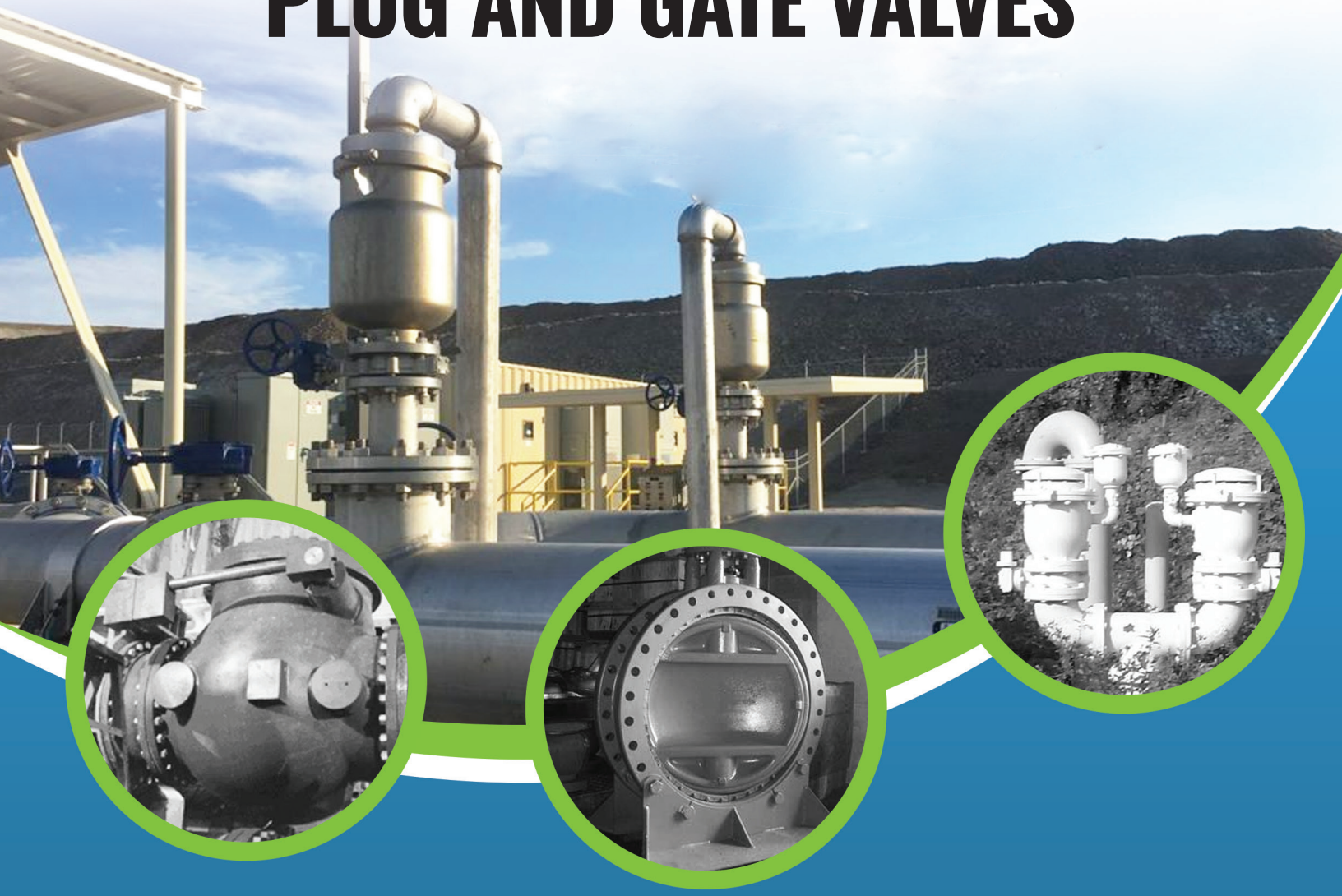
Air Release, Check, Butterfly, Plug & Gate Valves
Crispin
www.crispinvalve.com

PRODUCT OVERVIEW OF AIR RELEASE, CHECK, BUTTERFLY, PLUG AND GATE VALVES



CRISPIN VALVE MANUFACTURING COMPANY

INFO@CRISPINVALVE.COM | WWW.CRISPINVALVE.COM

WELCOME TO THE THE CRISPIN VALVE FAMILY

YOUR ACCESSIBLE, RESPONSIVE, AND CREATIVE SOLUTION PROVIDER

In 1905, Clarence Crispin invented and patented an Air Valve design, and thus Crispin Valve and the Air Valve Industry were born. Today, as a fourth-generation family-owned business, Crispin is a modern, professional company deeply rooted in the traditional values of our early beginnings. But that doesn't mean we're standing still. With our additional valve lines—including Check Valves, KFlo Butterfly and Plug Valves, and Ludlow-Rensselaer Gate Valves—Crispin products are installed throughout both hemispheres, and in almost every country around the world.

With an extensive presence in the municipal water industry, our products are also widely used by industrial, mining, chemical, energy and processing companies. Our customers include some of the world's top corporations—from Walt Disney Co. and Anheuser-Busch to Talen Energy, Xylem, Bechtel, International Paper, Black & Veatch and more. The breadth of our international experience allows us to understand and provide the flexibility that customers around the globe require.

Meanwhile, our municipal client index in the United States includes customers of every size, from major metropolitan areas to small town water systems. Among them can be counted the cities of Los Angeles, New York, Dallas, Philadelphia, New Orleans, Detroit, Tampa and thousands of others.

Regardless of where they are, we make all of our customers the same promise: no other valve company can match our commitment to customer service. We pride ourselves on being the industry's most accessible and responsive manufacturer. Regardless of the challenges presented by your valve project, we have a solution for you. And we'll partner with you every step of the way.

We look forward to putting well over a century of experience to work on your next valve project.

Air Release, Check, Butterfly, Plug & Gate Valves
Crispin
www.crispinvalve.com

Darren Crispin
President/CEO
Crispin Valve

Please note the following abbreviations used for product compliance:

NSF 61: Certified for Drinking Water System Components • **NSF 372:** Certified Lead Free
AIS: American Iron & Steel Act • **BA:** Buy America Act • **BAN:** Buy American Act • **BB:** Build America Buy America

CRISPIN VALVE **SINCE 1905**

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AIR VALVES: CLEAN WATER

Crispin Air Release, Air & Vacuum and Universal Combination Valves meet or exceed ANSI/AWWA C512 Standards. We also offer a wide variety of special materials for our valves. Please feel free to contact our Sales/Customer Service team with any inquiries.

AIR & VACUUM VALVES

A, AL Series

Crispin's original Air & Vacuum Valves, the A and AL Series are designed to exhaust large quantities of air when filling pipelines, and to allow air to re-enter pipelines when draining to prevent collapse due to vacuum formation.

NOMINAL INSIDE DIAMETER	1/2"-24" Sizes Available (NPT or ANSI flanging)

CONSTRUCTION MATERIALS

BODY: Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)
TRIM: Stainless Steel (SS) (T304) **FLOAT**: SS (T304)
BOLTS: SAE J429 Gr 2 Carbon Steel **NUTS**: ASTM 563 Gr A Carbon Steel
SEAT: Buna-N Rubber **PAINT**: Primer EXT.*

PRESSURE RATINGS	20-150psi (standard); 2-40psi (low); 151-300psi (high)

*Optional: 2 part high solids epoxy

NSF 61 AND 372



AIS, BA, BAN, BB AVAILABLE

DEEP WELL AIR VALVES

DL Series

Deep Well Air Valves have an adjustable top which controls the velocity of air discharged from the valve. It also helps prevent chatter, and premature closure of the valve mounted on the discharge side of the pump.

NOMINAL INSIDE DIAMETER	1/2"-6" Sizes Available (NPT or ANSI flanging)

CONSTRUCTION MATERIALS

BODY: Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)
TRIM: SS (ASTM A240) **FLOAT**: SS (ASTM A240)
BOLTS: SAE J429 Gr 2 Carbon Steel **NUTS**: ASTM 563 Gr A Carbon Steel
SEAT: Buna-N Rubber **PAINT**: Primer EXT.*

PRESSURE RATINGS	20-150psi (standard); 2-40psi (low); 151-300psi (high)

*Optional: 2 part high solids epoxy

NSF 61 AND 372



AIS, BA, BAN, BB AVAILABLE

VACUUM RELIEF AIR VALVES

VR Series (Potable)/SVR (Sewage)

Available in both potable and wastewater configurations, the VR and SVR Valves allow air to enter a system when a negative pressure occurs, but prevents air from being released under positive conditions, except through an optional small orifice Air Release Valve.

NOMINAL INSIDE DIAMETER	3"-36" Sizes Available

CONSTRUCTION MATERIALS

BODY: Ductile Iron (ASTM A536 Gr 65-45-12)
TRIM: SS (ASTM A276 T 316) **BOLTS/NUTS**: ASTM 563 Gr A Carbon Steel
SEAT RING: SS (ASTM A351 T 316) **PAINT**: Primer EXT.*

PRESSURE RATINGS	250psi Maximum Working Pressure

*Optional: 2 part high solids epoxy



AIS, BAN AVAILABLE

Note: Materials and prices are subject to change without notice. Metric and special class flange ratings are available.

SURGE CHECK VALVES

SC Series

The SC Series limits the effects of system surge on Air Release Valves.

NOMINAL INSIDE DIAMETER	3”-24” Sizes Available
CONSTRUCTION MATERIALS	
BODY:	Ductile Iron (ASTM A536 Gr 65-45-12)
TRIM:	SS (ASTM A276 T 316)
BOLTS/NUTS:	ASTM 563 Gr A Carb. Steel
SEAT RING:	SS (ASTM A351 T 316)
PAINT:	Primer EXT.* (*2pt HS epoxy opt.)
PRESSURE RATINGS	250psi Maximum Working Pressure



AIS, BAN AVAILABLE

FOOT VALVES

FV Series

Crispin Foot Valves prevent the pump column from draining upon shutdown. Silent during operation, the valve has a center-guided disc with a Buna-N seat to provide a drip tight seal.

NOMINAL INSIDE DIAMETER	2”-24” Sizes Available (NPT or ANSI flanging)
CONSTRUCTION MATERIALS	
BODY:	Ductile Iron (ASTM A536 Gr 65-45-12)
TRIM:	SS (ASTM A276 T 316)
BOLTS/NUTS:	ASTM 563 Gr A Carb. Steel
SEAT RING:	SS (ASTM A351 T 316)
PAINT:	Primer EXT.* (*2 pt HS epoxy opt.)
PRESSURE RATINGS	250psi Maximum Working Pressure



AIS, BAN AVAILABLE

PRESSURE AIR RELEASE VALVES

P, PL Series

Pressure Air Valves are used for the venting of accumulating air while the system is pressurized. Small amounts of air is exhausted during the entire pumping cycle. Sized by Pressure Range.

NOMINAL INSIDE DIAMETER	1”-6” Sizes Available (NPT or ANSI flanging)
CONSTRUCTION MATERIALS	
BODY:	Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)
TRIM:	SS (ASTM A240)
FLOAT:	SS (ASTM A240)
BOLTS:	SAE J429 Gr 2 Carbon Steel
NUTS:	ASTM 563 Gr A Carbon Steel
SEAT:	PVC (ASTM 1784)
PAINT:	Primer EXT.* (*2 pt HS epoxy opt.)
PRESSURE RATINGS	20-150psi (standard); 2-40psi (low); 151-300psi (high)

NSF 61 AND 372



AIS, BA, BAN, BB AVAILABLE

MIDGET PRESSURE AIR RELIEF VALVES

M Series

Midget Air Valves are used on hot, cold and irrigation systems where the venting of small accumulations of air is required while the system is under pressure.

NOMINAL INSIDE DIAMETER	3/8”-1” Sizes Available (NPT threading only)
CONSTRUCTION MATERIALS	
BODY:	Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)
TRIM:	SS (ASTM A240)
FLOAT:	SS (ASTM A240)
BOLTS:	SAE J429 Gr 2 Carbon Steel
NUTS:	ASTM 563 Gr A Carbon Steel
SEAT:	Viton
PAINT:	Primer EXT.* (*2 part HS epoxy opt.)
PRESSURE RATINGS	20-150psi (standard); 2-40psi (low); 151-300psi (high)

NSF 61 AND 372



AIS, BA, BAN, BB AVAILABLE

Note: Materials and prices are subject to change without notice. Metric and special class flange ratings are available.

Crispin Air Release, Air & Vacuum and Universal Combination Valves meet or exceed ANSI/AWWA C512 Standards. We also offer a wide variety of special materials for our valves. Please feel free to contact our Sales/Customer Service team with inquiries.

PRESSURE AIR RELEASE VALVES (AR)

AR Series

Similar in many ways to the Midget Series, the AR Series comes with one orifice rated for 300psi. A more economical option, replacement parts are not offered.

NOMINAL INSIDE DIAMETER	1/2"-3/4"-1" Sizes Available (NPT Flanging Only)

CONSTRUCTION MATERIALS

BODY: Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)
TRIM: SS (ASTM A240)
BOLTS: SAE J429 Gr 2 Carbon Steel
PAINT: Primer EXT.*
FLOAT: SS (ASTM A240)
SEAT: Buna-N Rubber

PRESSURE RATINGS	10-300psi

*Optional: 2 part high solids epoxy



UNIVERSAL AIR RELEASE VALVES

UL Series

These valves perform the function of both Air & Vacuum and Pressure Air Valves, permitting the application of various pressure orifice sizes for a range of air volume requirements under varying pressures. Both NPT screwed and ANSI class flanges available.

NOMINAL INSIDE DIAMETER	1"-4" Sizes Available (NPT or ANSI flanging)

CONSTRUCTION MATERIALS

BODY: Cast Iron (ASTM A126 Class B)
TRIM: SS (ASTM A240)
FLOAT: SS (ASTM A240)
BOLTS: SAE J429 Gr 2 Carbon Steel
NUTS: ASTM 563 Gr A Carbon Steel
SEAT: Buna-N Rubber
PAINT: Primer EXT.*

PRESSURE RATINGS	20-150psi (standard); 2-40psi (low); 151-300psi (high)

*Optional: 2 part high solids epoxy

NSF 61 AND 372



AIS, BA, BAN, BB AVAILABLE

COMBINATION AIR RELEASE VALVES

C Series

Combination Air Valves consist of Air and Vacuum Valves and a Pressure Valve mounted in a single body, providing the integrity of a single body casting while permitting each valve of the combination to operate as a separate unit.

NOMINAL INSIDE DIAMETER	1/2"-24" Sizes Available (NPT or ANSI flanging)

CONSTRUCTION MATERIALS

BODY: Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)
TRIM: SS (ASTM A240)
FLOAT: SS (ASTM A240)
BOLTS: SAE J429 Gr 2 Carbon Steel
NUTS: ASTM 563 Gr A Carbon Steel
SEAT: Buna-N Rubber
PAINT: Primer EXT.*

PRESSURE RATINGS	20-150psi (standard); 2-40psi (low); 151-300psi (high)

*Optional: 2 part high solids epoxy



AIS, BA, BAN, BB AVAILABLE

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DUAL AIR RELEASE VALVES

AL/PL Series

Dual Air Valves are offered with a Pressure Air Valve piped out of the side of an Air and Vacuum Valve, providing a variety of combinations to meet specific air release requirements.

NOMINAL INSIDE DIAMETER	1/2"-24" Sizes Available (NPT or ANSI flanging)

CONSTRUCTION MATERIALS

BODY:	Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)		
TRIM:	SS (ASTM A240)	**FLOAT**:	SS (ASTM A240)
BOLTS:	SAE J429 Gr 2 Carbon Steel	**NUTS**:	ASTM 563 Gr A Carbon Steel
SEAT:	Buna-N Rubber	**PAINT**:	Primer EXT.*

PRESSURE RATINGS	20-150psi (standard); 2-40psi (low); 151-300psi (high)

***Optional: 2 part high solids epoxy**

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AIS, BA, BAN, BB AVAILABLE

X SERIES

UX, PX, AX Series for both Clean and Sewage Applications

Our exclusive X series revolutionizes valve maintenance. All parts are stainless steel and impervious to rust. Instead of a bolted flanged connection, a circular clamp secures the valve head to the body. With Air & Vacuum, Pressure Air Release and Combination assemblies, all feature our Head Exchange System, with head-fixed internals. To clean, loosen the head assembly. Pull out the original head, pop in a spare, and clean the original internals at your leisure.

NOMINAL INSIDE DIAMETER	2"-6" Sizes Available (NPT or ANSI flanging)

CONSTRUCTION MATERIALS

TRIM/FLOAT:	SS (ASTM A240)	**BODY**:	SS (ASTM A351 T316)
BOLTS:	SS (Type 316)	**GASKET**:	Buna-N Rubber
SEAT:	Buna-N Rubber	**NUTS**:	SS (Type 316)

PRESSURE RATINGS	20-200psi



AIS, BA, BAN, BB AVAILABLE



Note: Materials and prices are subject to change without notice. Metric and special class flange ratings are available.

AIR VALVES: SEWAGE

AIR & VACUUM SEWER VALVES

S (A) Series—High Capacity

The valves have a long body with the float near the bottom. The liquid waste containing solids remains low and away from working parts, venting the pipeline when filling, and permitting air to re-enter to relieve a vacuum. This is a higher capacity variant of the SL (A) Series.

NOMINAL INSIDE DIAMETER	2-10” Sizes Available (NPT or ANSI flanging)

CONSTRUCTION MATERIALS*

BODY:	Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)		
TRIM:	SS (ASTM A240)	**FLOAT**:	SS (ASTM A240)
BOLTS:	SAE J429 Gr 2 Carbon Steel	**NUTS**:	ASTM 563 Gr A Carbon Steel
SEAT:	Buna-N Rubber	**PAINT**:	Primer EXT.*

PRESSURE RATINGS	20-150psi (standard); 2-40psi (low); 151-300psi (high)

***Optional-Backflush Attachments; Paint: 2 part high solids epoxy**



AIS, BA, BAN, BB AVAILABLE

AIR & VACUUM SEWER VALVES

SL (A) Series—Standard Capacity

The valves have a long body with the float near the bottom. The liquid waste containing solids remains low and away from working parts, venting the pipeline when filling, and permitting air to re-enter to relieve a vacuum.

NOMINAL INSIDE DIAMETER	2”-4” Sizes Available (NPT or ANSI flanging)

CONSTRUCTION MATERIALS*

BODY:	Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)		
TRIM:	SS (ASTM A240)	**FLOAT**:	SS (ASTM A240)
BOLTS:	SAE J429 Gr 2 Carbon Steel	**NUTS**:	ASTM 563 Gr A Carbon Steel
SEAT:	Buna-N Rubber	**PAINT**:	Primer EXT.*

PRESSURE RATINGS	20-150psi (standard); 2-40psi (low); 151-300psi (high)

***Optional-Backflush Attachments; Paint: 2 part high solids epoxy**



AIS, BA, BAN, BB AVAILABLE

PRESSURE AIR RELEASE SEWER VALVES

S Series—High Capacity

Pressure Air release Valves have a long body to keep liquid waste and solids away from working parts. These valves vent accumulations of air and gas while the system is in operation and under pressure. This is the high capacity version of the SL series.

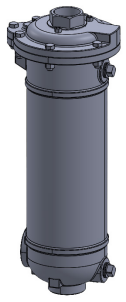
NOMINAL INSIDE DIAMETER	2”-6” Sizes Available (NPT or ANSI flanging)

CONSTRUCTION MATERIALS*

BODY:	Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)		
TRIM:	SS (ASTM A240)	**FLOAT**:	SS (ASTM A240)
BOLTS:	SAE J429 Gr 2 Carbon Steel	**NUTS**:	ASTM 563 Gr A Carbon Steel
SEAT:	PVC (ASTM 1784)*	**PAINT**:	Primer EXT.*

PRESSURE RATINGS	20-150psi (standard); 2-40psi (low); 151-300psi (high)

***Optional-Backflush Attachments; Seat: Stainless Steel (ASTM A582); Paint: 2 part HS epoxy**



AIS, BA, BAN, BB AVAILABLE

Note: Materials and prices are subject to change without notice. Metric and special class flange ratings are available.

Crispin Air Release, Air & Vacuum and Universal Combination Valves meet or exceed ANSI/AWWA C512 Standards. We also offer a wide variety of special materials for our valves. Please feel free to contact our Sales/Customer Service team with any inquiries.

PRESSURE AIR RELEASE SEWER VALVES

SL Series—Standard Capacity

Pressure Air Release Valves have a long body to keep liquid waste and solids away from working parts. These valves vent accumulations of air and gas while the system is in operation and under pressure.

NOMINAL INSIDE DIAMETER	2”-4” Sizes Available (NPT or ANSI flanging)

CONSTRUCTION MATERIALS*

BODY:	Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)		
TRIM:	SS (ASTM A240)	**FLOAT**:	SS (ASTM A240)
BOLTS:	SAE J429 Gr 2 Carbon Steel	**NUTS**:	ASTM 563 Gr A Carbon Steel
SEAT:	PVC (ASTM 1784)*	**PAINT**:	Primer EXT.*

PRESSURE RATINGS	20-150psi (standard); 2-40psi (low); 151-300psi (high)

***Optional-Backflush Attachments; Seat: Stainless Steel (ASTM A582); Paint: 2 part HS epoxy**



AIS, BA, BAN, BB AVAILABLE

COMBINATION SEWER VALVES

US Series—High Capacity

The Universal Sewer Air Release Valve performs the function of both the Air and Vacuum and Pressure Sewer Valves. The US Series is the high capacity version of the USL Series, and is available in single or dual body styles.

NOMINAL INSIDE DIAMETER	2”-6” Sizes Available (NPT or ANSI flanging)

CONSTRUCTION MATERIALS*

BODY:	Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)		
TRIM:	SS (ASTM A240)	**FLOAT**:	SS (ASTM A240)
BOLTS:	SAE J429 Gr 2 Carbon Steel	**NUTS**:	ASTM 563 Gr A Carbon Steel
SEAT:	Buna-N Rubber	**PAINT**:	Primer EXT.*

PRESSURE RATINGS	20-150psi (standard); 2-40psi (low); 151-300psi (high)

***Optional-Backflush Attachments; Paint: 2 part high solids epoxy**



AIS, BA, BAN, BB AVAILABLE

COMBINATION SEWER VALVES

USL Series—Standard Capacity

The Universal Sewer Air Release Valve performs the function of both the Air and Vacuum and Pressure sewer valves. Available in single or dual body styles.

NOMINAL INSIDE DIAMETER	2” Size Available (NPT or ANSI flanging)

CONSTRUCTION MATERIALS*

BODY:	Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)		
TRIM:	SS (ASTM A240)	**FLOAT**:	SS (ASTM A240)
BOLTS:	SAE J429 Gr 2 Carbon Steel	**NUTS**:	ASTM 563 Gr A Carbon Steel
SEAT:	Buna-N Rubber	**PAINT**:	Primer EXT.*

PRESSURE RATINGS	20-150psi (standard); 2-40psi (low); 151-300psi (high)

***Optional-Backflush Attachments; Paint: 2 part high solids epoxy**



AIS, BA, BAN, BB AVAILABLE

Note: Materials and prices are subject to change without notice. Metric and special class flange ratings are available.

CHECK VALVES

Crispin Check Valves meet or exceed ANSI/AWWA C508 Standards. We also offer a wide variety of special materials for our valves. Please feel free to contact our Sales/Customer Service team with any inquiries.

SWING CHECK VALVES

SWL SERIES

The SWL provides an AWWA C-508-1 solution for check valve applications, including sewage and slurry, and is available in Lever/Wt, Lever/Spring, and Oil & Air Cushion configurations.

NOMINAL INSIDE DIAMETER	2”-36” Sizes Available
CONSTRUCTION MATERIALS	
SEAT: SS ASTM A351 & Buna-N	**BODY**: Ductile Iron (ASTM A536 Gr 65-45-12)
BOLTS: ASTM A307 Gr B Carbon Steel	**DISC**: Ductile Iron (ASTM A536 Gr 65-45-12)
PAINT: 2 part high solids epoxy	**NUTS**: ASTM A563 Gr A Carbon Steel
PRESSURE RATINGS	250psi Maximum Working Pressure



AIS, BAN AVAILABLE

SWING CHECK VALVES

SWC SERIES

The SWC series provides an AWWA C-508 solution for more arduous check valve applications, including sewage and slurry. The substantial shaft diameter is ideal for difficult applications where back pressure can reach higher values quickly. Oil & Air Cushion configurations available.

NOMINAL INSIDE DIAMETER	3”-36” Sizes Available; CL 125/150 & CL 250/300
CONSTRUCTION MATERIALS	
BODY:	Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)
SEAT:	Aluminum Bronze (ASTM A271-954) & Buna-N Rubber
DISC:	Ductile Iron (ASTM A536 Gr 65-45-12)
BOLTS:	ASTM A307 Gr B Carbon Steel **NUTS**: ASTM A563 Gr A Carbon Steel
PAINT:	2 part high solids epoxy
PRESSURE RATINGS	3”-12”: 200psi Maximum Working Pressure 14”-36”: 150psi Maximum Working Pressure



AIS, BA, BAN, BB AVAILABLE

RUBBER FLAPPER CHECK VALVES

RF SERIES

A versatile and cost-effective solution, Crispin’s Rubber Flapper Check Valve provides a smaller stroke then conventional swing check valves, reducing slamming while offering a strong and quick seal.

NOMINAL INSIDE DIAMETER	2”-48” Sizes Available
CONSTRUCTION MATERIALS	
BODY: Duct. Iron (ASTM A536 Gr 65-45-12)	**DISC**: Buna-N, Steel & Nylon (ASTM D2000)
BOLTS: ASTM A307 Gr B Carbon Steel	**NUTS**: ASTM A563 Gr A Carbon Steel
PAINT: Primer EXT.*	
PRESSURE RATINGS	250psi Maximum Working Pressure

*Optional: 2 part high solids epoxy

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AIS, BAN AVAILABLE

Note: Materials and prices are subject to change without notice. Metric and special class flange ratings are available.

Crispin Check Valves meet or exceed ANSI/AWWA C508 Standards. We also offer a wide variety of special materials for our valves. Please feel free to contact our Sales/Customer Service team with any inquiries.

GLOBE CHECK VALVES

GC SERIES

Mounted vertically or horizontally, these valves are designed to close before the pump stops, preventing flow reversal and eliminating water hammer and system surges. ANSI Class 150 & Class 300.

NOMINAL INSIDE DIAMETER	2 ½”-36” Sizes Available; CL 150 & 300

CONSTRUCTION MATERIALS

BODY:	Dt. Iron (ASTM A536 Gr 65-45-12)	**SEAT RING**:	SS (ASTM A351 T 316)
DISC:	SS (ASTM A351 T 316)	**TRIM**:	SS (ASTM A276 T 316)
SPRING:	Series 300 SS	**PAINT**:	Primer EXT.*

PRESSURE RATINGS	250psi Maximum Working Pressure

*Optional: 2 part high solids epoxy



AIS, BAN AVAILABLE

WAFER CHECK VALVES

WC SERIES

Wafer Check Valves are designed to close before the pump stops completely. This prevents flow reversal, which eliminates water hammer and the surges associated with check valve closure. Fully automatic, spring-loaded and double-guided, and all internals are field replaceable.

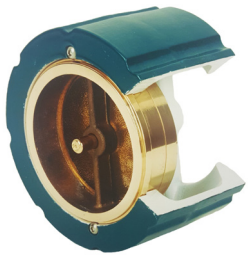
NOMINAL INSIDE DIAMETER	2”-10” Sizes Available

CONSTRUCTION MATERIALS

BODY:	Cast Iron (ASTM A126 Cl B)	**SEAT RING**:	SS (ASTM A351 T 316)
DISC:	SS (ASTM A351 T 316)	**TRIM**:	SS (ASTM A276 T 316)
SPRING:	Series 300 SS	**PAINT**:	Primer EXT.*

PRESSURE RATINGS	250psi Maximum Working Pressure

*Optional: 2 part high solids epoxy



AIS, BAN AVAILABLE

TILTING DISC CHECK VALVES

TD SERIES

The TD Series achieves full flow opening as the disc “tilts” in the flow of the media for an incredibly low opening stroke range, thus reducing water hammer, and opening and closing times critical to controlling flow reversal. Available in both top and bottom mount configurations.

NOMINAL INSIDE DIAMETER	3”-72” Sizes Available; CL 125/250 & CL 250/300 Flanges

CONSTRUCTION MATERIALS

BODY:	Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)		
SEAT:	Alu. Bronze (ASTM A271-954)*	**DISC**:	Duct. Iron (ASTM A536 Gr 65-45-12)*
PIVOT PINS:	Aluminum Bronze*	**BOLTS**:	ASTM A307 Gr B Carbon Steel
NUTS:	ASTM A563 Gr A Carb. Steel	**PAINT**:	2 part high solids epoxy

PRESSURE RATINGS	3”-12”: 200psi Maximum Working Pressure 14”-36”: 150psi Maximum Working Pressure

*Optional-Seat: Stainless Steel; Disc: 3”-10”= Stainless Steel or Bronze, 12” < = Ductile Iron; Pivot Pins: Stainless Steel



AIS, BA, BAN, BB AVAILABLE

Note: Materials and prices are subject to change without notice. Metric and special class flange ratings are available.

KFLO BUTTERFLY VALVES

K-Flo Butterfly Valves meet or exceed ANSI/AWWA C504 Standards. Crispin Valve works with all major actuator manufacturers, and we are capable of mounting any actuators–manual, electric or pneumatic–that our customers may specify.

KFLO BUTTERFLY VALVES

500 Series

The K-Flo 500 series is a heavy-duty, resilient seated butterfly valve line for use in municipal, power and industrial applications. Tested for performance as well as seat and body leakage, all of the valves meet or exceed the latest AWWA C504 standards and requirements. Flanged ends are available on sizes 3" through 20", while mechanical joints are available on sizes 6" thru 20".

NOMINAL INSIDE DIAMETER	3"-20" Sizes Available (FLxFL, MJxMJ, FLxMJ config.)

CONSTRUCTION MATERIALS

BODY: Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)
SEAT: Buna-N Rubber or EPDM **PACKING**: Buna-N Rubber or EPDM
DISC: 3"-8": 316 SS; 10"-20": Duct. Iron (ASTM Gr 65-45-12) with 316 SS Edge
SHAFT: SS (ASTM A276 T 304)* **BEARINGS**: 316 S Steel; TFE Lined
EXT BOLTS: SAE J429 Gr 2 Carbon Steel **EXT NUTS**: ASTM A563 Gr A Carbon Steel

PRESSURE RATINGS	Class 150B and 250B

***Optional-Shaft: 316 SS or 17-4pH SS on Cl 250**

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AIS AVAILABLE
BAN: 10-20" with Traveling Nut Gears

KFLO BUTTERFLY VALVES

47 Series (Mechanical Seat)

The K-Flo 47 Series butterfly valve is a large diameter valve line designed for a variety of liquid and gaseous applications. Available in FL connections thru 168", and MJ connections thru 48".

NOMINAL INSIDE DIAMETER	24"-168" Sizes Available (FLxFL, MJxMJ config.)

CONSTRUCTION MATERIALS

BODY: Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)
SEAT: Buna-N Rubber or EPDM **DISC**: DI (ASTM GR65-45-12) w/316 SS edge
SHAFT: SS (ASTM A276 T 304)* **BEARINGS**: 316 S Steel; TFE Lined
EXT BOLTS: SAE J429 Gr 2 Carbon Steel **EXT NUTS**: ASTM A563 Gr A Carbon Steel

PRESSURE RATINGS	Class 150B and Class 250B

***Optional-Shaft: 316 SS or 17-4pH SS on Cl 250**

NSF 61 AND 372



AIS, BA, BAN, BB AVAILABLE

KFLO BUTTERFLY VALVES

L2 Series (Epoxy Retained Seat)

The L2 Series has an epoxy-retained seat configuration for KFlo large diameter butterfly valves. The seat provides full port flow equal to or greater than all major leading valve designs.

NOMINAL INSIDE DIAMETER	24"-72" in AWWA Cl 75, 150, 250; 78"-168" AWWA Comp.

CONSTRUCTION MATERIALS

BODY: Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)
SEAT: Buna-N Rubber or EPDM **SHAFT**: SS (ASTM A276 T 304)*
BEARINGS: TFE Lined w/Fiberglass backing **DISC**: DI (ASTM GR65-45-12) w/316 SS edge
EXT BOLTS: SAE J429 Gr 2 Carbon Steel **EXT NUTS**: ASTM A563 Gr A Carb Steel

PRESSURE RATINGS	Class 150B and Class 250B

***Optional-Shaft: 316 SS or 17-4pH SS on Cl 250**

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Note: Materials and prices are subject to change without notice. Metric and special class flange ratings are available.

KFLO PLUG VALVES

K-Flo Plug Valves meet or exceed ANSI/AWWA C517 Standards. Crispin Valve works with all major actuator manufacturers, and we are capable of mounting any actuators–manual, electric or pneumatic–that our customers may specify.

KFLO PLUG VALVES

700 Series

The K-Flo 700 series is a rectangular-ported Plug Valve with 100% Full Port in full compliance with AWWA C517 for use in municipal, power and industrial applications. Top and bottom grit seals, adjustable packing, and stainless steel fasteners are all standard. The 700 Series is also available in both flanged and mechanical joint end versions, and is fully piggable.

NOMINAL INSIDE DIAMETER	14”-48” Sizes Available

CONSTRUCTION MATERIALS

BODY:	Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)		
SEAT:	99% Welded Nickel	**PORT**:	100% Full Rectangular Port, 14”-48”
BOLTS:	ASTM A193-B8, Type 304 SS	**NUTS**:	ASTM A194-8, Type 304 SS
BEARINGS:	ASTM A276, Sintered, Gr 316 SS	**PLUG**:	Duct. Iron (ASTM A536 GR65-45-12) Fully Molded Buna-N Rubber

PRESSURE RATINGS	Class 150 and Class 250



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KFLO PLUG VALVES

800 Series

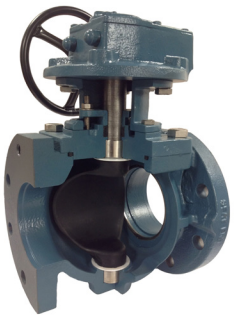
The K-Flo 800 series is a round-ported Plug Valve line in full compliance with AWWA C517 for use in municipal, power and industrial applications.

NOMINAL INSIDE DIAMETER	2 1/2”-12” Sizes Available

CONSTRUCTION MATERIALS

BODY:	Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)		
SEAT:	99% Welded Nickel	**PORT**:	Round Port, Full Flow thru 12”
BOLTS:	ASTM A193-B8, Type 304 SS	**NUTS**:	ASTM A194-8, Type 304 SS
BEARINGS:	ASTM A276, Sintered, Gr 316 SS	**PLUG**:	Duct. Iron (ASTM A536 GR65-45-12) Fully Molded Buna-N Rubber

PRESSURE RATINGS	Class 150 and Class 250



AIS AVAILABLE

KFLO PLUG VALVES

900 Series

The K-Flo 900 series is a rectangular-reduced ported Plug Valve line in full compliance with AWWA C517 for use in municipal, power and industrial applications.

NOMINAL INSIDE DIAMETER	14”-48” Sizes Available

CONSTRUCTION MATERIALS

BODY:	Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)		
SEAT:	99% Welded Nickel	**PORT**:	Rectangular Port, 14” thru 48”
BOLTS:	ASTM A193-B8, Type 304 SS	**NUTS**:	ASTM A194-8, Type 304 SS
BEARINGS:	ASTM A276, Sintered, Gr 316 SS	**PLUG**:	Duct. Iron (ASTM A536 Gr 65-45-12) Fully Molded Buna-N Rubber

PRESSURE RATINGS	Class 150 and Class 250



AIS AVAILABLE

Note: Materials and prices are subject to change without notice. Metric and special class flange ratings are available.

LR GATE VALVES

Crispin's Ludlow-Rensselaer Gate Valves meet or exceed ANSI/AWWA C500 Standards. We also offer a wide variety of special materials for our valves. Please feel free to contact our Sales/Customer Service team with any inquiries.

DOUBLE DISC GATE VALVES

300 Series

Our smaller sized Double Disc Gate Valve configuration, the 3"–12" Series offers the same rugged reliability as our larger models at a competitive price, and in a compact package for small pipeline applications. Double Disc gate valves continue to be the most commonly used mechanisms for on/off service.

NOMINAL INSIDE DIAMETER	3"-12" Sizes Available
CONSTRUCTION MATERIALS	**BODY**: Duct. Iron (ASTM A536 Gr 65-45-12)* **DISCS**: Aluminum Bronze C954 — **PACKING**: O-Ring Buna-N Standard* **BOLTS**: ASTM A193-B8, T 304 SS — **NUTS**: ASTM A194-8, T 304 SS **STEM**: ASTM A276, Gr 304 SS — **PAINT**: 2 part high solids epoxy in/out
PRESSURE RATINGS	Class 150 and Class 250

*Optional-Body: Cast Iron (ASTM A126, Class B); Packing: EPDM

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DOUBLE DISC GATE VALVES

L14 Series

Configurable to sizes large enough to handle any task, the 14"–108" Double Disc Gate Valve series is a heavy-duty solution for flow control. Made from materials befitting their importance in a system, and backed by unrivaled service, L14 Series Valves can easily be operated in any position.

NOMINAL INSIDE DIAMETER	14"-108" Sizes Available
CONSTRUCTION MATERIALS	**BODY**: Duct. Iron (ASTM A536 Gr 65-45-12)* **BOLTS**: ASTM A193-B8, T 304 SS — **NUTS**: ASTM A194-8, T 304 SS **STEM**: ASTM A276, Gr 304 SS* — **GATES**: Duct. Iron (ASTM A536 Gr 65-45-12) **SEATS**: Aluminum Bronze C954 — **PAINT**: 2 part high solids epoxy in/out
PRESSURE RATINGS	Class 150 and Class 250

*Optional-Body: Cast Iron (ASTM A126, Class B); Stem: ASTM B584 Bronze

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RESILIENT WEDGE GATE VALVES

C515 Series

The C515 Series incorporates a fully rubber-sealed wedge to prevent the embedding and buildup of sand and sediment, while the wedge's ductile iron core easily handles changes in pressure and surges. The worry-free design allows for a drip-tight seal.

NOMINAL INSIDE DIAMETER	3"-24" Sizes Available
CONSTRUCTION MATERIALS	**BODY**: Duct. Iron (ASTM A536 Gr 65-45-12) **BOLTS**: ASTM A193-B8, T 304 SS — **NUTS**: ASTM A194-8, T 304 SS **STEM**: 304 SS — **WEDGE**: Duct. Iron (ASTM A536 Gr 65-45-12) and Synthetic Rubber **SEAT**: Aluminum Bronze C954 **PAINT**: 2 part high solids epoxy
PRESSURE RATINGS	Class 150

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Note: Materials and prices are subject to change without notice. Metric and special class flange ratings are available.

SUPPORT VALVES

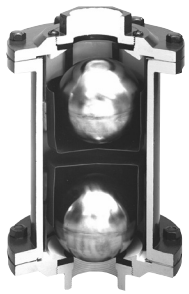
Crispin Air Release, Air & Vacuum and Universal Combination Valves meet or exceed ANSI/AWWA C512 Standards. We also offer a wide variety of special materials for our valves. Please feel free to contact our Sales/Customer Service team with any inquiries.

NEGATIVE PRESSURE VALVES

N Series

The Crispin Negative Pressure Valve is designed to release air automatically from pipeline siphons. With peripherally guided floats, it meets all ANSI/AWWA C-512 standards, and is available in sizes ½" thru 4".

NOMINAL INSIDE DIAMETER	½"-4" Sizes Available
CONSTRUCTION MATERIALS	**BODY**: Cast Iron (ASTM A126 Class B) **SEAT**: Buna-N Rubber **TRIM/FLOAT**: SS (ASTM A240) **GASKET**: Armstrong N-8092 **BOLTS**: Steel (ASTM A307) **NUTS**: Steel (ASTM A563) **PAINT**: Primer EXT.* (*2pt HS epoxy opt.)
PRESSURE RATINGS	20-150psi (standard); 2-40psi (low); 151-300psi (high)



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TANGENTIAL FLOW AIR ELIMINATOR

AE Series

Suited to Hydronic heating systems, petroleum transfer, air & gas lines and irrigation systems, the Tangential Flow Air Eliminator separates large or small quantities of air from liquid systems while the system is in operation. Depending on size, the AE has NPT or flanged connections.

NOMINAL INSIDE DIAMETER	2"-24" Sizes Available
CONSTRUCTION MATERIALS	**BODY**: Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12) **SEAT**: PVC **TRIM/FLOAT**: SS (ASTM A240) **TANK**: ASME Code Carbon Steel **GASKET**: Buna-N Rubber **BOLTS**: Steel (ASTM A307) **NUTS**: Steel (ASTM A563) **PAINT**: Primer EXT.* (*2 part HS epoxy opt.)
PRESSURE RATINGS	125psi Design Pressure



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THERMALLY ACTIVATED VALVE

TAV Series

The TAV offers freeze protection for valves, pipelines and ancillary piping equipment, as well as scald protection for eyewash stations and safety showers. Operating as a steam and drip trap, it also offers steam tracing of valves or pumps by regulating condensate outflow temperature.

NOMINAL INSIDE DIAMETER	½" NPT Inlet/Outlet Size Available
CONSTRUCTION MATERIALS	**BODY**: 303 & 304 SS **SEAT**: High Temperature Teflon® **PLUG**: 316 SS **SPRING**: SS **PLUG HOLDER**: Brass
TEMPERATURE SET POINTS	Freeze Protection: 35 degrees F Steam Application: 180-240 degrees F Scald Protection: 95 to 120 degrees F Heat Tracing: 35 degrees; 100-240 degrees F



AIS, BA, BAN, BB AVAILABLE

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VACUUM PRIMING PUMP

VP/VSL Series

Crispin Vacuum Priming Valves are used in conjunction with a vacuum source when priming a centrifugal pump. It prevents liquid from getting into a vacuum source, and functions as a clean water and sewage priming valve. The VP works in clean water applications, while the VSL provides the same function as the VP, with the exception of an elongated body to handle sewage solids.

NOMINAL INSIDE DIAMETER	VP: 1”-4” Sizes Available; VSL: 2”-4” Available

CONSTRUCTION MATERIALS

VP BODY: Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)
VP TRIM: Bronze and S Steel (Type 304)
VSL BODY: Cast (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)
VSL TRIM: S Steel (Type 304)

PRESSURE RATINGS	Class 150 and Class 250



AIS, BA, BAN, BB AVAILABLE

PUMP PROTECTOR

PP Series

The Crispin Pump Protector helps protect pumps when an application becomes airbound, and can also be used to open or close an electric circuit in an alarm system. Available for both potable water and sewage units. Potable: 1” thru 4” sizes available. Sewage: 2”-4” sizes available.

NOMINAL INSIDE DIAMETER	VP: 1”-4” Sizes Available; VSL: 2”-4” Available

CONSTRUCTION MATERIALS

BODY: Cast Iron (ASTM A126 Cl B) or Ductile Iron (ASTM A536 Gr 65-45-12)
TRIM: SS (Type 304)

PRESSURE RATINGS	Class 150

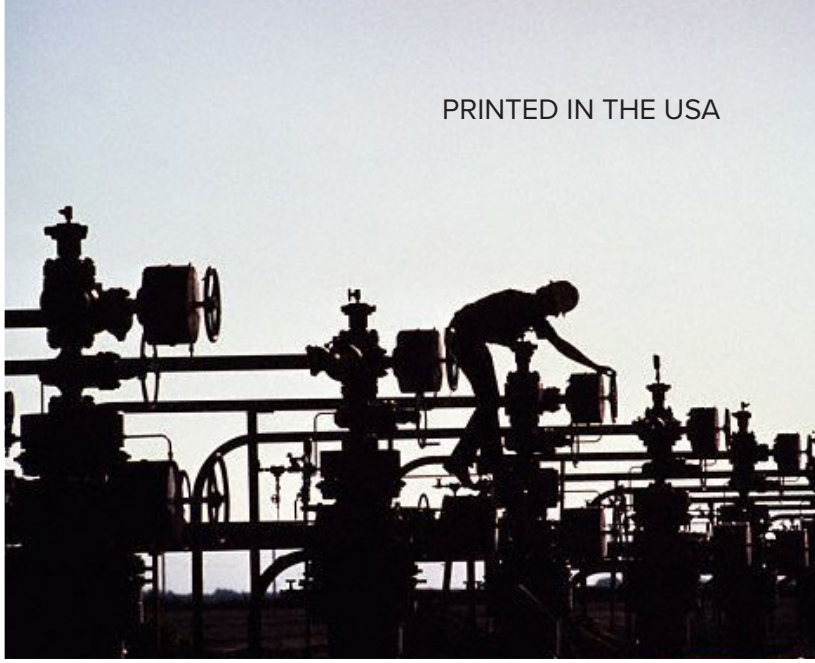


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