

# X Control with Cair

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# **UTILITY & PROCESS LINES BALL VALVES**

#### 2 Way Ball Valve S/E - F/E

: 1/2" to 12" : QB1 Model

: CI/ WCB / CF8 / CF8M MOC Seals : PTFE / CFT/

GFT/TFM/ PEEK Pressure: 150#/ 300# / 600#/900#

Temp. : Upto 180°C / 250°C

Class : 150# Ends

Socket / Triclover Type

Screwed / Flanged /

#### Multi Port Design 3 & 4 Way **Ball Valve**



Size : 1/2" to 12" Model : COK

: WCB / CF8 / CF8M Seals : PTFE / CFT/ GFT/ TFM/ PEEK

Pressure: 150# / 300# / 600#/900#

Temp. : Upto 180°C / 250°C Class : 150# / 300# Ends

: Screwed / Flanged / Socket / Triclover Type

#### Extended stem Ball Valve for Low Temperature



: 1/2" to 8" Size Model : QB3

MOC : WCB / CF8 / CF8M Seals : PTFE / CFT/ GFT/

TFM/ PEEK Pressure: 150# / 300# / 600#/900#

: -20°C TO 180°C Class : 150#

> : Screwed / Flanged / Socket

# FLOW CONTROLLING LINES BALL VALVES

#### **Jacketed Ball Valve**



: 1/2" to 4" : QB4

WCB / CF8 / CF8M Ball Port : 30° / 60° / 90° V

Curve

: PTFE / CFT/ GFT/ Seals TFM/ PEEK

Pressure: 150# / 300# : Upto 180 °C / 250 °C

Class : 150# / 300# Ends : Flanged End

High Pressure Ball Valves 3000WOG



: 1/2" to 2" : QB5

MOC : CF8 / CF8M : PTFE / CFT/ PEEK Pressure: Upto 200 Kg/Cm2

: 80°C Ends

Model

: Screwed Type

#### V Knotch Ball Valve - Basis weight Valve

Ends



: 1/2" to 4" : QB6

: WCB / CF8 / CF8M MOC Ball Port: 30° / 60° / 90° V

Curve

: PTFE / CFT/ GFT/ Seals TFM/ PEEK

Pressure: 150# / 300# : Upto 180°C / 250°C

Class : 150# / 300# Ends : Flanged End

# SPECIAL APPLICATION BALL VALVES

#### Plug Valve Lubricated Soft Seated



: 1/2" to 8" Model

: WCB / CF8 / CF8M MOC : PTFE / CFT/ GFT

Pressure: 150# Temp.

FEP - 180°C / PFA - 230°C

Class : 150# Ends : Flanged Type

# Metal Seated Ball Valve for **High Temperature Application**

Ball



: 1/2" to 8" Size Model : QB8 MOC

: WCB / CF8 / CF8M : Tunston / Std. Stellite Coated

Seals : Metal Seat (Stellite Coated)

Pressure: 150# FEP - 180°C PFA - 230°C

: 150#

Ends : Flanged Type

#### Flush Bottom Reduce Bore **Ball Valve**

Size



: 6"X8" / 8"X10" / 10"X12" / 12"X14

Model : QB9

: WCB / CF8 / CF8M Seals : PTFE / CFT/ GFT /

TFM/ PEEK Pressure: 150#

Temp. : Upto 180°C 250°C

Class : 150# Ends : Flanged Type









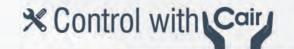












# **UTILITY LINES BUTTERFLY VALVE**

# Rubber Lined Wafer type **Butterfly Valve**



: 1.1/2" to 72"

: CI/ DI/ WCB / CF8 / CF8M : Nitrile / NBR/

EPDM / Viton Pressure: PN6, 10, 16. 20 & PN25

Temp. : -20°C to 180°C (Depending on MOC)

Ends : Wafer Type

#### Rubber Lined Double Flanged **Butterfly Valve**



: 3" to 72" Model : QF2

: CI/ DI/ WCB / CF8 / CF8M Seals : Nitrile / NBR/

EPDM / Viton Pressure: PN6, 10, 16, 20

& PN25 Temp.

: -20°C to 180°C (Depending on MOC

: Wafer Type Double Flanged

#### PTFE (FEP-PFA) Lined 2 Piece Design Butterfly Valve



: 1.1/2" to 20" : QF3

: WCB / CF8 / CFBM / CF3M

Seals : FEP / PFA Pressure: Upto 10 Kg/cm2 Temp. : FEP 180°C/ PFA 250°C

Ends : Wafer Type

# PROCESS LINE BUTTERFLY VALVE

# High Performance Butterfly valve



1.1/2" to 24"

QF4 Model : WCB / CF8 / CF8M / CF3M

: PTFE / CFT/ GFT Pressure: PN6, 10, 16.

20 & PN25 Temp. : Upto 180°C / 250°C

: Wafer Type

# Pharma / Food Butterfly Valve

Ends



# Extended stem Butterfly Valve

Ends



Size : 1.1/2" to 88" Model

MOC

: CI/WCB / CF8 / CF8M Seals : Nitrile / NBR /

EPDM/ Viton Pressure: PN6, 10, 16,

20 & PN25 Temp. : Upto 180°C / 250°C

> : Wafer Type / Double Flanged

# FLOW CONTROLLING BUTTERFLY VALVE

# Tripple Offset Butterfly Valve

Ends



Size : 1.1/2" to 36" : QF6 MOC

: WCB / CF8 / CF8M / CF3M : PTFE / CFT/ GFT

Pressure: PN6, 10, 16, 20 & PN25

Temp. : Upto 180°C / 250°C Ends : Wafer Type / Double Flanged

Aluminium Body Butterfly valve (Kitz Type)



: 1.1/2" to 12" : QF7

: Aluminium Allay Lining : Nitrile / NBR/ **EPDM** 

Pressure: PN 10 / 16 Temp. : Upto 180°C Ends : Wafer type

#### Cement Butterfly Valve (WAM Type)



Size : 4" to 16"

Model : CF8 MOC : Allumnium Alloy /

WCB

Seals : NBR Pressure: Upto 6kg / Cm2

Temp. : Upto 80°C Ends : Single Flange / Double Flange



















# DAMPER VALVE

#### Fabricated Double Flange Butterfly Valve



MOC : IS Grade MS / S, Steel Seals : Nitrile / NBR/

EPDM / Viton

Pressure: Upto 10000MMWC;

: 1.1/2" to 88"

PN 6 / PN 10 (Depending on REQ.) Temp. : -20° to 500°C

: Double Flanged

#### Damper Butterfly Valve



Size : Upto 3000MM x 3000MM MOC : IS Grade MS /

S. Steel
Pressure: Upto 10000MMWC /

PN 6 / PN 10 (Depending on REQ.)

Temp. : -20° to 500°C Ends : Flanged / Wafer

# Multi Louver Damper



PN 6 / PN 10 (Depending on REQ.)

Temp. : -20° to 500°C Ends : Flanged / Wafer

# **GATE VALVE - GLOBE VALVE - PISTON VALVE**

#### Resilient Gate Valve



Size : 1½" to 48"

MOC : GGG40

Seals : EPDM

Pressure: PN 16 / PN 10 (Depending on Reg.)

: -20° to 80°C : Flanged as per BS / DIN

#### IC Globe Valve - Soft Seated



: ½" to 4" : CF8 / CF8M : PTFE / CFT

Pressure: 150#
Temp. : -20°C to 180°C
Ends : Screwed /

Flanged 150#

# Glandless Piston Valve - ND40



Size : ½" to 4" MOC : WCB

 Seals
 : Metal To Metal

 Pressure
 : 40Kg/Cm²

 Temp.
 : 4000°C

 Ends
 : DIN 2525 (PN40)

# Y TYPE STRAINER - KNIFE GATE VALVE - CHECK VALVE

# Y type Strainer



Size : 1/2" to 12"

MOC: WCB / CF8 / CF8M Screen: 40 Mesh / 20 Mesh

Seal : NBR Temp. : 220°C

Ends : Srewed / Flanged

#### Knife Gate Valve



Size : 1/2" to 12"

: CI/ WCB / CF8 / CF8M : Metal to Metal /

NBR/ PTFE
Pressure : Upto 2 Kg/cm²

(Above on req)

Temp. : Upto 80°C / 220°C

Ends : Lugged / Flanged type

# Check Valve / Non Slam / DPCV



Size : 1/2" to 36"

 MOC
 : CI/ WCB / CFB / CFBM

 Seals
 : PTFE / Metal to Metal

 Pressure
 : Upto 10kg / Cm²

 Temp.
 : Upto 80°C / 220°C

Ends : Flanged Type









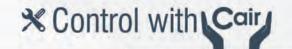




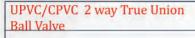








# **UPVC / CPVC VALVE**





Size : 2way-1.1/2" to 4" Body / : UPVC/CPVC

Seat : PTFE Stem : UPVC Pressure: 10 BAR Temp. : UP TO 80°C

> Socket Type / Screwed End to BSP

# UPVC 2 way True Union Ball Valve Flanged end



Size : 2way-1.1/2" to 4

# UPVC/CPVC 3 Way True Union Ball Valve



Size : 3 way-1/2" to 2'
Body / : UPVC/CPVC
Ball

Seat : PTFE Stem : UPVC

Pressure: Up to 7Kg/Cm²
Temp.: UP TO 80°C
Port: " L " Port
Ends: Socket Type /

Screwed End to BSP / Flanged End

# **UPVC / CPVC VALVE**

# UPVC/CPVC Butterfly Valve For Water Treatment & Plumbing Lines



Size : 2" to 12'
Body / Disc : UPVC
Seat : EPDM/VIT

 Seat
 : EPDM/VITON

 Pressure
 : PN 10

 Temp.
 : Up to 80°C

 Ends
 : Wafer Type

# UPVC Gate Valve



Size : 1 1/2" to 6" Body : UPVC

Disc : UPVC/SS 201
Seat : EPDM
Pressure : 0.35Mpa
Temp. : Up to 60°C
Ends : Socket Type

# UPVC/CPVC Union Ball Check Valve



Size : 1/2" to 3" Body : UPVC

Body : UPVC
Ball : UPVC
Seat : EPDM

Pressure: 1.0Mpa (PN10 bar)
Temp.: Up to 60°C
Ends: Socket Type

# GEAR BOX - MANUAL OVER - RIDE CLUTCH - LIMIT SWITCH BOX FOR INDUSTRIAL VALVE

# Gear Box for Industrial Valve / Actuator



Torque : 180NM to 35000NM

C : CI / Ductile Iron/
Gun Metal / ALB

Travel : 90° (Quarter Turn)

Application: Ball Valve, Butterfly Valve & Damper Actuation, Plug valves Operation

#### Manual over-ride Clutch type for Quarter-turn valves



Torque : 980NM to 3800NM
MOC : Cast Iron / Ductile Iron
Travel : 90° (Quarter Turn)

Application: Gate Valve, Globe Valve & Slide Gate,
Open Channel gate valves Operation

#### Micro Limit Switch Box for Manual Industrial Valve / Pneumatic Actuator



Body : Aluminium Press. Die Cast

Switch : 1NO + 1 NC OR 2NO+2NC

Enclosure : Weather Proof / Flame Proof

Sensors : Micro Switch / Proximity

Application: For Feedback of Valve /

Dampers at PLC









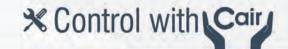












- + Manufacturing Standard
  - IEC / EN 15714 2 & AWWA C 542 09
- + Enclosure Standard IP 67 / 68 IS / IEC 60529 & IS / IEC 60079 - 1
- + Motor Standard IS - 325 / IEC 60034 - 1 / IS - 996
- + Mounting Standard ISO 5211

#### + Testing

- + Phase Sequence Test
- + Noise Test
- + Torque Test
- + Insulation Test
- + High Voltage Test

#### + Manufacturing Facility



# ALSO AVAILABLE WITH ELECTRICAL ACTUATOR

Single Phase Quarter Turn



Three Phase Quarter Turn



Three Phase Multi-Turn



SERIES Single Phase Linear



#### SUPPLY VOLTAGE

220 V AC (± 10%), 50 / 60 Hz 110 V AC, 24V DC, 12 V DC

#### **ENCLOSURE - IP 67/68**

Weatherproof IS / IEC 60529 Flameproof or Ex-Proof - IS IEC 60079 Zone II, Gas Group IIB T4

#### **TORQUE RANGE**

15 Nm to 5000 Nm

#### SUPPLY VOLTAGE

415 V AC (± 10%), 50 / 60 Hz 380 V AC 460V AC

#### **ENCLOSURE - IP 67/68**

Weatherproof IS / IEC 60529 Flameproof or Ex-Proof - IS IEC 60079 Zone II, Gas Group IIB T4

#### **TORQUE RANGE**

50 Nm to 12000 Nm

#### SUPPLY VOLTAGE

415 V AC (± 10%), 50 / 60 Hz 380 V AC / 460V AC 220 V AC CTM Series

#### **ENCLOSURE - IP 67/68**

Weatherproof IS / IEC 60529 Flameproof or Ex-Proof - IS IEC 60079 Zone II, Gas Group IIB T4

#### **TORQUE RANGE**

50 Nm to 2400 Nm

#### SUPPLY VOLTAGE

220 V AC (± 10%), 50 / 60 Hz 110 V AC, 24 V DC, 12V DC (Available On request)

**ENCLOSURE - IP 67** Weatherproof - IS / IEC 60529 TORQUE RANGE

150 Kgf to 3500 Kgf

Manufactured By:





Available At:

