry bulk tanker piping system

Features

- Precision machined to rigid tolerances
- Durable stainless steel cam arm pins will not rust or bind, for greater strength and safety
- Recess holds gasket firmly in place, ensures proper placement

Materials

- AL, nitrile rubber gaskets

Specifications

- Interchanges with all products produced to commercial item description A-A-59326B
- Flange connections are manufactured to connect with the Tank Truck Manufacturers Association (TTMA) flange pattern, see page 12 for flange dimensions



300-ALT-AL



300-DLT-AL



40022ALTAL



40022DLTAL

Part #	Description
300-ALT-AL ¹	3" cam & groove adapter (straight) x 3" TTMA flange
3040ALTAL	4" cam & groove adapter (straight) x 3" TTMA flange
400-ALT-AL ¹	4" cam & groove adapter (straight) x 4" TTMA flange
40022ALTAL	4" cam & groove adapter (22-1/2°) x 4" TTMA flange
600-ALT-AL	6" cam & groove adapter (straight) x 6" TTMA flange
300-DLT-AL	3" cam & groove coupler (straight) x 3" TTMA flange
3040DLTAL	4" cam & groove coupler (straight) x 3" TTMA flange
400-DLT-AL	4" cam & groove coupler (straight) x 4" TTMA flange
40022DLTAL	4" cam & groove coupler (22-1/2°) x 4" TTMA flange
600-DLT-AL	6" cam & groove coupler (straight) x 6" TTMA flange

¹ 300-ALT-AL and 400-ALT-AL are also available in 316 stainless steel

Product instruction sheets and technical data can be viewed at dixonvalve.com

Cam & Groove with Straight Thread

Applications

- Used to connect dry bulk product hoses. Standard threaded cam & groove fittings have a tapered thread, which when threaded to another tapered thread, leaves exposed thread within the product flow path. The cavity left by the exposed thread not only causes product turbulence, but it also is a place where product can build up. When the Dixon® cam & groove with female straight threads is threaded onto a male tapered thread (NPT), the male tapered thread threads all the way to the bottom of the thread cavity, creating a smooth product path. This reduces product turbulence and build-up.

Features

- No exposed threads within the product flow, reduces product turbulence and product build up
- Precision machined to rigid tolerances
- Durable stainless-steel cam arm pins will not rust or bind, for greater strength and safety
- Recess holds coupler gasket firmly in place, ensuring proper placement

Materials

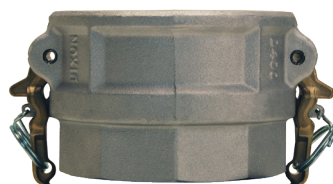
- AL, cork/nitrile rubber adapter gasket, and nitrile rubber coupler gasket

Specifications

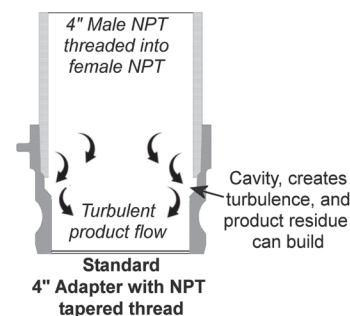
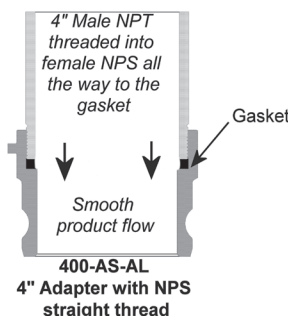
- Interchanges with all products produced to commercial item description A-A-59326B
- Threads are machined to the NPSM standard



400-AS-AL



ADS400



Part #	Description
400-AS-AL	4" cam & groove adapter with female NPSM (straight thread)
400GAGFI	replacement cork/nitrile rubber thread gasket for 400-AS-AL
ADS400	4" cam & groove coupler with female NPSM (straight thread)
400-G-BU ¹	replacement nitrile rubber coupler gasket for ADS400

¹ Other material coupler gaskets are available, please contact Dixon® at 513.874.8499

NOTE: Please contact Dixon for other materials and configurations

Cam & Groove Swivels

Type A Adapters adapter x female NPT

Size	AL Part #	316 Stainless Steel Part #
2"	200-A-ALSWIV	200-A-SSSWIV
3"	300-A-ALSWIV	300-A-SSSWIV
4"	400-A-ALSWIV	400-A-SSSWIV

Type C Coupler coupler x hose shank

Size	AL Part#	316 Stainless Steel Part #
2"	AC200EZSWIV	RC200EZSWIV
3"	AC300EZSWIV	RC300EZSWIV
4"	AC400EZSWIV	RC400EZSWIV

Type D Coupler coupler x female NPT

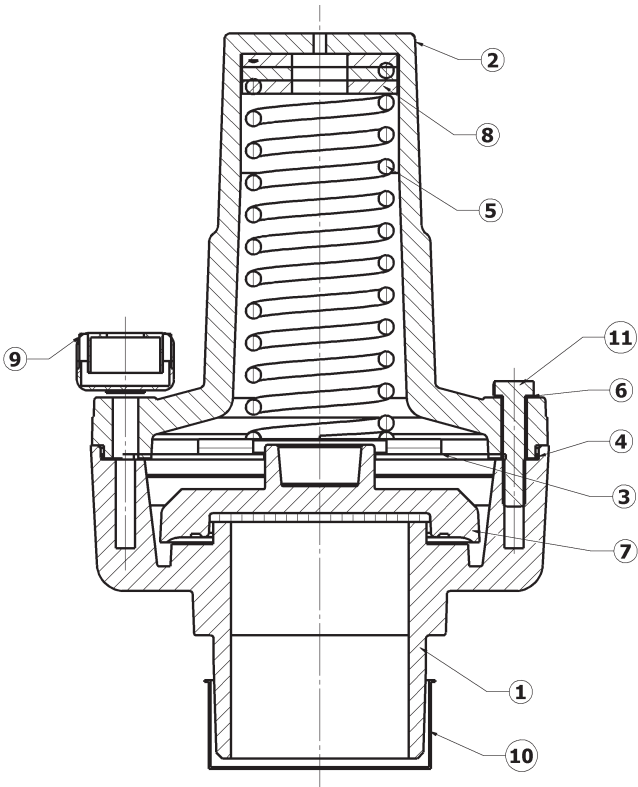
Size	AL Part #	316 Stainless Steel Part #
2"	AD200EZSWIV	RD200EZSWIV
3"	AD300EZSWIV	RD300EZSWIV
4"	AD400EZSWIV	RD400EZSWIV

Type E Adapter adapter x hose shank

Size	AL Part #	316 Stainless Steel Part #
2"	200-E-ALSWIV	200-E-SSSWIV
3"	300-E-ALSWIV	300-E-SSSWIV
4"	400-E-ALSWIV	400-E-SSSWIV

Product instruction sheets and technical data can be viewed at dixonvalve.com

2182-Series Blower 2" Air Relief Valves



Bill of Materials

Item #	Description	Qty
1	vent cowl	1
2	top body	1
3	valve seat	1
4	diaphragm	1
5	spring	1
6	lock washer	4
7	valve plate	1
8	spacer	---
9	cup seal	1
10	cap	1
11	body bolt	4

Repair Kits

Part #	Description	Includes Item #
2182RK15	2182 repair kit, 15 PSI spring (+2/-0 PSI tolerance), spring seat, diaphragm, valve plate, bolts, lock washers, tamper proof seal and valve label	3, 4, 5, 6, 8, 9, 10
2182RK18	2182/18 repair kit, 18 PSI spring (+2/-0 PSI tolerance), spring seat, diaphragm, valve plate, bolts, lock washers, tamper proof seal and valve label	3, 4, 5, 6, 8, 9, 10

NOTE: Disassembly, tampering, or modifications will void the product warranty and could result in personal injury or death and extensive property damage

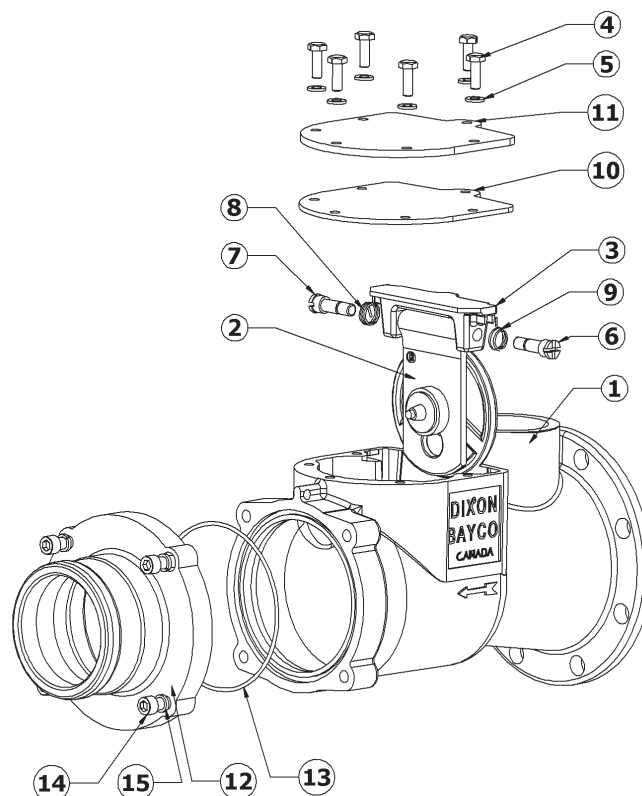


High Flow Blower Swing Check Manifold Valves

3090-Series TTMA Flange x Adapter

Bill of Materials

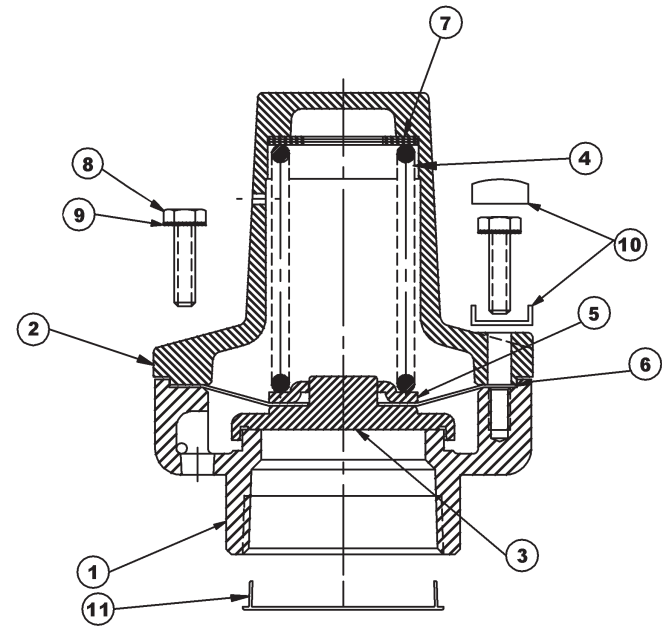
Item #	Description	Part No.	Qty
1	swing check manifold body	---	1
2A	valve flapper assembly silicone seal (3090M, 3090MA, 3090MB and 3090F)	use kit 3090RK2	1
2B	valve flapper assembly metal seal (3091MA)	use kit 3091RK2	1
3	flapper valve yoke	341595	1
4	bolt	use kit 3030HK	6
5	lock washer	use kit 3030HK	6
6	left hand shaft	3090RK1 or 3090RK2	1
7	right hand shaft	3090RK1 or 3090RK2	1
8	right hand spring	use kit 3030RK3	1
9	left hand spring	use kit 3030RK3	1
10	cover gasket silicone	112257	1
11	cover	341611	1
12A	3" adapter outlet (for 3090MA, 3090MAS and 3091MA, includes items 14 and 15)	6000-16	1
12B	4" adapter outlet (for 3090MB, and 3090MBS, includes items 14 and 15)	6000-17	1
12C	4" FNPT outlet (for 3090F)	6000-20	1
13	adapter outlet O-ring	3090RK1	1
14	adapter outlet hex bolt	use kit 6000NPHK	4
15	adapter outlet lock washer	use kit 6000NPHK	4



Repair Kits

Part #	Description	Includes Item #
3090RK1	adapter outlet O-ring	13
3091RK2	replacement metal seal flapper kit, flapper assembly, yoke, springs, shafts, cover gasket (for 3091MA)	2B, 3, 6, 7, 8, 9, 10
3090RK2	complete rebuild kit, silicone flapper assembly, yoke, springs, shafts, cover gasket, bolts and lock washers (for 3090M, 3090MA, 3090MB and 3090F)	2A, 3, 4, 5, 6, 7, 8, 9, 10
3091RK1	complete rebuild kit, metal seat flapper assembly, yoke, springs, shafts, cover gasket, bolts and lock washers (for 3091MA)	2B, 3, 4, 5, 6, 7, 8, 9, 10
3030HK	replacement cover bolts and lock washers	4, 5
3030RK3	replacement left and right springs	8, 9
6000NPHK	outlet bolts and lock washers	14, 15

2180-Series 2" Air Relief Valves



Bill of Materials

Item #	Description	Qty
1	vent cowl	1
2	top body	1
3	valve	1
4	spring	1
5	valve seat	1
6	diaphragm	1
7	spacers	---
8	body bolt	4
9	body bolt washer	4
10	cup seal	1
11	plug	1

NOTE: Only **15 PSI** and **18 PSI** repair kits are available (below), all valves of other pressure settings must be returned to Dixon® for rebuilding.

NOTE: The detailed instructions enclosed with each repair kit must be followed. Failure to comply with these instructions including disassembly, tampering or modifications using processes and parts not described in these instructions or supplied with this rebuild kit will void the product warranty and could result in personal injury or death and extensive property damage.

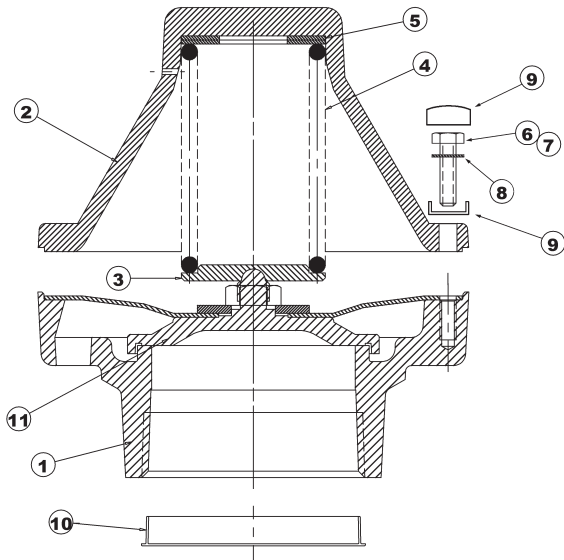


Repair Kits

Part #	Description	Includes Item #
2180RK15	2180 repair kit, 15 PSI spring (+2/-0 PSI tolerance), spring seat, diaphragm, valve plate, bolts, lock washers, tamper proof seal and valve label	3, 4, 5, 6, 8, 9, 10
2180RK18	2180/18 repair kit, 18 PSI spring (+2/-0 PSI tolerance), spring seat, diaphragm, valve plate, bolts, lock washers, tamper proof seal and valve label	3, 4, 5, 6, 8, 9, 10

NOTE: Repair kits fit the 2180-series (non-adjustable) relief valves with female NPT, grooved and cam & groove adapter ends (not for use in the adjustable 2180-series)

3180-Series 3" Air Relief Valves



Bill of Materials

Item #	Description	Qty
1	bottom cowl	1
2	cover	1
3	spring seat	1
4	spring	1
5	set washer	1
6	hex screw	2
7	drilled screw	2
8	lock washer	4
9	cup seal	1
10	plug	1
11	valve sub-assembly	1

NOTE: Repair kits are not available. All 3180 relief valves must be returned to Dixon for rebuilding

NOTE: Disassembly, tampering, or modifications will void the product warranty and could result in personal injury or death and extensive property damage

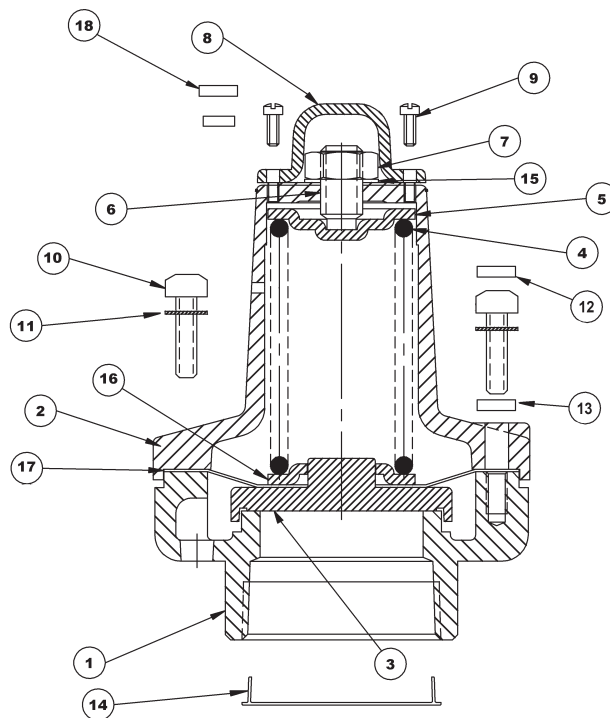


2" and 3" Adjustable Air Relief Valves

Models A2180ADJ and A3180ADJ

Bill of Materials

Item #	Description	Qty
1	vent cowl	1
2	top body	1
3	valve	1
4	spring	1
5	spring plate	1
6	adjustable screw	1
7	lock nut	1
8	adjustment cap	1
9	cap screw	2
10	body screw	4
11	body screw lock washer	4
12	cup seal top	1
13	cup seal bottom	1
14	plug	1
15	lock washer	1
16	spring seat	1
17	diaphragm	1
18	cap screw cup seal	1



NOTE: Repair kits are not available. All adjustable relief valves must be returned to Dixon® for rebuilding

NOTE: Disassembly, tampering or modifications will void the product warranty and could result in personal injury or death and extensive property damage



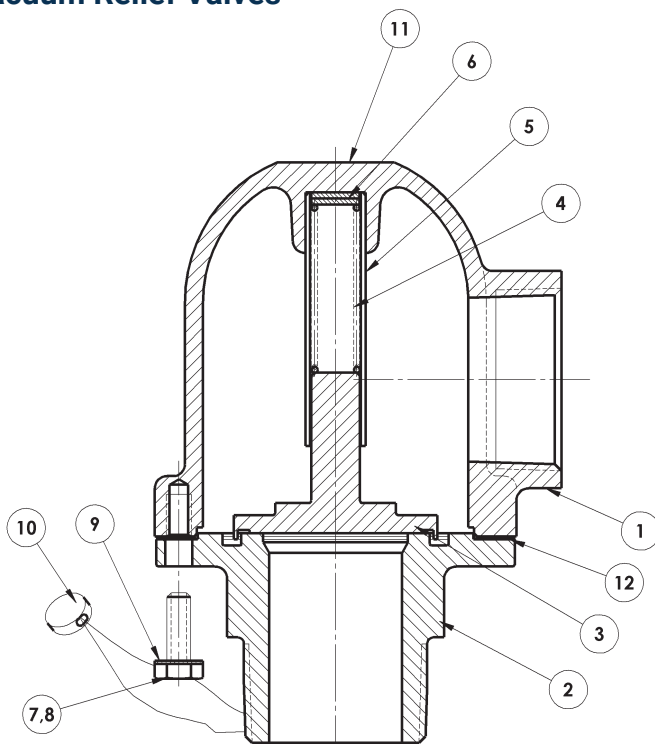
1120-Series 1-1/2" Vacuum Relief Valves

Bill of Materials

Item #	Description	Qty
1	cover	1
2	bottom	1
3	valve	1
4	spring	1
5	stem guide	1
6	spacer	—
7	drilled screw	2
8	screw	2
9	lock washer	4
10	cup seal	1
11	label	1
12	gasket	1

NOTE: Repair kits are not available. All 1120 relief valves must be returned to Dixon for rebuilding

NOTE: Disassembly, tampering, or modifications will void the product warranty and could result in personal injury or death and extensive property damage

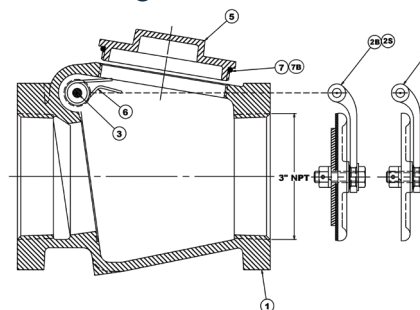
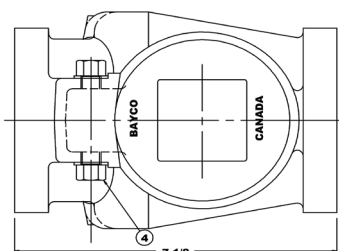


Cam & Groove In-Line Sight Glass Replacement Parts

Part #	Description	3544CA	3543CA	3534CA	3533CA	3544CC	3543CC	3533CC	3544AA	3534AA	3533AA
6000-24	3" adapter end	---	1	---	1	---	---	---	---	---	1
341351	3" adapter end with threaded bolt holes	---	---	---	---	---	---	---	---	1	1
6000-18	4" adapter end	1	---	1	---	---	---	---	2	1	---
6000-23	3" coupler end	---	---	1	1	---	1	2	---	---	---
6000-19	4" coupler end	1	1	---	---	2	1	---	---	---	---
6400SGK	replacement sight glass kit (2 nitrile rubber O-rings and acrylic sight glass)	1	1	1	1	1	1	1	1	1	1
6544CA-1	sight glass spacers	4	4	4	4	4	4	4	4	4	4
AS156	nitrile rubber O-ring for sight glass	2	2	2	2	2	2	2	2	2	2
---	bolts 5/16" x 2-1/2"	---	---	---	---	---	---	---	4	4	4
---	bolts 5/16" x 2-3/4"	4	4	4	4	4	4	4	---	---	---
---	hex nut 5/16"	4	4	4	4	4	4	4	---	---	---
---	helicoil nut 5/16"	---	---	---	---	---	---	---	4	---	---
---	lock washer (for nut end of bolt)	4	4	4	4	4	4	4	---	---	---

Swing Check Valves

Bayco® Classic 3000-Series 3" Swing Check Valves 3000 Threaded and 3001-Series 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 nitrile rubber seal	use kit 300-BSPK	1
2S	valve flapper assembly with silicone seal	use kit 300-SSPK	1
3	shaft	---	1
4	shaft nut	---	2
5	clean out cap	341131	1
6	spring (for units with spring return flapper)	---	1
7	clean out cap O-ring seal	---	1
7B	clean out cap O-ring silicone	112254	1

Repair Kits

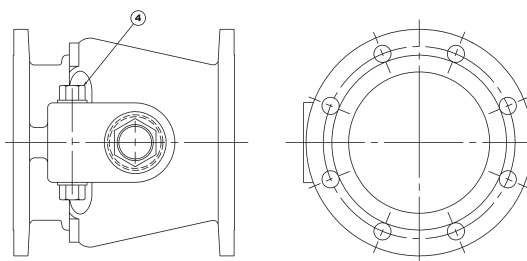
Part #	Description	Includes Item #
300-SSPK	silicone seal flapper assembly, shaft, nuts, flapper spring and clean out cap O-ring seal	2S, 3, 4, 6, 7B
300-SK	silicone seal flapper assembly, shaft, nuts and clean out cap O-ring seal	2S, 3, 4, 7B
300-BSPK	nitrile rubber seal flapper assembly, shaft, nuts, flapper spring and clean out cap O-ring seal	2B, 3, 4, 6, 7B
300-BK	nitrile rubber seal flapper assembly, shaft, nuts and clean out cap O-ring seal	2B, 3, 4, 7B
300-SPK	metal seal flapper assembly, shaft, nuts, flapper spring and clean out cap O-ring seal	2M, 3, 4, 6, 7B
300-K	metal seal flapper assembly, shaft, nuts and clean out cap O-ring seal	2M, 3, 4, 7B

Bayco® Classic 3000-Series 3" Swing Check Valves

Round Flange Units

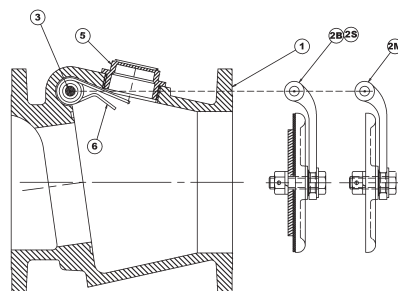
Bill of Materials

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 nitrile rubber seal	use kit 300-BSPK	1
2S	valve flapper assembly with silicone seal	use kit 300-SSPK	1
3	shaft	---	1
4	shaft nut	---	2
5	clean out cap	3000CAP	1
6	spring (for units with spring return flapper)	---	1



Repair Kits

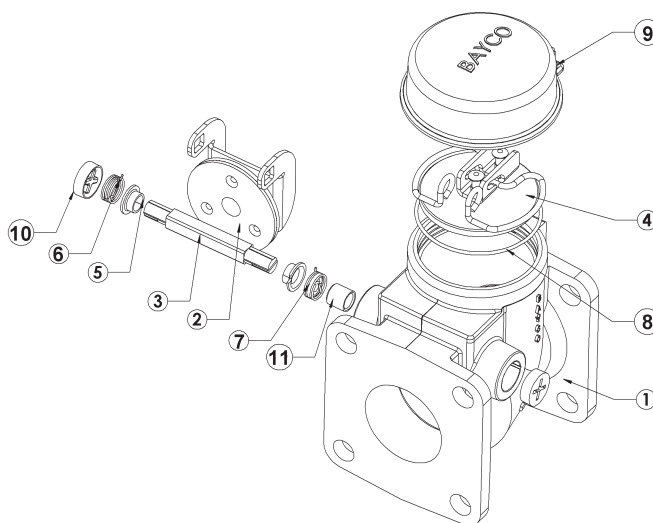
Part #	Description	Includes Item #
300-SSPK	silicone seal flapper assembly, shaft, nuts, flapper spring	2S, 3, 4, 6
300-SK	silicone seal flapper assembly, shaft, nuts	2S, 3, 4
300-BSPK	nitrile rubber seal flapper assembly, shaft, nuts, flapper spring	2B, 3, 4, 6
300-BK	nitrile rubber seal flapper assembly, shaft, nuts	2B, 3, 4
300-SPK	metal seal flapper assembly, shaft, nuts, flapper spring	2M, 3, 4, 6
300-K	metal seal flapper assembly, shaft, nuts	2M, 3, 4



Bayco High Flow 3020-Series 2" Swing Check Valves

Bill of Materials

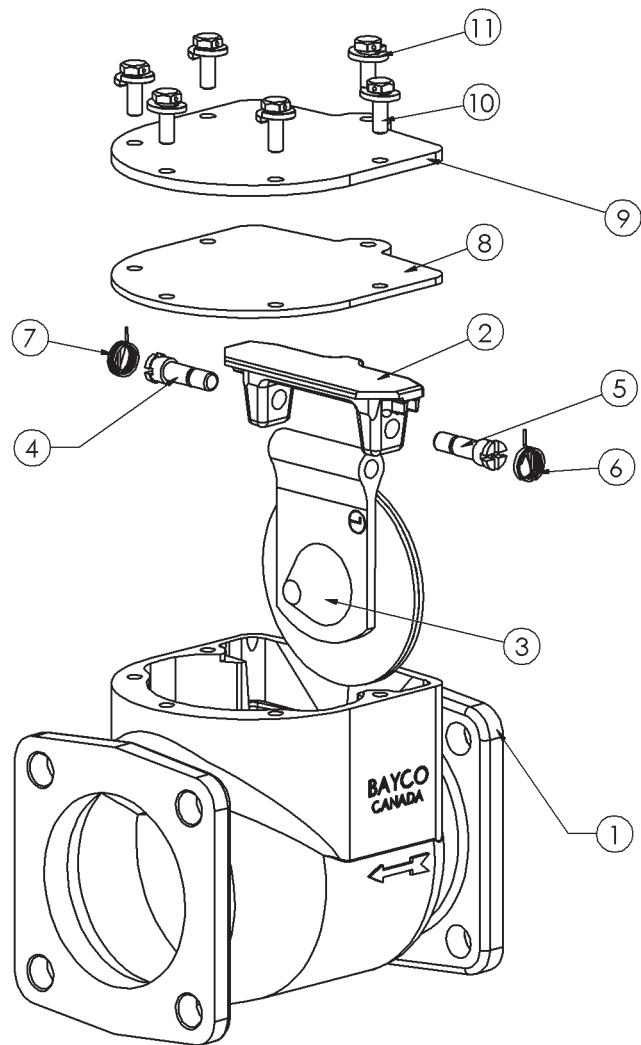
Item #	Description	Part #	Qty
1	swing check body	---	1
2	valve flapper assembly, white EPDM	use kit 3020-FA	1
3	shaft	---	1
4	cover plate & retaining ring	use kit 3020-CS	1
5	shaft bearing	---	2
6	right spring	---	1
7	left spring	---	1
8	cover O-ring	111326	1
9	cap	3020-C	1
10	threaded shaft plug	---	2
11	shaft bushing	---	2



Repair Kits

Part #	Description	Includes Item #
3020-CS	top cover plate kit, cover plate, spring clip assembly and O-ring seal	4, 8
3020-FA	replacement white EPDM flapper kit, flapper assembly, shaft, shaft bearings, springs and shaft plugs	2, 3, 5, 6, 7, 10

Bayco High Flow 3030-Series 3" Swing Check Valves
Round Flange, Square Flange, Threaded, and Grooved Ends



Bill of Materials

Item #	Description	Part #	Qty
1	swing check body	---	1
2	flapper valve yoke	---	1
3A	valve flapper assembly with silicone seal	use kit 3090RK2	1
3B	valve flapper assembly with metal seal	use kit 3091RK1	1
4	right hand shaft	---	1
5	left hand shaft	---	1
6	left hand spring	use kit 3030RK3	1
7	right hand spring	use kit 3030RK3	1
8	cover gasket silicone	112257	1
9	cover	341611	1
10	bolt	use kit 3030HK	6
11	lock washer	use kit 3030HK	6

Repair Kits

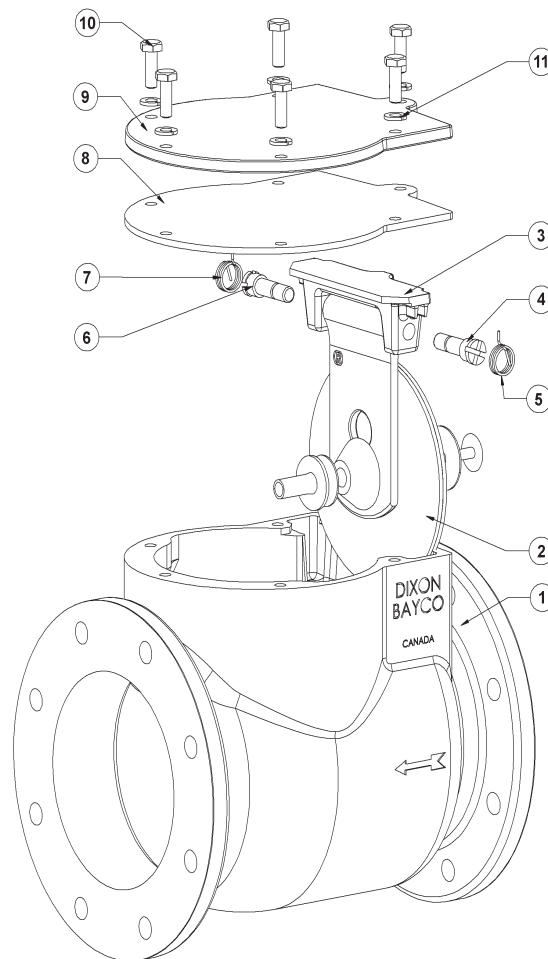
Part #	Description	Includes Item #
3090RK2	complete rebuild kit, silicone flapper assembly, yoke, springs, shafts, cover gasket, bolts, and lock washers (for 3030RD-SSP, 3030SQ-SSP, 3030TE-SSP and 3030VIC-SSP)	2, 3A, 4, 5, 6, 7, 8, 10, 11
3091RK1	complete rebuild kit, metal seal flapper assembly, yoke, springs, shafts, cover gasket, bolts, and lock washers (for 3031RD, 3031SQ, 3031TE and 3031VIC)	2, 3B, 4, 5, 6, 7, 8, 10, 11
3030HK	replacement bolts and lock washers	10, 11
3030RK3	replacement left and right springs	6, 7

Bayco High Flow 4040-Series 4" Swing Check Valves

Round Flange and Threaded Units

Bill of Materials

Item #	Description	Part #	Qty
1	swing check body	---	1
2A	valve flapper assembly white EPDM (4040RD and 4040TE)	use kit 4040RK1	1
2B	valve flapper assembly white metal seal (4041RD and 4041TE)	use kit 4041RK1	
2C	valve flapper assembly red silicone (4042RD and 4042TE)	use kit 4042RK1	
3	flapper valve yoke	---	1
4A	left hand shaft (4040RD and 4040TE)	---	1
4B	left hand shaft (4041RD, 4042RD, 4041TE, 4042TE)	---	1
5A	left hand spring (4040RD and 4040TE)	use kit 3030RK3	1
5B	left hand spring (4041RD, 4042RD, 4041TE and 4042TE)	use kit 4041RK3	1
6A	right hand shaft (4040RD and 4040TE)	---	1
6B	right hand shaft (4041RD, 4042RD, 4041TE and 4042TE)	---	1
7A	right hand spring (4040RD and 4040TE)	use kit 3030RK3	1
7B	right hand spring (4041RD, 4042RD, 4041TE and 4042TE)	use kit 4041RK3	1
8	cover gasket	111215	1
9	cover	340039	1
10	bolt	use kit 3030HK	6
11	lock washer	use kit 3030HK	6



Repair Kits

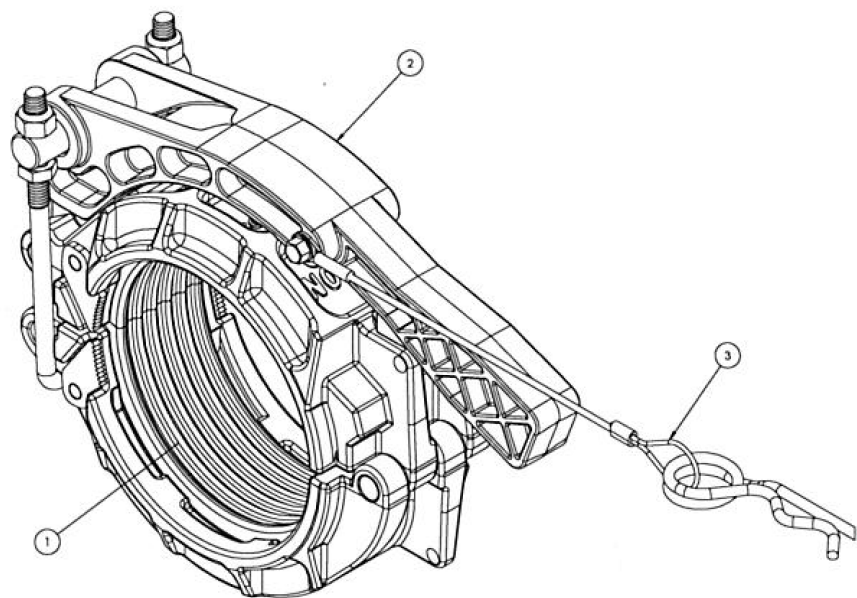
Part #	Description	Includes Item #
4040RK1	replacement white EPDM flapper kit, flapper assembly, yoke, springs, shafts, cover gasket (for 4040RD and 4040TE)	2A, 3, 4A, 5A, 6A, 7A, 8
4041RK1 ¹	complete rebuild kit, metal seat flapper assembly, yoke, springs, shafts, cover gasket, bolts and lock washers (for 4041RD and 4041TE)	2B, 3, 4B, 5B, 6B, 7B, 8, 10, 11
4042RK1 ¹	complete rebuild kit, red silicone flapper assembly, yoke, springs, shafts, cover gasket, bolts and lock washers (for 4042RD and 4042TE)	2C, 3, 4A, 5A, 6A, 7A, 8, 10, 11
3030HK	replacement bolts and lock washers	10, 11
3030RK3	replacement left and right springs (for 4040RD and 4040TE)	5A, 7A
4041RK3	replacement left and right springs (for 4041RD, 4041TE, 4042RD and 4042TE)	5B, 7B

¹ Kits 4041RK1 and 4042RK1 contain 2 sets of shafts and springs. Swing check valves manufactured after March 2007 should use the larger axial shafts and larger torsion springs. Swing check valves manufactured prior to March 2007 will require the use of the shorter axial shafts and the smaller torsion springs.

NOTE: The smaller torsion springs will not return the flappers contained in the 4041RK1 and 4042RK1 kits to a fully closed position if the valve is mounted vertically or upside down. Ensure that these mounting positions are avoided if the smaller springs are used with the 4041RK1 and 4042RK1 kits.



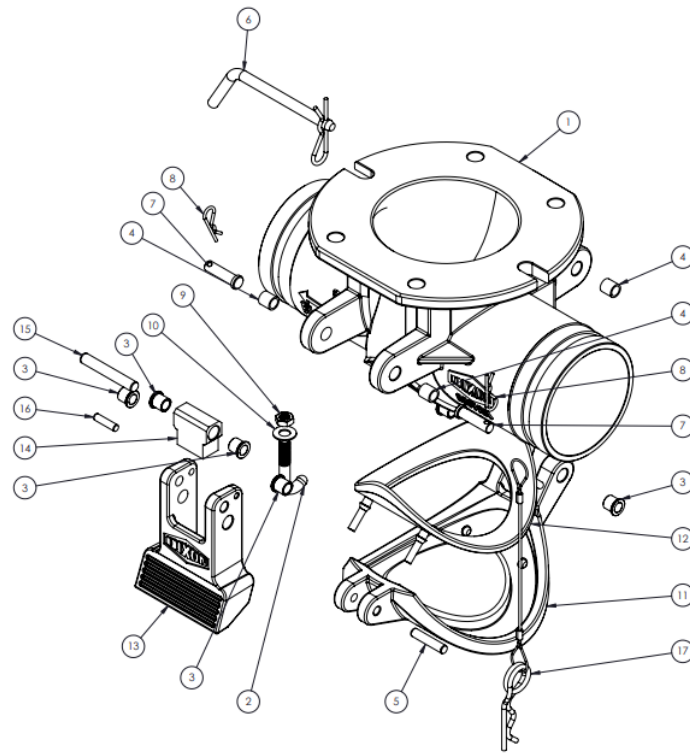
Nylon Quick Connect Clamp



Bill of Materials

Item #	Description	Part #	Qty
1	4" pipe coupler split gasket	40735BN	1
2	handle, 4" pipe coupler, nylon piranha	40771NY	1
3	lanyard and cotter pin assembly	40432	1

Dry Bulk Hopper Tees



Bill of Materials

Item #	Description	Part #	Qty
1	body	---	1
2	latch hook	use kit DB511TA-RK2	1
3	bearing, flanged	use kit DB511TA-RK2 or DB511TA-RK4 (bushing kit)	6
4	bearing	use kit DB511TA-RK4 or DB511TA-RK4 (bushing kit)	4
5	dowel pin, 5/16" x 1.5"	use kit DB511TA-RK1	1
6	clevis pin, bent	use kit DB511TA-RK5	1
7	clevis pin	use kit DB511TA-RK5	2
8	cotter pin	use kit DB511TA-RK5	2
9	nut	use kit DB511TA-RK2	1
10	washer	use kit DB511TA-RK2	1
11	door	use kit DB511TA-RK1	1
12	door gasket	use kit DB511TA-RK1 or DB511TA-RK6 (gasket only)	1
13	latch handle	use kit DB511TA-RK2	1
14	latch cam	use kit DB511TA-RK2	1
15	dowel pin, 3/8" x 2.5"	use kit DB511TA-RK2	1
16	dowel pin, 1/4" x 1.0"	use kit DB511TA-RK2	1
17	lanyard	use kit DB511TA-RK3	1

Repair Kits

Item #	Description	Part #	Qty
3, 5, 11, 12	door assembly	DB511TA-RK1	1
2, 3, 9, 10, 13, 14, 15, 16	latch assembly	DB511TA-RK2	1
17	lanyard	DB511TA-RK3	1
3, 4	bushing kit	DB511TA-RK4	
6, 7, 8	pin kit	DB511TA-RK5	
12	door gasket	DB511TA-RK6	

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4149.....	29	1120/15.....	8	3001SQ-SP.....	14	3180/20.....	6
4155.....	29	1120/18.....	8	3001SQ-SSP.....	14	3180/XX.....	6
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United States

Albany, NY

ph 518.725.0998
178A Corporate Drive
Gloversville, NY 12078
nysales@dixonvalve.com

Atlanta, GA

ph 770.486.9619
101 T.D.K. Boulevard
Suite A
Peachtree City, GA 30269
gasales@dixonvalve.com

Chestertown, MD

ph 800.355.1991
1 Dixon Square
Chestertown, MD 21620
sales@dixonvalve.com

Chicago, IL

ph 630.323.4442
1011 N. Hilltop Drive
Itasca, IL 60143
chsales@dixonvalve.com

Cleveland, OH

ph 330.425.3000
1900 Enterprise Parkway
Twinsburg, OH 44087
ohsales@dixonvalve.com

Dallas, NC

ph 704.376.5755
2925 Chief Court
Dallas, NC 28034
ncsales@dixonvalve.com

Houston, TX

ph 713.678.4291
6525 Homestead Road
Houston, TX 77028
txsales@dixonvalve.com



The Right Connection®

1 Dixon Sq.
Chestertown, MD 21620
Phone: 877.963.4966
Fax: 800.283.4966
Email: sales@dixonvalve.com
dixonvalve.com

connect with us on



Kansas City, MO

ph 816.221.0064
1244 Saline Street
N. Kansas City, MO 64116
kcsales@dixonvalve.com

Salt Lake City, UT

ph 801.972.1180
1820 South 5200 West
Salt Lake City, UT 84104
utsales@dixonvalve.com

Tampa, FL

ph 813.247.3500
5120 Adamo Drive
Suite E
Tampa, FL 33619
flsales@dixonvalve.com

Dixon Divisions

Dixon Bayco

ph 513.874.8499
7280 Union Centre Blvd
West Chester, Ohio 45014

Dixon Boss

ph 800.355.1991
365 Haacke Drive
Chestertown, MD 21620

Dixon Brass

ph 800.323.4440
40 Chestnut Ave.
Westmont, IL 60559

Dixon Fire

ph 877.712.6179
325 Arbor Ct
Winchester, VA 22602

Dixon Quick Coupling

ph 704.334.9175
2925 Chief Court
Dallas, NC 28034

Dixon Sanitary

ph 800.789.1718
N25 W23040 Paul Rd
Suite C
Pewaukee, WI 53072

Dixon Specialty Products

ph 888.226.4673
225 Talbot Blvd
Chestertown, MD 21620

International

Wingfield SA, Australia

ph 61.8.8202.6000
fx 61.8.8202.6099

Edmonton, Alberta, Canada

ph 780.469.5444
fx 780.463.9205

Pointe-Claire, Quebec, Canada

ph 514.695.6142
fx 514.695.7203

Mississauga, Ontario, Canada

ph 905.673.5999
fx 905.673.2454

Preston, England

ph 44.1772.323529
fx 44.1772.314664

Troisdorf-Spich, Germany

ph 49.2241.84406.0
fx 49.2241.8440679

Mexico City, Mexico

ph 52.81.8354.5649
fx 52.81.8354.8197

Monterrey, Mexico

ph 52.81.8354.5649
fx 52.81.8354.8197

Singapore

ph 65.6232.5272
fx 65.6232.5270

Sharjah, United Arab Emirates

ph 971.657.41488
fx 971.657.41484