
ARNETT
ENGINEERED SOLUTIONS

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APPLICATIONS







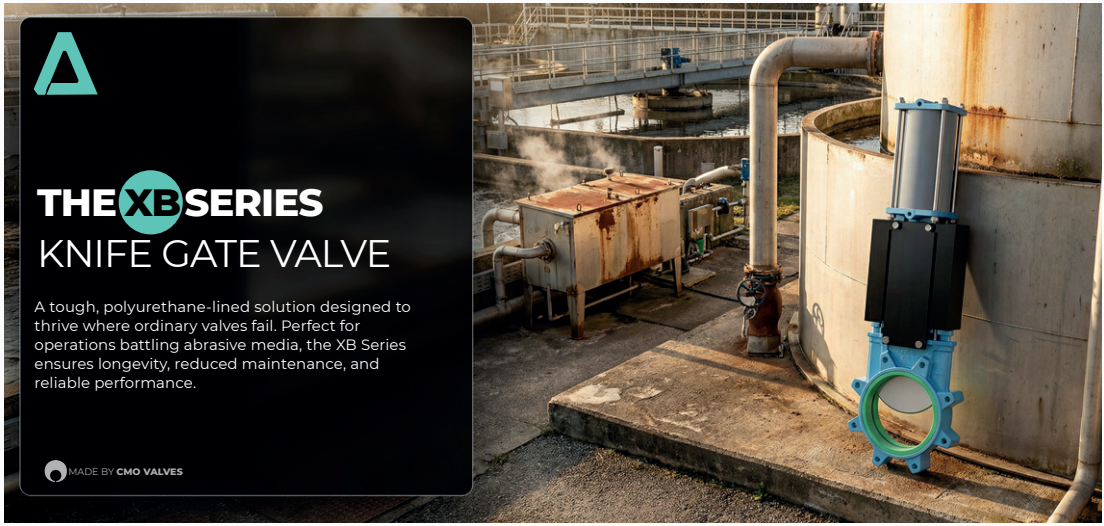












THE XB SERIES
KNIFE GATE VALVE

A tough, polyurethane-lined solution designed to thrive where ordinary valves fail. Perfect for operations battling abrasive media, the XB Series ensures longevity, reduced maintenance, and reliable performance.

MADE BY **CMO VALVES**

SIZES & COATINGS

SIZES
DN50 (2") to DN1200 (48"), larger sizes on request.

STANDARD FACE-TO-FACE:
As per CMO Valves standards, ensuring compatibility and easy installation.

COATINGS
EPOXY coating for corrosion resistance (standard color blue RAL 5015).



PRESSURE RATINGS
WORKING PRESSURE BY SIZE

- 2" - 24" — **145 PSI**
- 28" - 32" — **87 PSI**
- 36" - 40" — **58 PSI**
- 42" - 48" — **44 PSI**
- DN50-DN600 — **10 BAR**
- DN700-DN800 — **6 BAR**
- DN900-DN1000 — **4 BAR**
- DN1050-DN1200 — **3 BAR**

MATERIALS

BODY MATERIALS
Ductile iron (GJS500-7) or stainless steel (CF8M) for enhanced corrosion resistance.

GATE MATERIALS
AISI304 or AISI316 stainless steel, polished to reduce friction.

LINER/SEALING
Polyurethane lining as standard, plus options like Natural Rubber, EPDM, Nitrile, or FKM.



FLANGE COMPATIBILITY

STANDARD DRILLING:
EN1092 PN10 AND ANSI B16.5 (CLASS 150).

OTHER STANDARDS:
(PN6, PN16, PN25, JIS, AUSTRALIAN, BRITISH)
AVAILABLE ON REQUEST



ACTUATION OPTIONS

MANUAL
Handwheel, Chainwheel, Lever, Gearbox.

AUTOMATIC
Pneumatic,Hydraulic, and Electric Actuators.

INTERCHANGEABILITY:
Actuators easily swapped without special tools





THE GD SERIES
KNIFE GATE VALVE

Introduce the GD Series as a versatile, bidirectional valve solution designed for abrasive and heavy solids content fluids, ensuring smooth flow and reliable sealing in a wide range of challenging environments.

MADE BY **CMO VALVES**

SIZES & COATINGS

SIZES
From DN50 (2") up to DN1500 (60") on request.

COATINGS
EPOXY coating for corrosion resistance (standard color blue RAL 5015).

PRESSURE RATINGS
WORKING PRESSURE BY SIZE

- DN1000-DN1200 **6 BAR**
- DN700-DN900 **8 BAR**
- DN200-DN600 **10 BAR**
- DN50-DN150 **16 BAR**
- 40" - 48" **87 PSI**
- 28" - 36" **116 PSI**
- 8" - 24" **145 PSI**
- 2" - 6" **230 PSI**

MATERIALS

BODY MATERIALS
Ductile iron (GJS500-7) or stainless steel CF8M for corrosion resistance.

GATE MATERIALS
AISI304 or AISI316 stainless steel, polished to minimize wear on seals. 2205, 17-4, Alloy 20, 2507, 317L

SEALING MATERIALS
Available in: Natural Rubber, EPDM, Nitrile, Polyurethane, FKM. Replaceable sleeves for easy upkeep.



FLANGE COMPATIBILITY

STANDARD DRILLING:
EN1092 PN10 AND ANSI B16.5 (CLASS 150).

OTHER STANDARDS:
(PN6, PN16, PN25, JIS, AUSTRALIAN, BRITISH)

ACTUATION OPTIONS

MANUAL
Handwheel, Chainwheel, Lever, Gearbox.

AUTOMATIC
Pneumatic Actuators
Hydraulic Actuators
Electric Actuators.





THE GA SERIES
KNIFE GATE VALVE

Engineered for Reliability in Mining, Chemical Processing, Water Treatment, and More.

MADE BY **CMO VALVES**

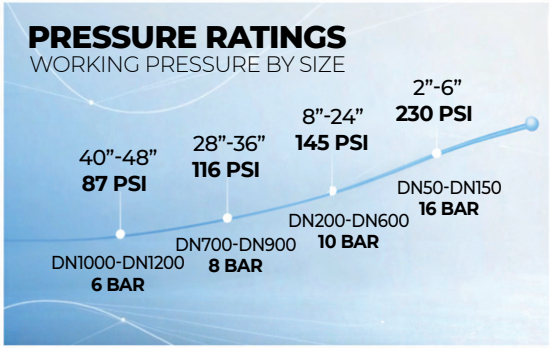
SIZES & COATINGS



SIZES
From DN50 (2") up to DN1500 (60") on request.

COATINGS
EPOXY coating for corrosion resistance (standard color blue RAL 5015).

PRESSURE RATINGS
WORKING PRESSURE BY SIZE



MATERIALS



STANDARD MATERIALS
Body: GJS500-7 Cast Iron or CF8M Stainless Steel.
Gate: AISI304 or AISI316 Stainless Steel
2205, 17-4, Alloy 20, 2507, 317L

OPTIONAL MATERIALS
Carbon Steel (A216WCB), Duplex Stainless Steel, and special alloys.

FLANGE COMPATIBILITY



STANDARD DRILLING:
PN10 and ANSI B16.5 (150 LB)

OTHER STANDARDS:
PN6, PN16, PN25, JIS
*AVAILABLE UPON REQUEST.

ACTUATION OPTIONS



MANUAL
Handwheel,
Chainwheel, Lever,
Gearbox.

AUTOMATIC
Pneumatic Actuators
(up to 10 bar, filtered lubricated air).
Hydraulic Actuators
(standard pressure of 135 bar).
Electric Actuators.

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THE GH SERIES
KNIFE GATE VALVE

Engineered for Demanding Applications in Mining, Power Generation, Water Treatment, and many more.

MADE BY **CMO VALVES**



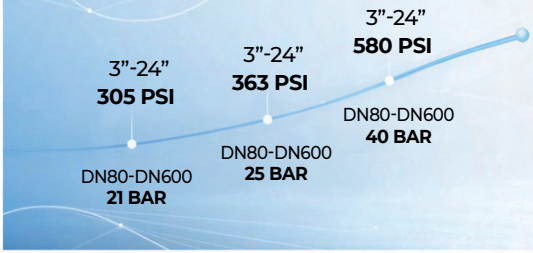
SIZES & COATINGS



SIZES
From DN80 (3") to DN900 (36").

COATINGS
EPOXY coating for corrosion resistance (standard color blue RAL 5015).

PRESSURE RATINGS
WORKING PRESSURE BY SIZE



MATERIALS

BODY MATERIALS
Monoblock cast iron (GJS500-7) for strength and durability. Options for reinforced designs in larger sizes.

GATE MATERIALS
Stainless steel (AISI304 or AISI316), polished to reduce friction and prevent damage. Options for mirror-polished, PTFE-lined, or stellite-treated gates, 2205, 17-4, Alloy 20, 2507, 317L

SEALING MATERIALS
Available in: Natural Rubber ,Polyurethane, EPDM, Nitrile, FKM



FLANGE COMPATIBILITY



STANDARD DRILLING:
PN25, PN40, ANSI B16.5 (150LB, 300LB)

OTHER STANDARDS:
AVAILABLE UPON REQUEST (JIS, AUSTRALIAN, BRITISH)
*AVAILABLE UPON REQUEST.

ACTUATION OPTIONS

MANUAL
Handwheel, Chainwheel, Lever, Gearbox.

AUTOMATIC
Pneumatic Actuators (up to 145 PSI or 10 bar).
Hydraulic Actuators (pressure of 1958 PSI or 135 bar).
Electric Actuators.



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THE T SERIES
KNIFE GATE VALVE

Its unidirectional flow approach makes it perfect for applications where a single, controlled direction of fluid movement simplifies operation and reduces complexity.

MADE BY CMO VALVES

SIZES & COATINGS

SIZES
DN50 (2") to DN1200 (48"), larger sizes on request.

STANDARD FACE-TO-FACE:
As per CMO Valves standards, ensuring compatibility and easy installation.

COATINGS
EPOXY coating for corrosion resistance (standard color blue RAL 5015).

PRESSURE RATINGS
WORKING PRESSURE BY SIZE

- 2"-24" **145PSI**
- 28"-36" **87PSI**
- 40"-48" **58PSI**
- DN50-DN600 **10 BAR**
- DN700-DN800 **6 BAR**
- DN900-DN1200 **4 BAR**

MATERIALS

BODY MATERIALS
Ductile iron (GJS500-7) or stainless steel CF8M for durability and corrosion resistance.

GATE MATERIALS
AISI304 or AISI316 stainless steel, polished to reduce wear.

SEALING MATERIALS
Various elastomers (Natural Rubber, EPDM, Nitrile, 316 stainless steel, FKM) tailored to fluid and temperature.



FLANGE COMPATIBILITY

STANDARD DRILLING:
EN1092 PN10 AND ANSI B16.5 (CLASS 150) STANDARD.

OTHER STANDARDS:
(PN6, PN16, PN25, JIS, AUSTRALIAN, BRITISH)
*AVAILABLE UPON REQUEST.

ACTUATION OPTIONS

MANUAL
Handwheel, Chainwheel, Lever, Gearbox.

AUTOMATIC
Pneumatic, Hydraulic, and Electric Actuators.

INTERCHANGEABILITY:
Simple to replace or upgrade actuators



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CMOVALVES

KNIFE GATE VALVES

A SERIES
UNIDIRECTIONAL
KNIFE GATE VALVE
WAFER DESIGN



APPLICATIONS:
Paper Industry, Mining,
Silo emptying, Chemical plants,
Pumping, Food Industry,
Sewage treatment

SIZES: DN50(2") to DN1200(48")
*Others DN on request

WORKING PRESSURE (ΔP)
10BAR - 3BAR
145 PSI - 44 PSI
*Others pressures on request.

AB SERIES
BIDIRECTIONAL
KNIFE GATE VALVE
WAFER DESIGN



APPLICATIONS:
Pulp and paper, Chemical Plants,
Food Industry, Pumping, Water
treatment (clean and waste)

SIZES: DN50(2") to DN600(24")
*Others DN on request

WORKING PRESSURE (ΔP)
10BAR - 3BAR
145 PSI - 44 PSI
* Others pressures on request.



AD SERIES
UNIDIRECTIONAL
KNIFE GATE VALVE

APPLICATIONS:
Mining, Pulp and paper, Silo
Emptying, Chemical Plants,
Pumping, Food Industry,
Sewage treatment.

SIZES: DN80(3") to DN1200(48")
*Others DN on request

WORKING PRESSURE (ΔP)
10BAR - 3 bar
145 PSI - 44 PSI

* Others pressures on request.

B SERIES
BIDIRECTIONAL
KNIFE GATE VALVE
WAFER DESIGN



APPLICATIONS:
Mining, Pulp and paper, Effluent
handling plants, Chemical Plants,
Food and beverage,
Sewage applications,
Chemical plants.

SIZES: DN50(2") to DN600(24")
*Others DN on request

WORKING PRESSURE (ΔP)
10BAR - 3 bar
145 PSI - 44 PSI
* Others pressures on request.

C SERIES
SQUARE UNIDIRECTIONAL
KNIFE GATE VALVE



APPLICATIONS:
Paper Industry,
Chemical plants,
Food Industry,
Bulk transport

SIZES: DN125 x 125 to
DN1400 x 1400.
5" x 5" to 56" x 56"
*Other DN on request

WORKING PRESSURE (ΔP)
STANDARD 0,6 bar / 8,7 psi
* Other pressures on request

D SERIES
UNIDIRECTIONAL
GATE VALVE



APPLICATIONS:
Drying plants, Paper industry,
Water Treatment,
Chemical Plants, Food sector,
Mining, Sludge, Oil extraction

SIZES: DN50(2") to
DN1200(48")
*Others DN on request

WORKING PRESSURE (ΔP)
36PSI - 1450PSI
* Others pressures on request.

ARNETT
ENGINEERED SOLUTIONS

CMO VALVES

KNIFE GATE VALVES

E SERIES
UNIDIRECTIONAL
KNIFE GATE VALVE
WAFER DESIGN

APPLICATIONS:
Paper recycling, pulp facilities and in general, sites that work with hard particles such as metal pieces (staples, clips, etc) and stones.

SIZES: DN50(2") to DN1200(48")
*Others DN on request

WORKING PRESSURE (ΔP)
7BAR - 4BAR
102 PSI - 58 PSI
*Others pressures on request.



F SERIES
UNIDIRECTIONAL KNIFE GATE VALVE
WAFER DESIGN

APPLICATIONS:
Mining, Chemical plants,
Silo emptying, Food Industry.

SIZES: DN50(2") to DN1200(48")
*Others sizes on request

WORKING PRESSURE (ΔP)
10BAR - 3BAR
145 PSI - 44 PSI
*Others pressures on request.





K SERIES
UNIDIRECTIONAL
KNIFE GATE VALVE

APPLICATIONS:
Paper Industry, Mining,
Chemical plants, Food Industry,
Pumping, Silo emptying,
Sewage treatment

SIZES: DN50(2") to DN2000(80")
*Others DN on request

WORKING PRESSURE (ΔP)
10BAR - 2BAR
145 PSI - 30 PSI
*Others pressures on request.

L SERIES
BIDIRECTIONAL
KNIFE GATE VALVE

APPLICATIONS:
Paper Industry, Mining,
Chemical plants, Food Industry,
Pumping, Silo emptying,
Sewage treatment

SIZES: DN50(2") to DN2000(80")
*Others DN on request

WORKING PRESSURE (ΔP)
10BAR - 2BAR
145 PSI - 30 PSI
*Others pressures on request.



U SERIES
UNIDIRECTIONAL WAFER TYPE
KNIFE GATE VALVE

APPLICATIONS:
Paper Industry, Sewage treatment,
Mining, Pumping, Silo emptying,
Food Industry

SIZES: DN50(2") to DN800(32")
*Others DN on request

WORKING PRESSURE (ΔP)
10BAR - 3BAR
145 PSI - 44 PSI
*Others pressures on request.



UB SERIES
BIDIRECTIONAL WAFER TYPE
KNIFE GATE VALVE

APPLICATIONS:
Drying plants, Paper Industry,
Sewage treatment, Chemical plants,
Food industry, Mining, Oil extraction,
Sludge

SIZES: DN50(2") to DN2000(80")
*Others DN on request

WORKING PRESSURE (ΔP)
10BAR - 2BAR
145 PSI - 30 PSI
*Others pressures on request.



ARNETT
ENGINEERED SOLUTIONS

CHECK VALVES

SWING TYPE CHECK VALVE

MANUFACTURED IN MANY MATERIALS AS WELL AS PRESSURE RATINGS AND FLANGE CONNECTIONS.
AVAILABLE FOR GENERAL PURPOSE APPLICATIONS AND ALSO WITH SPRING LOADED FLAP.

LITTLE DIMENSIONS AND LOW WEIGHTS, LOW HEAD LOSSES.
LEAKAGE:- ACCORDING TO EN 12266-1 RATE A WITH SOFT SEAT,- ACCORDING TO EN 12266-1 RATE E WITH METAL SEAT / PTFE.
FACE TO FACE ACCORDING TO DIN EN 558 SERIES 97
(SERIES 96 ONLY FOR DN125/300 ANSI 300)



SERIES	TYPE	DN	Pmax	VACUUM	FLANGES
GS	011, 015, 095	DN40(1,6")-600(24") DN40(1,6")-300(12")	25 BAR/ 36PSI 52 BAR/754 PSI	Y Y	PN 6-25 A150 A300



R SERIES

WAFER DISC CHECK VALVE

APPLICATIONS:
Paper Industry, Chemical plants., Pumping, Sewage treatment

SIZES: DN50(2") to DN1200(48")
*Others DN on request

WORKING PRESSURE (ΔP)
40BAR - 16 BAR
580PSI - 230 PSI
* Others pressures on request.



DISC TYPE CHECK VALVE

THESE SERIES IS COMPOSED OF VALVES MADE IN DIFFERENT CONFIGURATIONS FOR DIFFERENT APPLICATIONS, FROM LOW PRESSURES UP TO 160 BAR.

SERIES	TYPE	DN	Pmax	VACUUM	FLANGES
GA	015	DN15(0,5")-80(3")	52BAR/754PSI	Y	PN 6-40 A150-300
GA	015	DN100(4")	52BAR/754PSI	Y	PN 10-40 A150-300
GB	015	DN15(0,5")-80(3")	52BAR/754PSI	Y	PN 6-40 A150-300
GB	015	DN100(4")	52BAR/754PSI	Y	PN 10-40 A150-300
GB	023	DN15(0,5")-100(4")	6BAR/90PSI	Y	PN 6-40 A150-300
GN	011, 015, 095	DN15(0,5")-100(4")	52BAR/754PSI	Y	PN 10-40 A150-300
GN	091	DN15(0,5")-80(3")	52BAR/754PSI	Y	PN 10-40 A150-300
GT	011, 015, 095	DN15(0,5")-100(4")	160BAR/2321PSI	Y	PN 63-160 A600-900
GT	091	DN15(0,5")-80(3")	160BAR/2321PSI	Y	PN 63-160 A600-900
GH	011, 015	DN125(5")-200(8")	52BAR/754PSI	Y	PN 10-25 A150

ARNETT
ENGINEERED SOLUTIONS

BUTTERFLY VALVES

SOFT SEATED BUTTERFLY VALVES

PD, KI, KA and KX series are designed to fit in industrial applications

from powder conveyance to marine and petrochemical requirements.



SOFT SEAT
KX - KA SERIES

KX SERIES WAFER TYPE
DN50-250 @ 25BAR FLANGE: PN20
2"–10" @ 360 PSI, ANSI CLASS 150

KX SERIES LUG TYPE
DN50-200 @ 25BAR FLANGE: PN20
2"–10" @ 360 PSI, ANSI CLASS 150

KA SERIESWAFER & LUG TYPE
DN40-800 @ 20BAR FLANGE: PN 6/10/16
1½"–32" @ 290 PSI, ANSI CLASS 150

KI - PD SERIES

KI SERIES WAFER & LUG TYPE

DN40-500 @ 16BAR	1½"–20" @ 230 PSI, ANSI CLASS 150	FLANGE: PN 10/16
DN600-800 @ 10BAR	24"–32" @ 145 PSI, ANSI CLASS 150	FLANGE: PN 6/10/16

PD SERIES WAFER & LUG TYPE

DN80-500 @10BAR	3"–20" @145 PSI, ANSI CLASS 150	FLANGE: PN 6/10/16
DN600-800 @6BAR	24"–32" @ 85 PSI, ANSI CLASS 150	FLANGE: PN 6/10/16

KI - PD - KA - KX SERIES ARE MANUFACTURED IN DIFFERENT VERSIONS AND MATERIALS FOR WORKING PRESSURES FROM 6 TO 25 BAR / 85 to 360 PSI

HIGH PERFORMANCE
HD SERIES

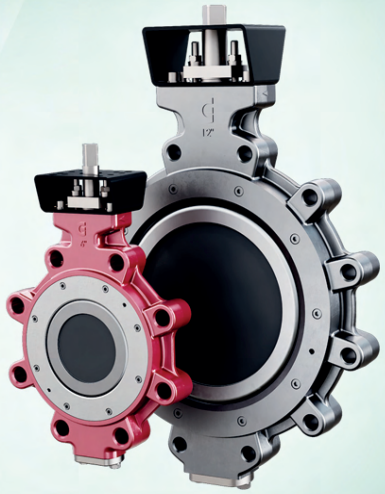
SPECIFICALLY DESIGNED FOR HIGH DEMANDING APPLICATIONS WHERE THE VALVE PERFORMANCE IS CRITICAL.

AVAILABLE IN DIFFERENT MATERIALS AND RATINGS.

THE FIRE SAFE VERSION IS FIRE TESTED TO API607-6TH ED

HD SERIES WAFER & LUG TYPE

DN40-600 @ 25BAR FLANGE: PN 10/16/25
1½"–24" @ 360 PSI, ANSI CLASS 150, ANSI CLASS 300



ARNETT
ENGINEERED SOLUTIONS

BUTTERFLY VALVES

PTFE SEATED
TT SERIES

SPECIFICALLY DESIGNED FOR THE CHEMICAL INDUSTRY AND HEAVY DUTY APPLICATIONS.

AVAILABLE IN A WIDE RANGE OF MATERIALS COMBINATIONS.

TT SERIES WAFER AND LUG TYPE

DN50-600 @6-16BAR FLANGE: PN 10/16
2"–24" @ 85–230 PSI, ANSI CLASS 150





LONG LIFE TIME OF THE VALVES

POSSIBILITY TO USE SMALLER ACTUATORS

GUARANTEE ECONOMICAL AND SPACE ADVANTAGE.

RUBBER INFLATABLE SEATED VALVE
FOR ABRASIVE APPLICATION
DL SERIES

Rubber inflatable seated valve:
for abrasive application

Created for bulk handling: in which the disc geometry is studied to permit low torque open/close.

The lower friction disc/seat: highly reduces heavily wear of the seats over time.

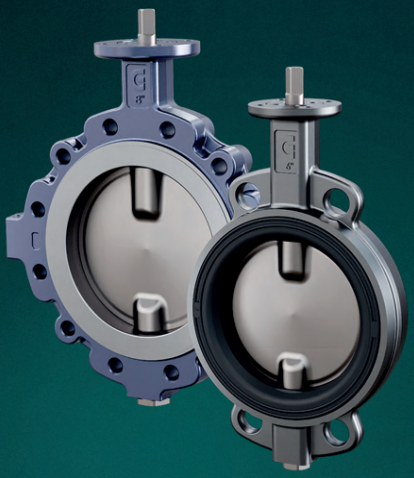
Easy installation: with pre-packaged actuating solution

ABRASIVE AND CORROSIVE APPLICATIONS
PD SERIES

PD (PowDers) series is a rubber seated valve created for bulk handling.
In which the disc geometry is studied to permit low torque open/close and reduce heavily wear of the seats over time.

Increased lifetime of the valves
and permit use of smaller actuators, with **considerable economical and space advantage.**

High temperature silicon backed fluoro-polymer seat **guarantee high performances also in demanding applications.**



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ENGINEERED SOLUTIONS

TRINOVA

PINCH VALVES



OPEN FRAME PINCH VALVE

ONE-PIECE STEM REDUCES FRICTION AND WEAR.

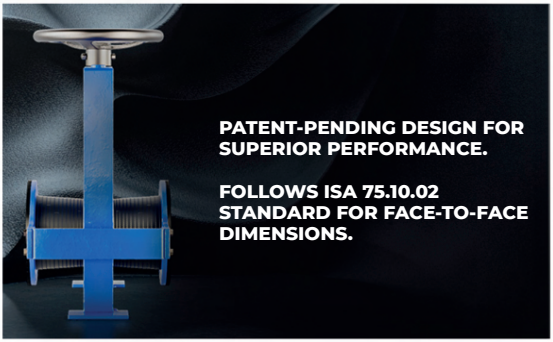
QUICK-RELEASE RAILS SIMPLIFY SLEEVE REPLACEMENT AND MAINTENANCE.

- **Open Body**: Standard & high-pressure.
- **ANSI B16.10 lengths**: Compatible with gate, plug, ball valves.
- **Extended Sleeve:** Longer lifespan, less stress.
- **Frame**: Carbon steel or stainless steel.
- **Closure**: Manual (center-line) or automated (single pinch).

FEATURES

- **100% Full Port:**
  No clogging, minimal pressure drop.
- **Stem Protector option.**
- **Elastomer Sleeve**:
  Only part contacting fluid; various materials.
- **Leak-tight bi-directional closure.**
- **Flanges**: ANSI 125/150#, ANSI 300#, DIN.
- **Integral Elastomer Flanges**: Flat-faced design.





PATENT-PENDING DESIGN FOR SUPERIOR PERFORMANCE.

FOLLOWS ISA 75.10.02 STANDARD FOR FACE-TO-FACE DIMENSIONS.

ACTUATION OPTIONS

MANUAL
Handwheel,
Chainwheel, Lever,
Gearbox.

AUTOMATIC
Pneumatic Actuators
Hydraulic Actuators
Electric Actuators.



ARNETT
ENGINEERED SOLUTIONS

TRINOVA

PINCH VALVES



CLOSED BODY
PINCH VALVE

Bi-directional: Suitable for on/off and throttling.

Clog-resistant: 100% full bore, self-cleaning, no turbulence.

Enclosed body protects sleeve from external conditions.

Sleeve is the only part exposed to the fluid - no additional mechanical parts.

FEATURES

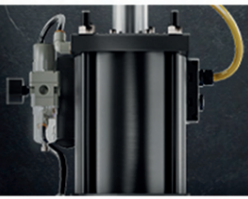
Single or double pinch closure. Environmentally friendly - no packing required.

Quick sleeve replacement reduces downtime and costs.

Face-to-face length compatible with gate, plug, and ball valves **up to 6"/DN150.**

ACTUATION OPTIONS

Manual and pneumatic (single and double acting) actuators.
Electric and hydraulic actuators available upon request.



CONTROL
PINCH VALVE

Bi-directional: Suitable for on/off and throttling.

Body: Fabricated steel (AIS optional).

Clog-resistant: 100% full bore, self-cleaning, no turbulence.

Enclosed body protects sleeve from external conditions.

Sleeve is the only part exposed to the fluid - no additional mechanical parts.

ANSI #150 / ANSI #300 compliant.



FEATURES

Double pinch closure standard; single pinch on request.

Quick sleeve replacement: reduces downtime and costs.

Actuators: Pneumatic (single/double acting); Electric/hydraulic upon request.

Manual/bevel gear operation available on request.

Longer face-to-face design: enhances modulating performance.

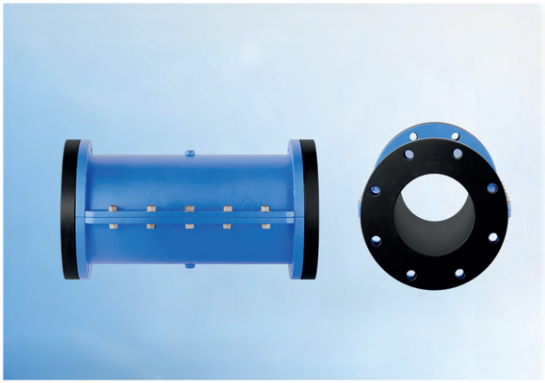
Suitable for vacuum operation.



ARNETT
ENGINEERED SOLUTIONS

TRINOVA

PINCH VALVES & SLEEVES



AIR PINCH VALVE

A reliable on/off valve suitable for various processes. It consists of two identical body halves (cast or fabricated) and a rubber sleeve sealed with gaskets, eliminating air leaks.

Tube and shell design: Bi-directional for low-pressure on/off applications; housing acts as actuator.

Flanges: NSI 125/150 lb or DIN drilling.

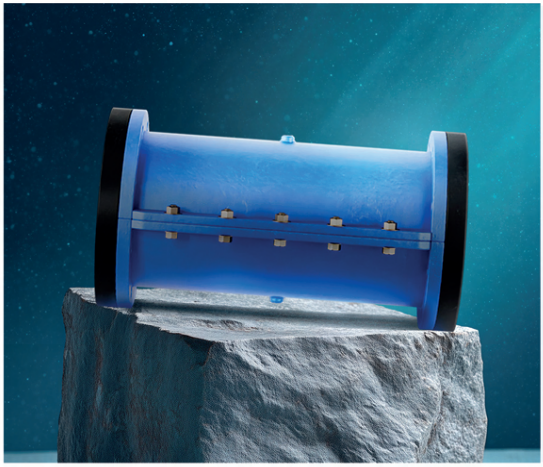
Bodies: Cast iron, fabricated steel, aluminum available.

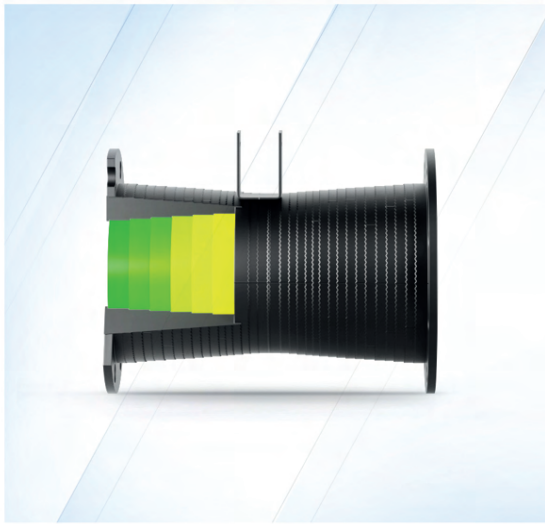
FEATURES

RUGGED, LIGHTWEIGHT, ECONOMICAL. 100% FULL PORT PREVENTS CLOGGING, TURBULENCE, AND PRESSURE DROPS.

SLEEVE MATERIALS: PGR, EPDM, NEOPRENE, BUNA-N, OTHERS ON REQUEST.

- Cost-effective automation:
  Suitable as a basic control valve.
- Only rubber sleeve exposed to fluid.
- Operable under vacuum conditions.
- Integral flat-faced elastomer flanges.
- Installable in any orientation.





PINCH VALVE SLEEVES

Trinova pinch valve sleeves are U.S.-made, designed for demanding media, especially highly abrasive flows.

Trinova leverages 30+ years of expertise in elastomer products.

Size: 1" - 48" / DN25-DN1200

Type: Full Port, Cone, Cone Funnel, High Pressure.

Materials of Construction:
PGR, EPDM, SBRT, Neoprene, Buna-N, Viton, Teflon liner, and others on request.

Sleeve Wear Sensor Feature:
available for all sleeve configurations.

POLARIS
PUMPS
ORIGINAL SOLUTIONS. NO COMPROMISES.

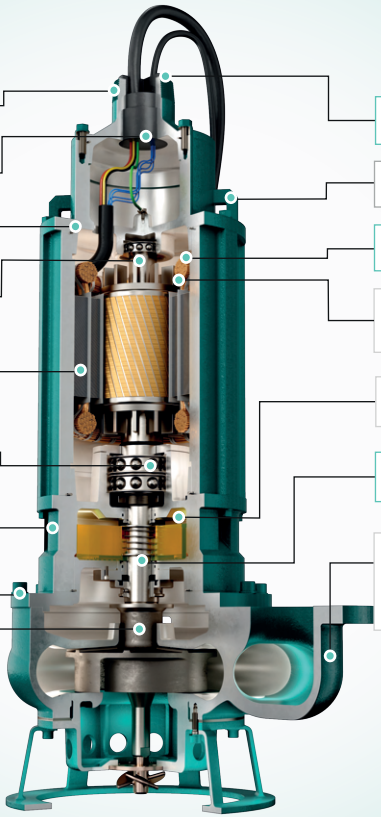
SUBMERSIBLE **SLURRY PUMPS**



ARNETT ENGINEERED SOLUTIONS

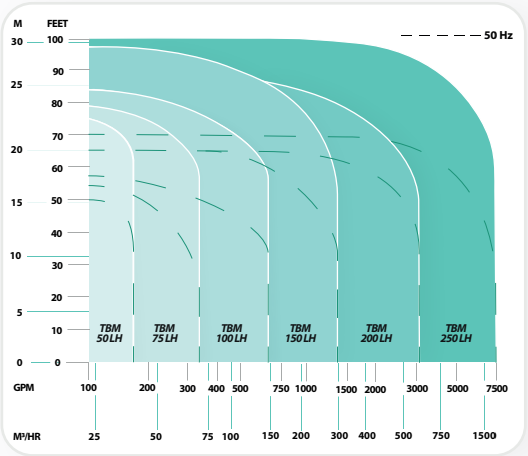
POLARIS PUMPS

SUBMERSIBLE PUMPS

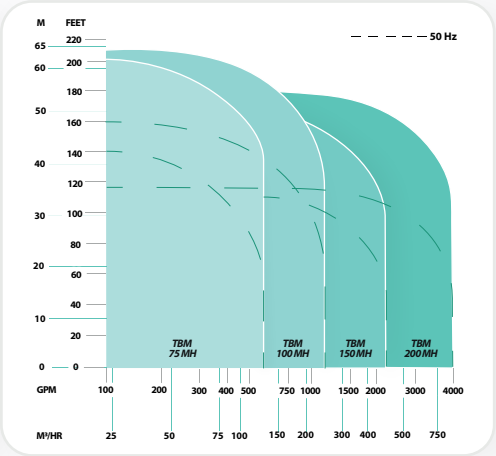


- External Thread Boss for Conduit or Additional Cable Seal
- Epoxy-Potted Spliced Control Wires
- O-Ring Sealed Motor Housing
- 416 Stainless Shaft (17-4 PH, 316 SS optional)
- Machined Housing with Pressed In and Pinned Stator Core for Uniform Heat Transfer
- Lifetime Sealed Heavy-Duty Ball Bearings
- Heavy-Duty Cast Iron Motor Housing
- Standard Stainless Steel Fasteners (A4-70, A2-70, 316 SS)
- Standard 17-4 PH Wet End Components (Alloy 2205 optional)
- Rubber Compression Cable Entry Seal
- Integral Lifting Lugs (Lifting Bail optional)
- 2 Motor Thermostats for Overload Protection
- Class F Insulation (Class H and 90°C High-Ambient optional)
- Dual Moisture Sensors
- Standard Internal Run-Dry TC/TC Slurry Seal
- Modular Wet End (High Chrome Iron/CD4MCu) with Kits: Open-Suction, Solids Mixer, Shredder

SERIES TBM
LOW-HEAD HYDRAULIC COVERAGE



SERIES TBM
MEDIUM-HEAD-HYDRAULIC COVERAGE

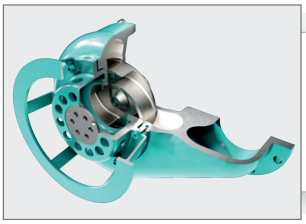


ARNETT
ENGINEERED SOLUTIONS

POLARIS
PUMPS

SUBMERSIBLE PUMPS

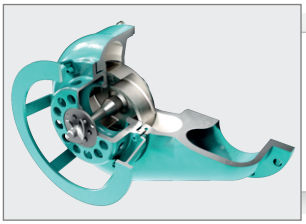
A COMPLETE LINE OF WET ENDS





Polaris Model PHO™ Standard Open Suction

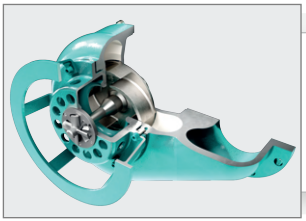
Hard-metal strainer and open impeller for heavy-duty pumping and dewatering without solids mixing.





Polaris Model PBO™ Solids Mixer Option

Hard-metal strainer, solids mixer, and open impeller for heavy-duty pumping of solids-rich materials.

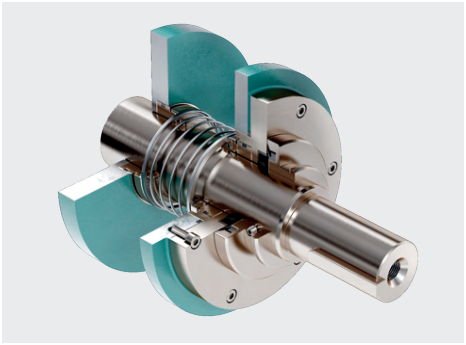




Polaris Model PVO™ Shredder Option

Hard-metal shredder and open impeller for pumping fibrous materials, yard waste, food processing, slaughterhouse waste, or recycling.

MOTOR SEAL



POLARIS INTERNAL SLURRY SEAL™
CONTINUOUS RUN DRY CAPABLE

- Heavy-duty mechanical seal protects motor from abrasive slurries.
- Back-to-back seals in oil bath; no external cooling needed.
- Clog-free design without exposed springs, keys, or shrouds.
- Tungsten Carbide seal faces; 316 stainless hardware.

ARNETT ENGINEERED SOLUTIONS

POLARIS PUMPS

OPTIONS & ACCESORIES

SLURRY HOSE PACKAGES



WATER COOLING JACKET

For hot sump or low level sump applications with air exposure longer then 15 minutes



HIGH CHROME ELBOW



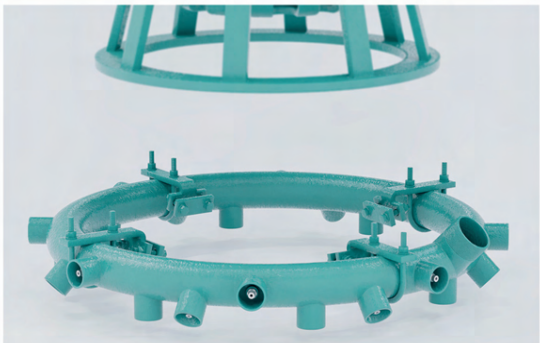
LIFTING BAIL

The Polaris Lifting Bail makes lifting a pump safe and easy.



BARGES





WATER JET RING

For applications with heavy solids content, or sump clean up with settled and caked sump floors.

MOISTURE SENSOR RELAY

Detect Moisture before it gets to your motor.

The Moisture Sensor Relay helps you detect moisture before it has a chance to infiltrate electric motor.

Note: A moisture sensor relay and motor overload protection must be installed and be operational at all times to validate pump warranty.



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TAZA Polymer® POLYMERS















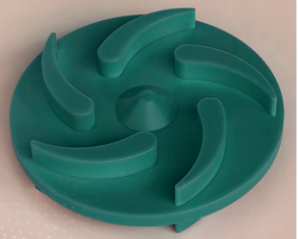
ARNETT
ENGINEERED SOLUTIONS

TAZA Polymer® POLYMERS

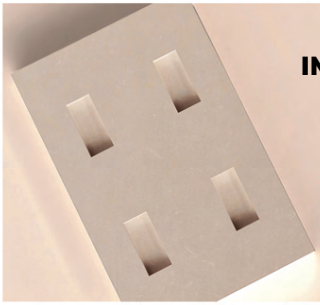
TROMMEL SCREEN



IMPELLER



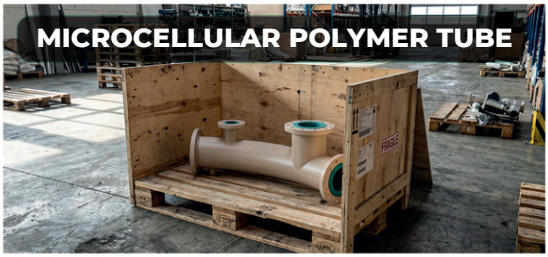
MAGNETIC IMPACT PLATE



URETHANE LINE PIPE



MICROCELLULAR POLYMER TUBE



PIPE INSERT



POLYURETHANE BELT CLEANER



VOLUTE LINER



VERTICAL PUMP CASING



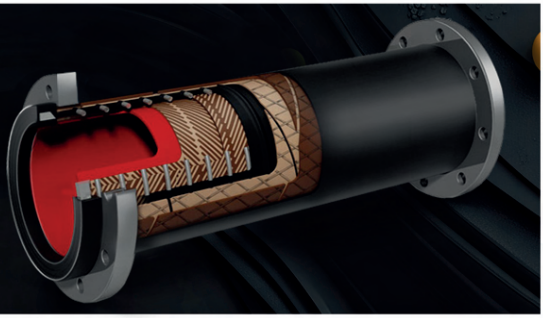
ARNETT
ENGINEERED SOLUTIONS

ARNETT HOSES

DREDGER HOSE

Supplies all the major dredge mining operations with high-quality, heavy-duty dredge hoses.

These hoses are available with a variety of innerwear liners and liner thicknesses, depending on the dredging conditions.



LARGE BORE RUBBER HOSE



Custom-manufacturing to suit your application's requirements

Large bore hoses up to 1 200 mm internal diameter

Pressure ratings up to 4 000 kPa

Operating temperature range from
- 40° to 150° C

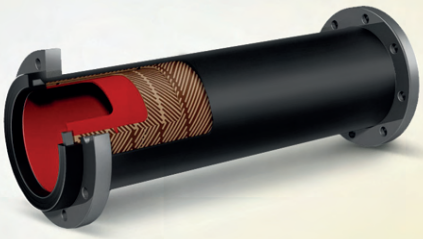
SUCTION AND DELIVERY HOSE

A multipurpose hard wall hose for both suction and delivery of weak acids, alkalis, slurry and water, etc.

Incorporating a high tensile wire helix embedded into the carcass of the hose preventing the hose from kinking.



PULP AND SLURRY HOSE



Pulp and slurry hoses are available in hard wall and soft wall and are **manufactured to withstand suction and delivery of typical materials such as coal, copper, iron, phosphate concentrates, limestone, lead, zinc, nickel, bauxite and sands.**

Large-diameter pulp and slurry hoses are constructed with UV and weather-resistant outer covers.

ARNETT
ENGINEERED SOLUTIONS

ARNETT HOSES

RUBBER REDUCER

Rubber reducers for applications that require a hose or distance piece to be reduced from one size on a pipeline to a smaller size on the other side.



MONITOR GUN HOSE



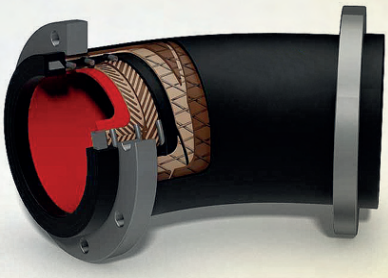
Up to 40 Bar WP Double flanged for high-end loads. Humps for external abrasion resistance. High tensile strength.

SELF FLOATING HOSE

Specifically manufactured for applications whereby a self-floating hose is required in a dredging or tailings dam application.



RUBBER HOSE BENDS



Hose bends are designed for sharper bend radius applications created by limited space.

The correct liner and pressure rating, with an additional liner on the outer arc, can cost-effectively increase the bend's lifespan.

These high-performance hose bends are used extensively in mining, and marine applications.

ARNETT BOOKLET

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ARNETT ENGINEERED SOLUTIONS

61 INNOVATION DRIVE, BAMBERG, SC 29003

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