



RAS / AQUACULTURE

**Coreline**

Product presentation

Danish Manufacturer

High-quality  
and engineering



[www.coreline.dk](http://www.coreline.dk)



# INDHOLD

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# WE LIVE FOR VALVES

Coreline is a different player in the Danish market. We don't just sell valves and ball valves. We also design, develop, and manufacture ball valves, butterfly valves, check valves, and assembly solutions at our own factory. With decades of experience in the industry, we ensure the highest possible quality and longevity of our products. This is a crucial parameter in our DNA.

At Coreline, we have high ambitions. We aim to deliver the best valves and continuously develop our range to achieve the highest possible standards in the market. At our workshop in Fredericia, we assemble and test each delivery. No goods leave our warehouse without inspection. We always strive for the shortest possible delivery time. With a large inventory, we usually offer next-day delivery.

Additionally, we have added new, patented details to our products, providing your company with the best and most sustainable solution. We have all the certificates and approvals expected, but perhaps more importantly, we have undergone audits. Large, recognized companies in the global market have approved Coreline based on in-depth reviews of, among other things, products, quality management, personnel conditions, and environmental policy.

Our skilled staff, who are specialists in valves and accessories, are always ready to advise and serve you. Use our extensive product knowledge and technical expertise to get serious advice on the most optimal solutions. We take pride in providing you with the best service around the clock, so the industry can keep running. With a focus on delivery reliability, product quality, and competitive prices, we look forward to a dialogue about a good collaboration.

## Coreline A/S



Tommy Knudsen  
General Manager

Ole Bjørn Jensen  
Owner

Henrik Pilborg Fritsche  
Owner

Allan Kristensen  
Owner

# BALL VALVES


Degreasing for oxygen installations optional.

**Fig.120 | 2pc thread ends ball valve**

**Connection:** Threaded ends BSPP - ISO228/1. Alternative NPT, BSPT  
**Size range:** ¼" - 3"  
**Pressure rating:** ¼" - 2": PN63  
 2 ½" - 3": PN40  
**Face to face:** DIN3202 M3  
**Body:** Stainless steel SS316  
**Seat:** PTFE  
**Operation:** L-handle with or without safety lock  
 Alternatively with T-handle



- Standard DIN3202 M3 face to face dimension.
- Full bore for better Kv/Cv value.
- Anti-blow out stem design.

CE SIL  ATEX, CE, SIL and EU1935/2004 (European food approval) for Coreline ball valves.

**Fig.125 | 2pc thread ends ball valve with ISO5211 top flange**

**Connection:** Threaded ends BSPP - ISO228/1. Alternative NPT, BSPT  
**Size range:** ½" - 3"  
**Pressure rating:** ½" - 2": PN63  
 2 ½" - 3": PN40  
**Pressure rating:** DIN3202 M3  
**Body:** Stainless steel SS316. Other materials available on request  
**Seat:** PTFE. Other materials available on request RPTFE  
**Operation:** Hand lever, pneumatic actuator, electric actuator  
**Top flange:** ISO5211



- Standard DIN3202 M3 face to face dimension.
- Full bore for better Kv value.
- Solid ball for high performance tasks.
- Anti-static devices for ball - stem - body.
- Blow-out proof stem.
- Pressure relief hole in ball slot.
- ISO5211 direct mounting pad for easy automation.

CE  SIL  ATEX, CE, SIL and EU1935/2004 (European food approval) for Coreline ball valves.



Documentation and reliable delivery  
are a given at Coreline.

**Fig.17N | Wafer ball valve**

**Connection:** Flanged ends according to EN1092-1  
**Size range:** DN15 - DN150  
**Pressure rating:** DN15 - DNS0: PN16/PN40  
 DN65 - DN150: PN16  
**Body:** Stainless steel, carbon steel  
**Seat:** PTFE. Alternative RPTFE, TFM1600  
**Top flange:** ISO5211  
**Operation:** Hand lever, pneumatic actuator, electric actuator

- Anti-static devices for ball - stem - body.
- Blow-out proof stem.
- Pressure relief hole in ball slot.

CE Ex SIL ATEX, CE, SIL and EU1935/2004



“We deliver reliable solutions, tailored to our customers’ needs.”

# BUTTERFLY VALVES

Butterfly Valves can optional be delivered in C4 or C5 coated body.

**Fig.211 | Rubber seat butterfly valve**

**Fig.211M | Rubber seat butterfly valve - Marine approved**

- Connection:** Wafer, lug
- Size range:** DN25-DN300
- Pressure rating:** 16 BAR: DN25-DN150  
10 BAR: DN200-DN300
- End connection:** EN1092 PN6, PN10, PN16  
ANSI B16.5 Class150  
JIS B2239 10K, 16K  
BS10 Table D, Table E
- Face to face:** EN558 Series 20, API 609 Table 1
- Tightness test:** ISO 5208 rate A, API 598 table 5 (medium: water)
- Body:** GGG40, CF8M, CF8
- Disc:** SS316, SS304, SS201, 2507/2205, Nylon/Halar coated DI, C95800
- Seat:** NBR, EPDM, FPM



- Cost-effective standard butterfly valve with high-quality surface finish.
- Patented stainless steel washer and screws secure the spindle against blowout.
- Seat on a rigid support ring offers several advantages: tight tolerances, suitability for vacuum applications, and no seat displacement during installation.
- Patented solution for positioning of a manual handle or identification number.



ISO 5211 mounting flange and square spindle enable actuator mounting without the use of brackets or couplings.

A patented drainage groove on the mounting flange protects the actuator against potential leakage.

A patented stainless steel washer and screws secure the spindle against blowout.

Patented solution for positioning of a manual handle or identification number.

RPTFE + graphite bushings provide excellent support during valve operation, especially in automated applications with frequent cycling.

Square engagement between disc and spindle ensures secure torque transmission.

The seat on a rigid support ring offers several advantages: tight tolerances, suitability for vacuum applications, and no seat displacement during installation.

Multi-standard fixing holes center the valve between the following flange standards: EN 1092 PN10, PN16; ASME B16.5 Class 150; JIS B 2239 10K, 16K; BS 10 Table D, Table E.

**Fig.223/224 | Rubber seat butterfly valve**

**Connection:** Fig. 223 wafer, Fig. 224 lug  
**Size range:** DN25–DN2000  
**Pressure /**  
**Vacuum:** Vacuum: 0.001 bar absolute  
 16 bar: DN25–DN200  
 10 bar: DN250–DN2000  
**Face-to-face**  
**dimension:** EN 558 Series 20, API 609 Table 1  
**Body material:** GGG40 ductile iron, stainless steel  
**Disc:** SS201, SS304, SS316, SS316L, C95800,  
 C95400, Hastelloy C, EN 1.4410, EN 1.4529  
**Seat:** NBR, EPDM-H, VITON-A (oil, acids, alkalis),  
 VITON-B (steam), Hypalon, PTFE

The handle can be supplied in SS316.



The gearbox can be supplied with a C4 or C5 coated housing, with screws and spindle in SS316.



A nylon disc is available as an option.



- Heavy-duty spindle (certified steel) with position indicator.
- ISO 5211 mounting flange and square spindle allow actuator mounting without the use of brackets or couplings.
- A patented drainage groove on the mounting flange protects the actuator against potential leakage.
- Patented stainless steel washer and screws secure the spindle against blowout.
- U-lip seals protect the internal components from the atmosphere.
- Patented solution for positioning of a manual handle or identification number.
- RPTFE + graphite bushings provide excellent support during valve operation, especially in automated applications with frequent cycling.
- Secondary O-ring sealing at the upper and lower spindle provides additional protection against leakage.
- Square engagement between disc and spindle ensures secure torque transmission.
- Seat on a rigid support ring offers several advantages: tight tolerances, suitability for vacuum applications, and no seat displacement during installation.
- Streamlined disc (certified steel) provides improved Kv values and reduced turbulence.
- Unique patented seat design reduces operating torque and extends service life. Fewer shutdowns and improved total cost of ownership (applies up to DN300 for model 223 only).
- Patented solution with reinforced bushing at the disc pivot point reduces friction and ensures perfect centering.
- Multi-standard fixing holes center the valve between the following flange standards: EN 1092 PN10, PN16; ASME B16.5 Class 150; JIS B 2239 10K, 16K; BS 10 Table D, Table E.
- Plug with O-ring eliminates leakage and protects the internal components from the atmosphere.

# KNIFE GATE VALVES

**Fig.41C | Knife Gate Valves**

<b>Size range:</b>	DN50-DN600
<b>Pressure rating:</b>	PN2,5-PN40
<b>Face-to-face dimension:</b>	Depending on version
<b>Materials:</b>	Cast iron, ductile iron, stainless steel, Duplex, Super Duplex
<b>Sealing materials:</b>	NBR, EPDM, PTFE, metal
<b>Tightness:</b>	Unidirectional, bidirectional
<b>Operation:</b>	Handwheel, pneumatic, electric, hydraulic

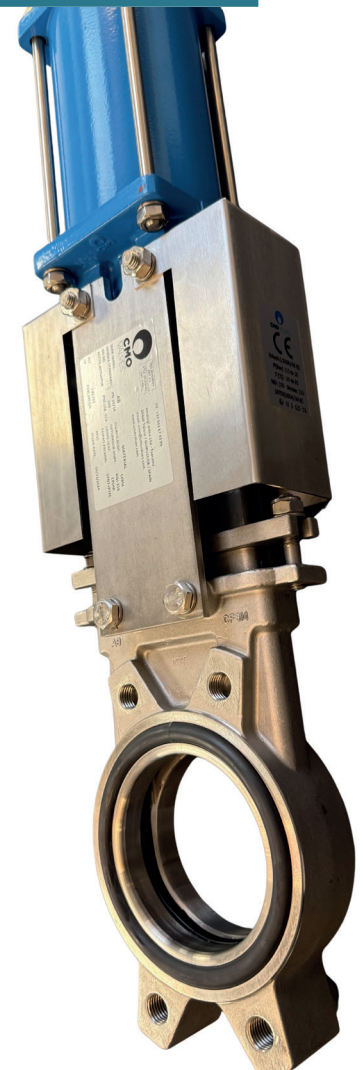


# FISH-FRIENDLY KNIFE GATE VALVES

**Fig.41D | Fish-friendly knife gate valves**

<b>Connection:</b>	Lug
<b>Nominal diameter:</b>	DN50-DN1000
<b>Standard differential pressure:</b>	10bar for DN50-DN250 6bar for DN300-DN400 5bar for DN450 4bar for DN500-DN600 2bar for DN700-DN1000
<b>Flange connection:</b>	EN 1092 PN10, PN16; ASME B16.5 Class 150
<b>Body:</b>	Steel, stainless steel, and special materials
<b>Gate:</b>	Stainless steel and special materials
<b>Seat:</b>	EPDM, metal
<b>Packing / seals:</b>	PTFE / synthetic fibers, PTFE, graphite, ceramic
<b>Operation:</b>	Handwheel, gearbox, pneumatic actuator, electric actuator, hydraulic actuator

- Optimal fish welfare and smooth flow passage.
- Full bore design for optimum flow capacity.
- Simple, compact design with short face-to-face length, reducing the load on the piping system.
- Automatic scraping function for impurities ensures good sealing performance.
- The gate is polished on both sides to prevent sticking or damage to the seals.
- The bottom of the gate is machined to provide a knife-edge effect that cuts through the medium and ensures improved sealing in the closed position.
- Various seat designs available for different applications.
- On request, the gate thickness or gate material can be modified for applications involving higher temperatures or higher pressures.



“Products with long service life and innovative solutions tailored to your needs.”



# ACTUATORS

**Fig.540 | Double acting pneumatic actuator**  
**Fig.541 | Spring return pneumatic actuator**

**Principle:** Rack and Pinion  
**Output/ 6bar:** 7Nm to 9300Nm for Fig.540  
 6Nm to 3800Nm for Fig.541  
**Operating temp.:** -20°C ~ +80°C : standard (NBR O-ring)  
 -40°C ~ +80°C : Low temperature (Silicone O-ring)  
 -20°C ~ +150°C: High temperature (FPM O-ring)  
**Air supply:** 2,5 bar - 8 bar

- CE, ATEX, and SIL certifications on all actuators
- ISO 5211, VDE/VDI, and NAMUR interfaces
- Visual indicator prepared for inductive switch as standard
- Rotation angle adjustable  $\pm 4^\circ$  at  $0^\circ$  and  $90^\circ$
- Patented pistons for extended service life
- Mounted on ISO 5211 top flange

 **CE SIL** ATEX, CE and SIL

Our actuators can be delivered full SS316 or PTFE coated with SS316 bolting and stem.



PVC version with SS316 spindle and screws.

Actuators can be supplied as standalone units.



# ELECTRIC ACTUATORS

All electric actuators can be supplied with a C4 coated housing, SS316 screws, and a spindle coated with Dacromet.

**Fig.555 | Electric actuator**

**Torque:** 30Nm - 6000Nm  
**Ambient temperature:** -25 ~ +70°C  
**Shell:** IP67. NEMA 4 og 6  
 Optional: IP68, Exd II CTS  
**Voltage:** 220VAC/1ph (Standard)  
 380V/440V 3ph, 50/60Hz, ±10%  
 24/110/220VDC  
**Limit switch:** 2 × open/close, SPDT, 250VAC 10A  
**Auxiliary limit switch:** 2 × open/close, SPDT, 250VAC 10A  
**Travel (Standard):** Standard 90° ± 10°; 0° ± 270° on request



**Fig.556 | Compact electric actuator**

**Torque:** 30Nm - 5000Nm  
**Ambient temperature:** -25 ~ +70°C  
**Shell:** IP67. NEMA 4 and 6  
**Voltage:** 220VAC/1ph (Standard);  
 380V/440V 3ph, 50/60Hz, ±10%  
 24/110/220VDC  
**Limit switch:** 2 × open/close, SPDT, 250VAC 10A  
**Auxiliary limit switch:** 2 × open/close, SPDT, 250VAC 10A  
**Travel:** Standard: 90° ± 10°; 0° ± 270° on request.



“The best solutions with many features and high quality.”



# CHECK VALVES

**Fig.63M | Dual plate check valve**

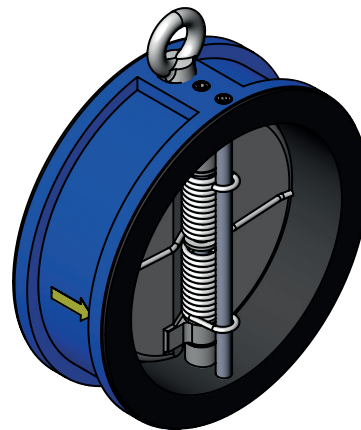
**Connection:** Wafer  
**Size range:** DN50–DN2000  
**Pressure rating:** 16 bar: DN50–DN600  
 10 bar: DN700–DN2000  
**Body material:** Cast iron, ductile iron, steel, stainless steel  
**Disc:** Steel, SS304, SS316, SS316L, C95400, C95800  
**Seat:** NBR, EPDM, FPM, metal  
**Spring:** SS316, Inconel

**Features:**

- Short face-to-face length.
- Low weight, 80–90% lighter than traditional designs.
- Low opening pressure due to spring-loaded double-door design.
- Dual shafts that stabilize the discs at high flow rates.
- Standard epoxy surface coating.
- Special surface coatings available on request.
- Long springs for improved performance.



Check valve with C5 coated body, EPDM seat and the rest of the parts in SS316 as standard.



**Fig.614/615 | Thin wafer check valve**

**Model:** Wafer. Fig. 614 without spring, Fig. 615 with spring  
**Flange connection:** EN 1092-1 PN10 / PN16 / PN25 / PN40;  
 ASME B16.5 Class 150  
**Size range:** DN40–DN1000  
**Pressure rating:** DN40–DN200: 16 bar  
 DN250–DN1000: 10 bar  
**Face-to-face dimension:** Industrial standard  
**Body:** Galvanized steel, stainless steel, aluminium/bronze, super duplex  
**Disc:** SS201, SS304, SS316, C95400, C95800, 2507  
**Seat:** NBR, EPDM, FPM, PTFE, metal



## PVC VALVES



“We offer a wide range of standard PVC valves, which are among the most commonly used in the aquaculture industry.

Let’s find the right solutions together.”

# DESIGN SUPPORT AND OPTIMIZATION

Do you want to make your next process installation smoother, smarter, and more efficient? At Coreline, we help customers across industries select the right valves and actuators — providing expert guidance on space-saving design, durability, and performance. From concept to completion, we ensure your system runs flawlessly. Let's discuss your upcoming project and show how Coreline can create real value for your operations.

# TECHNICAL SUPPORT FOR MAINTENANCE, SERVICE, AND SUPPORT

At Coreline, our commitment goes beyond delivery. We understand that correct installation and commissioning are crucial for system reliability. That's why we offer on-site inspection and verification of valve and actuator setups, ensuring compliance with process specifications, correct signal calibration, torque settings, and safety positioning. Our goal is to proactively eliminate the risk of malfunctions, unplanned downtime, or operational inefficiencies.

Many possibilities,  
we provide guidance.



**Coreline builds strong relationships  
with our customers based on  
delivering quality and reliable  
advice every single time.**

# HOW WE JOINTLY INCREASE YOUR COMPETITIVENESS

In all projects, we will always work with the customers to align expectations and ensure that the conditions where the valves are to be used are considered correctly for the solutions we suggest.

Assembly and testing takes place at our own workshop in Fredericia when all parts are made available.

We do not always in our own range have all solutions, and therefore we utilise our vast knowledge and support of our network of suppliers.

## JOIN THE WORKSHOP

In our workshop, we carry out and check all tasks to ensure functionality and that we keep, what we promise. In interaction with the rest of our organization, the workshop function enables us to partly provide you qualified advice but also technical sparring for all types of special solutions.

Together, we focus on increased competitive opportunities with a focus on operationally reliable solutions, a large readiness in relation to service as well as competitive prices at all times.

Contact us for serious and trustworthy sparring on phone 92441690 or mail@coreline.dk





## CORELINE A/S

Take us just for the valves, but we can do so much more than that!

At Coreline, we are specialists in valves. Constant focus on quality and well-educated employees make us an attractive and preferred business partner at all times and supplier. A product never stands alone. Therefore, expect lots of know-how, trustworthy sparring and a business partner who focuses on the best solution for you.



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