
Control your flow
AFFCO Flowcontrol
General Introduction
AFFCO
16
CL150
CF8M
160529
AFFCO VALVE

AFFCO Global

AFFCO Flow Control
SHANGHAI

AFFCO Flow Control
SINGAPORE

AFFCO Flow Control
EUROPE

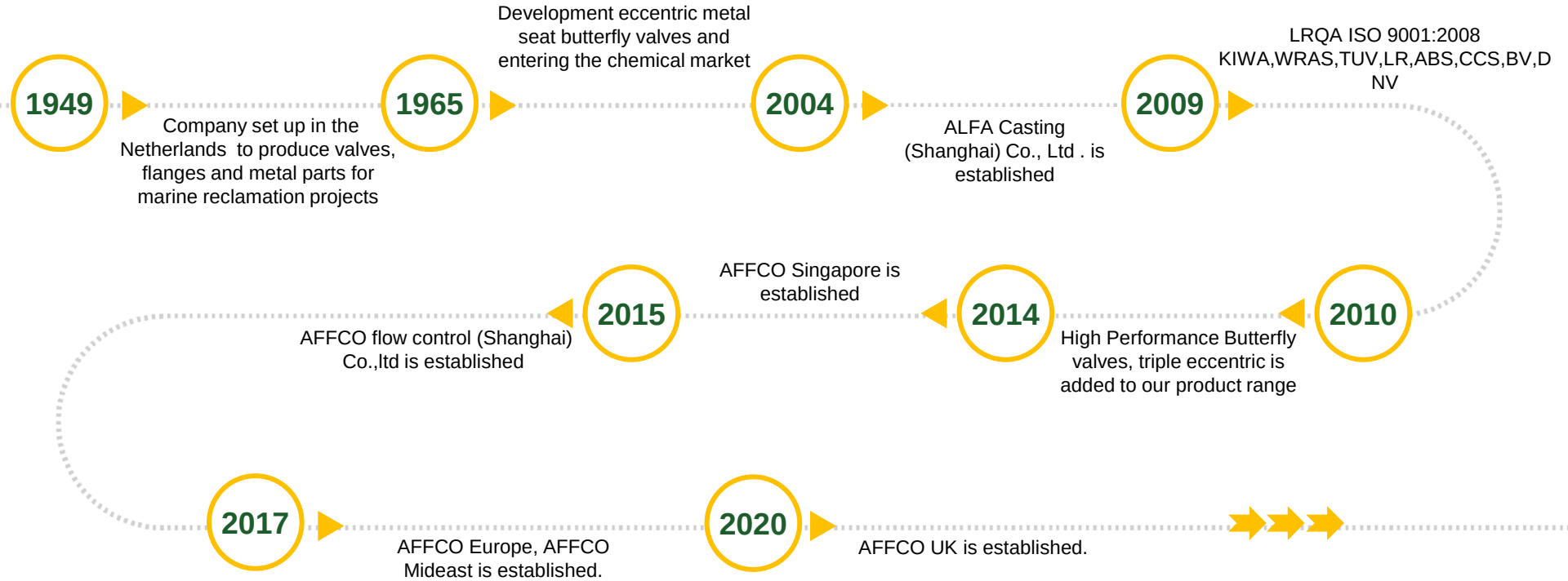
AFFCO Flow Control
MIDDLE EAST

AFFCO Flow Control
UK

The AFFCO group of companies are strategically positioned globally with sales and distribution centers in the Netherlands, United Kingdom, China, Du-bai and Singapore, and will soon expand into the US and the rest of major cities and continents.

Equipped with internationally expertised teams, AFFCO are getting rooted in and contributing to local communities.

AFFCO Milestones



AFFCO Philosophy

Vision

To Be A Sustainable And Honorable Flow Control Enterprise !

Mission

Forging High Quality Flow Control Products with Consistent Craftsman Spirit !

Goal

To be an international, quality manufacturer & provider of butterfly valves, valves and flow control systems, serving all major industries and exceeding customer expectations.

AFFCO Culture

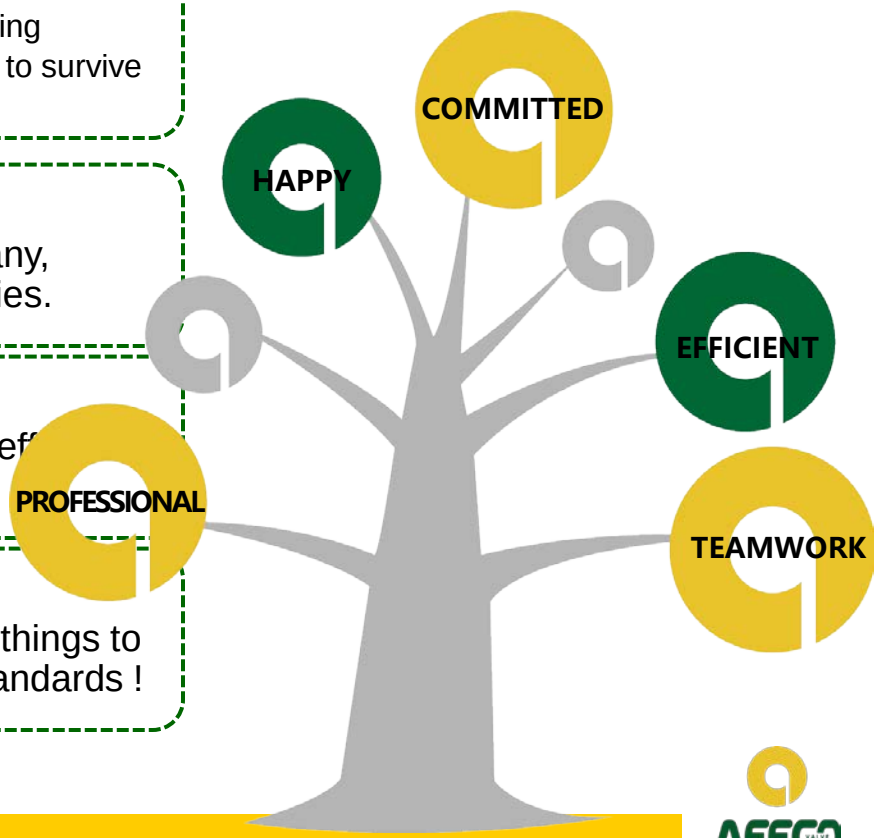
Happiness
We endeavor to create happy environment for our people, share happiness with our valued customers and suppliers, transfer happiness to our society, we strongly believe that Happiness is the only source of successful products and company !

Professionalism:
We are not satisfied with our owning professionalism, while, keeping improving without stop, Professionalism is one of our foundations to survive and develop into the future !

Commitment:
In our belief, Commitment should exist within our company, people, management, customer, supplier and communities.

Efficiency:
In order to survive in the competitive world, we must be ef
otherwise, we could not make it.

Teamwork:
With teamwork, we could have synergies to make great things to happen together, which will reflect our highest ethical standards !



AFFCO Factory View

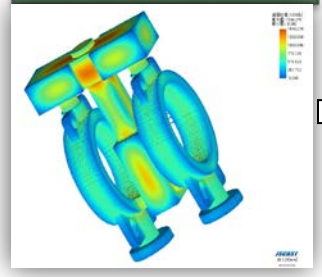
AFFCO Facility




Lastest processing, assembling and testing equipments including CNC,CMM, digital display horizontal boring & milling machine, machine center, centerless grinding machine, automatic feed drill, radial drilling machine, plasma welder, automotive coating, hydraulic valve tester, independent cryogenic testing room, cleaning assembling room are used in the product lines to assure precision, stable quality and manufacturing capabilities.

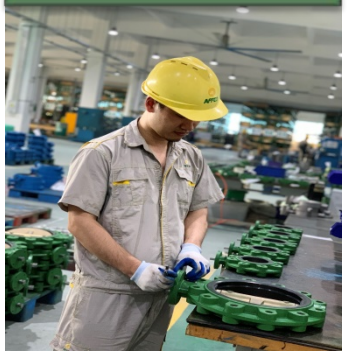
AFFCO Products Process

Casting Simulation



Machining

Installing

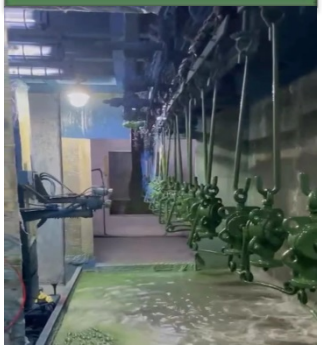


Testing

100%

Shell test and closure test

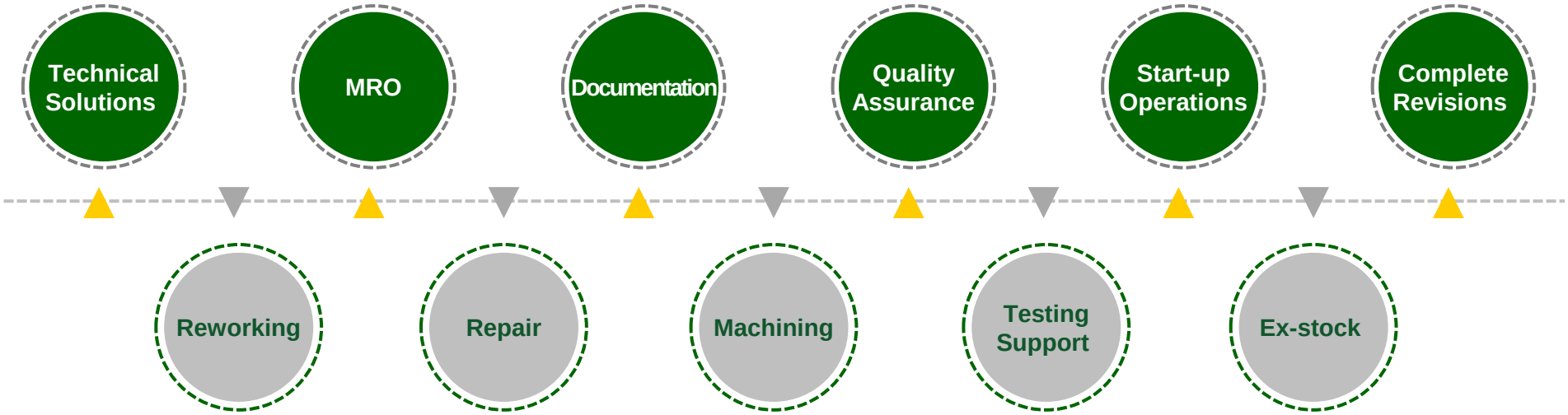
Coating



Inspecting

Packing

AFFCO Service



AFFCO Product Range

Concentric Series

Double Eccentric Series

Triple Eccentric Series

Quadruple Eccentric Series

Damper Series

Actuator

Concentric Series

Wafer Type S570

Lug Type S640

Double Flange Type S460

Mono Flange Type S600&610

Product Description—<u>Vulcanized</u>

Range of size: DN40(1 ½") up to DN2000 (80") bigger sizes on request

- Design STD: EN593, API609, JISF7480, AWWA C504
- Face to Face dimension:
  EN558-1; API609; JISF7480;ISO5752
- Flange connection:
  EN1092(PN6/10/16/25) /
  ASME B16.5(CL150/300) /
  JIS B2239 & JISB2220 (JIS5K /10K /16K /30K)
- Top flange: ISO 5211
- Pressure Test STD: EN12266-1; API 598; JISF7400
- Body material: Ductile Iron/Cast Steel/Bronze/Stainless Steel/Super Duplex
- Actuation options: Manual, pneumatic, electric or hydraulic

Concentric Series

Double Flange Type S360 (U-Type)

Product Description—<u>Vulcanized</u>

Range of size: DN50(2”) up to DN700(28”) bigger sizes on request

- Design STD: JISF7480
- Face to Face dimension: JISF7480
- Flange connection: JIS B2239 & JISB2220&JIS B2210 (JIS5K /10K/16K)
- Top flange: ISO 5211
- Pressure Test STD: JISF7400
- Body material: Ductile Iron/Cast Steel/Bronze/Stainless Steel/Super Duplex
- Actuation options: Manual, pneumatic, electric or hydraulic

Concentric Series

Wafer Type S575

Lug Type S645

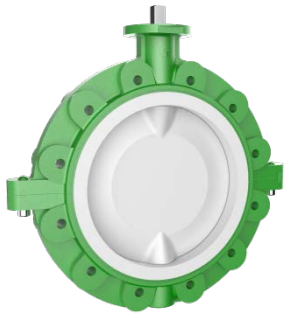
Double Flange Type S465

Product Description—<u>Replaceable</u>

- Range of size: DN40(1 ½”) up to DN2000 (80”) bigger sizes on request
- Design Standard : EN593, API609, JISF7480, AWWA C504
- Face to Face dimension: EN558-1; API609; JISF7480;ISO5752
- Flange connection: EN1092(PN6/10/16/25) / ASME B16.5(CL150/300) / JIS B2239 & JISB2220 (JIS5K /10K /16K /30K)
- Top flange: ISO 5211
- Pressure Test STD: EN12266-1, API 598, JISF7400
- Body material: Ductile Iron/ Cast Steel/ Bronze/ Stainless Steel/ Super Duplex
- Actuation options: Manual, pneumatic, electric or hydraulic

Concentric Series (PTFE Lined)

Wafer Type S586



Lug Type S686

Double Flange Type S486

Product Description:

- Range of size: DN40(1 ½”) up to DN600(24”) and above sizes on request
- Design Standard: EN593
- Face to Face dimension:
  EN558-1; API609; ISO5752
- Flange connection:
  EN1092(PN10/16)
  ASME B16.5(CL150)
  JIS B2211 & JISB2212 (JIS5K /10K)
- Top flange: ISO 5211
- Pressure Test STD: EN12266-1; API 598; JISF7400
- Body material: Ductile Iron/Cast Steel/Stainless Steel
- Actuation options: Manual, pneumatic, electric or hydraulic

Double Eccentric Series

Lug Type S970

Wafer Type S960

Double Flange Type S980

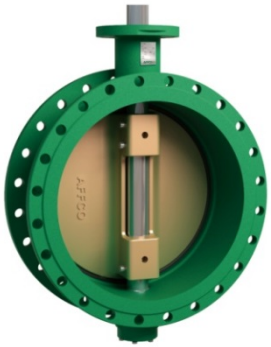
Product Description:

- Range of size: DN50(2”) up to DN700(28”) and above sizes on request
- Design STD: EN593/API609
- Face to Face dimension: EN558-1/API609//ISO5752
- Flange connection: EN1092(PN6/10/16/25) ASME B16.5/B16.47(CL150/300) JISB 2239 & JISB 2220 (JIS5K /10K /16K /30K)
- Top flange: ISO 5211
- Pressure Test STD: API 598/ EN12266-1
- Body material: Ductile Iron/Cast Steel/Bronze/Stainless Steel/Super Duplex/Titanium
- Seat Type: soft seat, fire safe seat and metal seat
- Actuation options: Manual, pneumatic , electric or hydraulic

Double Eccentric Series
with Replaceable Seat

Wafer Type S930

Lug Type S940



Double Flange Type S950

Product Description:

- Range of size: DN50(2”) up to DN900(36”) and above sizes on request
- Design STD: EN593, JISF7480, API609
- Face to Face dimension:
  EN558-1, JIS B 2002, API 609
- Flange connection:
  EN1092-1(PN10/16)
  JIS B 2220 (JIS5K/10K/16K)
  ASME B16.5/B16.47 (CL150/CL300)
- Top flange: ISO 5211
- Pressure Test STD: EN12266-1, API 598, JISF7400
- Body material: Ductile Iron /Cast Steel /Bronze /Stainless Steel /Super Duplex
- Actuation options: Manual, pneumatic, electric or hydraulic

Triple Eccentric Series
Metal to Metal

Wafer Type S760

Lug Type S770

Double Flange Type S780

Product Description:

- Range of size: DN80(3”) up to DN1200(48”) and above sizes on request
- Face to Face dimension:

  API609 Category B; EN558-1
- Flange connection:

  EN1092-1(PN16/25/63/100)

  ASME B16.5/B16.47(CL150/300/600)
- Top flange: ISO 5211
- Body material: WCB/CF8M/CF3M/AB2..
- Actuation options: Manual, pneumatic, electric, hydraulic

Quadruple Eccentric Series

Double Flange Type S720

Product Description:

- Range of size: DN 80 up to DN 1600 and above sizes on request
- Face to Face dimension:

  API 609; EN558-1
- Flange connection:

  EN1092-1(PN16/25/63/100/160/250)

  ASME B16.5/B16.47(CL150/300/600/900/1500)
- Top flange: ISO 5211
- Body material: WCB/CF8M/CF3M/Duplex
- Actuation options: Manual, pneumatic, electric, hydraulic

Damper Series

Double-blade air sealing flange type series S452

Product Description:

- Range of size: DN 100 up to DN 3000 and above sizes on request
- Flange connection:

  EN1092 /DIN86044

  JIS B2239 /JIS F7805

  GB /T9115
- Testing

  ANSI/ASME AG-1

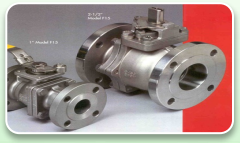
  API 598

  EN 12266-1

  JB/T 10992-2010

  JB/T 8692-2013

Other Valves-Soft Seated Ball Valve Series



2 Piece Flanged

- Full Port, ASME Class 150 & 300, 1/2” to 12”
- Fire Safe Available, Live loaded packing, Metal Seat Available

1 Piece Flanged

- Standard Port, ASME Class 150 & 300, 1” to 12”,
- Fire Safe Available, Live loaded packing

3 Piece

- Up to 5000 psi, Standard Port ¼” to 2”,
- PEEK Seats, Live Loaded Packing, Threaded , Socket Weld

3 Piece

- Up to 1000 psi, Full Port 1/4” to 12”
- Live Loaded Packing, Threaded, BW, SW, Extended, Clamp, Flange

3Ways &4 Ways

- ANSI CLASS 150/300, 1/4” to 4”
- NPT Treaded Ends or Flange Connect

Economical design

- 1 Piece, 1000 psi, 1/4” to 2”
- Reduced Port, NPT Treaded Ends

Other Valves-Gate, Globe, Check

Wedge Gate Valve

- Full bore, API600, Class150 to Class1500
- Bolted bonnet, OS&Y, Metal Seated, Rising Stem

Globe Valve

- Plug type, BS1873, Class150 to Class1500
- Bolted bonnet, OS&Y, Metal Seated, Rising Hand-wheel

Dual Plate Check Valve

- Wafer type, API594, Class150 to Class1500
- Integral Seat, Spring Return, Vertical and horizontal installation

Swing Check Valve

- Flanged ends, API6D, Class150 to Class1500
- Replaceable Seat, Bolted Bonnet

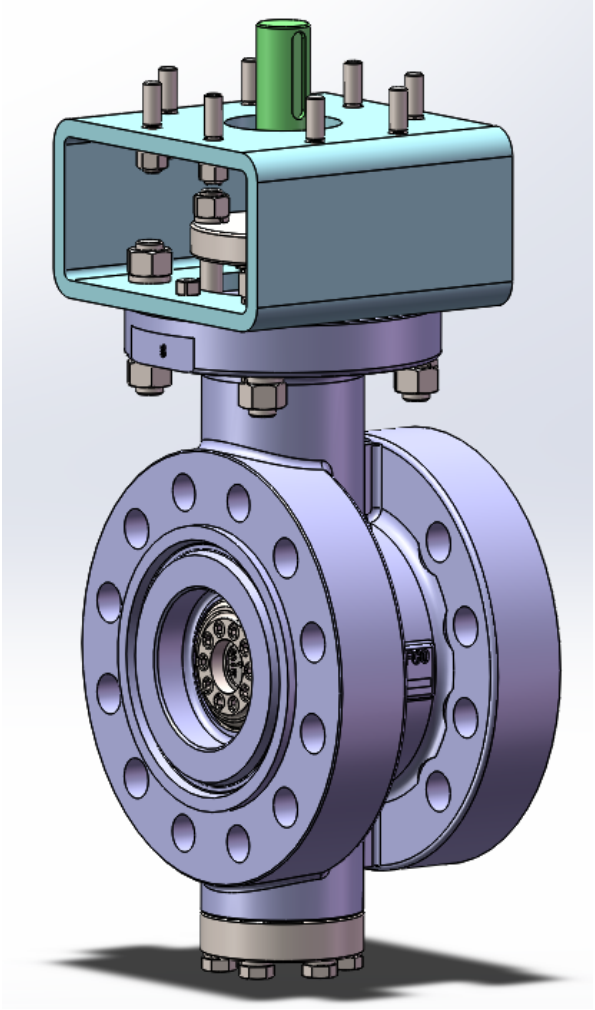
Through Conduit Gate Valve

- Full bore, API6D, Class150 to Class1500
- Single Plate, drain port, full bore, fire safe as API607/API6FA

Forged Valve

- Compact Design, API602, Class150 to Class 1500, Class800
- Bolted Bonnet, F to F as per Factory Standard, Test: API598

New Products Launched-High Class Valve



Product Description:

- Range of Size: DN200 - DN600
- Range of Class: CL900 - CL2500
- Flange Type:

  Double Flange
- Flange connection: ASME B16.5
- Actuation options: Manual, pneumatic, electric, hydraulic

New Products Launched-
High Temperature Valve

Product Description:

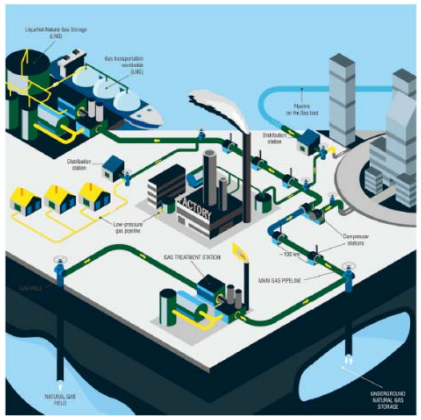
- Range of Size: DN100/DN125/DN150/DN200/DN250
- Range of Temperature: 450-815
- Face to Face Dimension:

  API609 Category B; EN558-1 or Customer Requirements
- Flange Type:

  Wafer/Lug/Double Flange
- Flange connection:

  EN1092-1; ASME B16.5
- Top flange: ISO 5211
- Body material: WC6/WC9/CF8/CF8M/CF10M
- Actuation options: Manual, pneumatic, electric, hydraulic

New Products Launched- Cryogenic Valve



Cryogenic Double Offset Butterfly Valve:

- Size Range: DN50 – DN600
- Class Range: CL150 – CL300

Cryogenic Triple Offset Butterfly Valve:

- Size Range: DN80 – DN600
- Class Range: CL150 – CL300

Cryogenic Globe Valve:

- Size Range: DN25 – DN400
- Class Range: CL150 – CL300

Cryogenic Swing Check Valve:

- Size Range: DN25 – DN500
- Class Range: CL150 – CL300

Cryogenic Ball Valve:

- Size Range: DN25 – DN300
- Class Range: CL150 – CL300

Acutation

Gearbox, Pneumatic, Electric and Hydraulic actuators:

- Apply for valve scope: DN40 (1 ½”) up to DN2000 (80”)

  bigger sizes on request
- Whole control panels can be provided (Manual override,

  Solenoid valve, Limit switch box, E/P positioner).

Marine Approvals

TYPE APPROVALS

LIoyd’s /BV/ABS/CCS/DNV/RMRS/RINA - Concentric Butterfly Valve

Lioyd’s/BV/ABS (For HP & Fire Safe)/TUV(Fire Safe) - Double Eccentric Butterfly Valve

PRODUCT CERTIFICATES

LR/BV/ABS/CCS/DNV

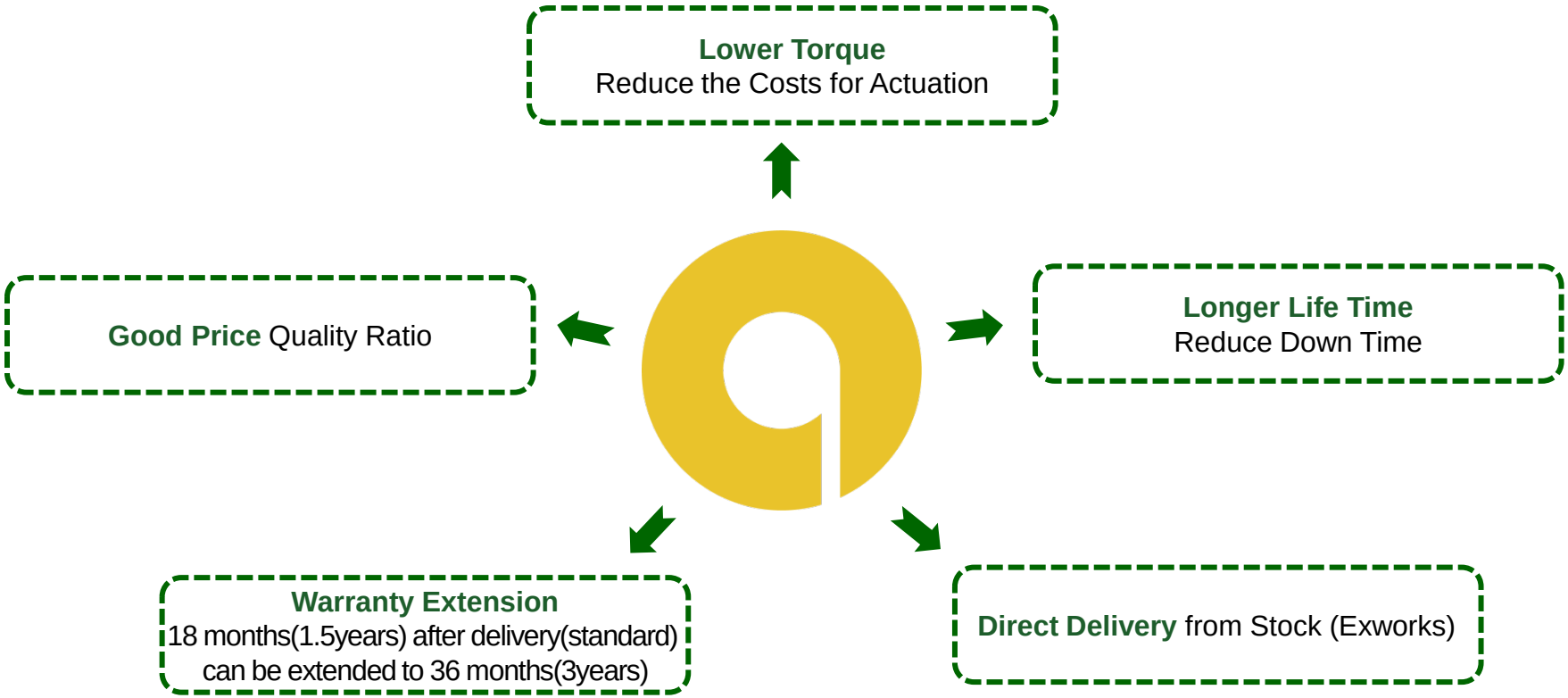
GL/RINA/IRS/KR/NK

7 major type approvals for marine applications, able to supply all class product certificates.

Marine Approvals

Our Quality Management System has been certified by LRQA since 2009.

Added Value


Lower Torque
Reduce the Costs for Actuation
Good Price Quality Ratio
Longer Life Time
Reduce Down Time
Warranty Extension
18 months(1.5years) after delivery(standard)
can be extended to 36 months(3years)
Direct Delivery from Stock (Exworks)

Market Segments

Marine& Ship Building

Water Treatment

Oil & Gas

Desalination

Power station

Chemical

Building Utility & Cooling

Refinery

Contacts

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AFFCO VALVE

Thanks!

HAPPY·PROFESSIONAL·COMMITTED·EFFICIENT·TEAMWORK