



 VALWELL DEVELOPMENT ENTERPRISE CO., LTD.

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BALL VALVES

- Soft Seated Ball Valves
- Metal Seated Ball Valves
- Multiple Way Ball Valves
- Special Alloy Ball Valves
- High Pressure Ball Valves
- Floating Type Ball Valves
- Trunnion Mounted Ball Valves



No. 61, Alley 6, Lane 296, Pengyi Rd., Taiping Dist.,
Taichung City 411, Taiwan (R.O.C.)

Tel +886-4-22764029
Fax +886-4-22763930
Mail sales@valwell.com.tw
Web www.valwell.com.tw

CAT: BV-07-14-1000-Rev.0

API 607
FIRE SAFE APPROVED



tüv
CERT
DIN EN ISO 9001
Certificate:01 100 056382
PED MODULE H
Certificate:01 202 ROC / Q-06-0133



AMM-3798

Certificate



API 6D

API 607 fire safe approved

API 607 fire safe approved



CE Certificate Module H

DNV Type Approval Certificate

DNV Approval of Manufacturer Certificate

ISO 9001

Introduction

Valwell Development Enterprise Co., Ltd. established in 1998 with the headquarters located in Taichung, Taiwan. We are specialized in designing and manufacturing of a full range of Ball Valve and Blind Flange Valve which are generally apply into the power generation, chemical and petrochemical, oil and gas, pulp and paper plants, mining, cryogenic, and ship-building industries worldwide.

We have been successfully exporting our valves to over 20 countries around the world, our advanced designs and refined techniques are based on more than 30 years of experience. Our relentless innovation in this field allows us to be actively engaged in developing and customizing present and new product lines that have ensured our quality.

We have participated in many special projects such as SBM, Canada Construction Project, Singapore Airport Project, Formosa Petrochemical Corporation and more.

Valwell Development Enterprise Co., Ltd is a professional valve "OEM & ODM" manufacturer with ISO 9001:2008 and CE Quality Assurance Accreditation.

Our product range includes Conventional, Metal Seated, Multiple Way, High Pressure ball valves; with 1-PC, 2-PC and 3-PC floating ball and trunnion mounted design ball valves in threaded, welded, flanged end. Our ball valves has many additional features such as locking device, ISO 5211 top flange for direct mounting with actuator for automation service, fire safe design and blow-out-proof stem design and etc.

We are capable of reaching customer requirements with outstanding ability to provide innovative solutions, while constantly improving our manufacturing process with new technologies which enhance the production efficiency and cost reduction, provide the best product to our customer.

For more product information, please refer to our website at www.valwell.com.tw

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Special Alloy Ball Valves



VW-24T

2-PC Screwed Body Ball Valve,
Full Bore, 1000 PSI

Size	1/2"-2" (DN 15 ~ DN 50)
Face to Face	Mfg. Std.
Connection	NPT / BSP / PT / PF / BSPT
Top Mounting	Not Available
Testing	API 598 EN 12266-1
Temperature Range	-10 ~ 180°C
Pressure Rating	1000 PSI
	Anti-Blowout Proof Stem
	Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M
Seat	PTFE
Stem	SS 316

Nickel Based Alloy

- Austenitic**

ASTM A351 Gr. CF8M

- Super Austenitic**

ASTM A351 Gr. CN7M (Alloy 20)

ASTM A351 CK-3MCuN

ASTM A351 CN-3MN

- Duplex Alloy**

ASTM A890 Gr. 1A CD4MCu

ASTM A890 Gr. 1B CD4MCuN

ASTM A890 Gr. 1C CD3MCuN

ASTM A890 Gr. 4A CD3MN

- Super Duplex Alloy**

ASTM A890 Gr. 5A CE3MN

ASTM A890 Gr. 6A CD3MWCuN

- Hastelloy Alloy**

ASTM A494 Gr. CW-12MW

ASTM A494 Gr. CW6M

ASTM A494 Gr. CW2M

ASTM A494 Gr. CX2MW

- Monel 400**

ASTM A494 Gr. M35-1

ASTM A494 Gr. M35-2

ASTM A494 Gr. M30C

- Inconel 600~625**

ASTM A494 Gr. CY40

ASTM A494 Gr. CW6MC

- Titanium Alloy**

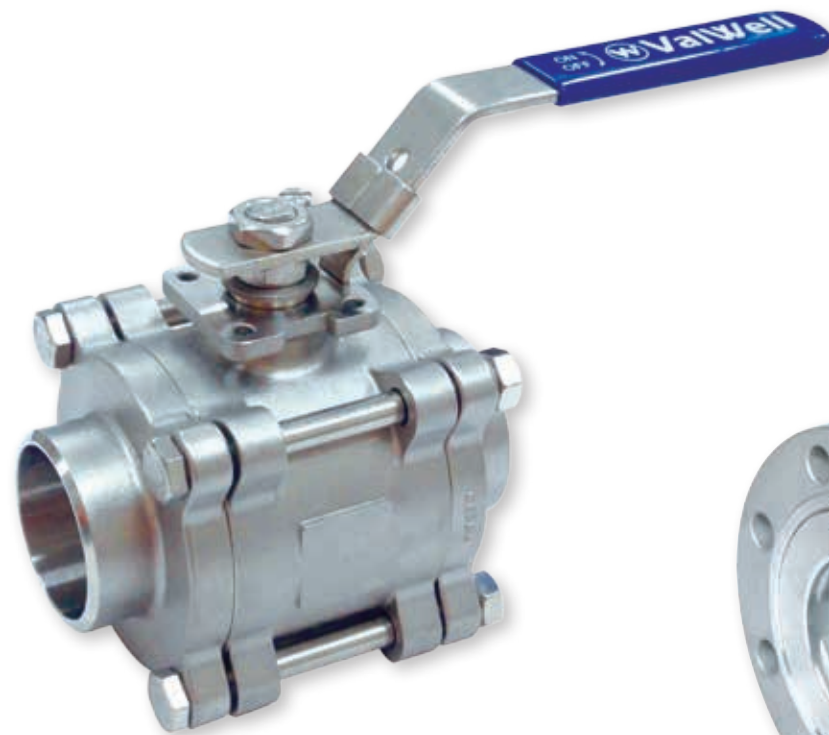
ASTM B367 Gr. C2 / C5

VW-34T/S/B

3-PC Threaded Ball Valve, ISO 5211
Direct Mount, Full Bore, 1000 PSI

Size	1/2"-2" (DN 15 ~ DN 50)
Face to Face	DIN 3202 M3 Mfg. Std.
Connection	NPT / BSP / PT / PF / BSPT Socked Weld End Butt Weld End
Top Mounting	ISO 5211 Direct Type
Testing	API 598 EN 12266-1
Temperature Range	-10 ~ 180°C
Pressure Rating	1000 PSI
	Anti-Blowout Proof Stem
	Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M
Seat	RTFE
Stem	SS 316





VW-36T/S/B

3-PC Threaded Ball Valve,
Full Bore, PN 100

Size	1/2"-2" (DN 15 ~ DN 50)
Face to Face	DIN 3202 M3 Mfg. Std.
Connection	NPT / BSP / PT / PF / BSPT Socked Weld End Butt Weld End
Top Mounting	ISO 5211
Testing	API 598 EN 12266-1
Temperature Range	-10 ~ 180°C
Pressure Rating	PN 100
	Anti-Blowout Proof Stem
	Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M
Seat	RTFE
Stem	SS 316

VW-51 API 607 4th Fire Safe Certificated

1-PC Flanged Ball Valves,
Reduced Bore, ANSI Class 150

Size	1/2"-6" (DN 15 ~ DN 150)
Face to Face	ASME B16.10
Connection	ASME B16.5 RF Class 150/300
Top Mounting	ISO 5211
Testing	API 598
Temperature Range	-10 ~ 180°C
Pressure Rating	ANSI Class 150/300
	Anti-Blowout Proof Stem
	Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M
Seat	RTFE
Stem	SS 316

VW-52 API 607 4th Fire Safe Certificated

2-PC Flanged Ball Valves,
Full Bore, ANSI Class 150

Size	1/2"-12" (DN 15 ~ DN 300)
Face to Face	ASME B16.10 EN 558-1
Connection	ASME B16.5 RF Class 150-900 EN 1092-1 PN 10/16-25/40 JIS 10K-16K
Top Mounting	ISO 5211
Testing	API 598 EN 12516-1
Temperature Range	-10 ~ 180°C
Pressure Rating	ANSI Class 150-900 PN 10/16-25/40 JIS 10K-16K
	Anti-Blowout Proof Stem
	Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M
Seat	RTFE
Stem	SS 316

VW-54

3-PC Trunnion Mounted Flanged
Ball Valves, Full Bore, ANSI Class 150

Size	3"-20" (DN 80 ~ DN 500)
Face to Face	API 6D
Connection	ASME B16.5 RF Class 150/300/900
Top Mounting	ISO 5211 Direct Type
Testing	API 6D
Temperature Range	-10 ~ 180°C
Pressure Rating	ANSI Class 150/300/900
	Anti-Blowout Proof Stem
	Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M
Seat	RTFE
Stem	SS 316

VW-55

2-PC Flanged Ball Valves, ISO 5211
Direct Mount, Full Bore, DIN PN 16

Size	1/2"-6" (DN 15 ~ DN 150)
Face to Face	ASME B16.10 EN 558-1
Connection	ASME B16.5 RF Class 150-300 EN 1092-1 PN 10/16-25/40
Top Mounting	ISO 5211 Direct Type
Testing	API 598 EN 12516-1
Temperature Range	-10 ~ 180°C
Pressure Rating	ANSI Class 150-300 PN 10/16-25/40
	Anti-Blowout Proof Stem
	Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M
Seat	RTFE
Stem	SS 316



VW-56

1-PC Wafer Type Ball Valves, ISO 5211
Direct Mount, Full Bore, DIN PN 16

Size	1/2"-4" (DN 15 ~ DN 100)
Face to Face	Mfg. Std.
Connection	EN 1092-1 PN 10/16-25/40
Top Mounting	ISO 5211 Direct Type
Testing	API 598 EN 12516-1
Temperature Range	-10 ~ 180°C
Pressure Rating	PN 10/16-25/40
	Anti-Blowout Proof Stem
	Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M
Seat	RTFE
Stem	SS 316

VW-57

1-PC Wafer Type Ball Valves,
Full Bore, ANSI Class 150

Size	1/2"-3" (DN 15 ~ DN 80)
Face to Face	Mfg. Std.
Connection	ASME B16.5 RF Class 150
Top Mounting	ISO 5211
Testing	API 598
Temperature Range	-10 ~ 180°C
Pressure Rating	ANSI Class 150
	Anti-Blowout Proof Stem
	Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M
Seat	RTFE
Stem	SS 316



VW-59

2-PC Flanged Ball Valves,
Full Bore, ANSI Class 150

Size	1/2"-6" (DN 15 ~ DN 150)
Face to Face	ASME B16.10 EN 558-1
Connection	ASME B16.5 RF Class 150 EN 1092-1 PN 10/16-25/40
Top Mounting	Not available
Testing	API 598 EN 12266-1
Temperature Range	-10 ~ 180°C
Pressure Rating	ANSI Class 150 PN 10/16-25/40
	Anti-Blowout Proof Stem
	Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M
Seat	RTFE
Stem	SS 316

VW-64

2-PC Trunnion Mounted Flanged Ball Valves, Full Bore, ANSI Class 150

Size	1"-12" (DN 25 ~ DN 300)
Face to Face	API 6D
Connection	ASME B16.5 RF Class 150/300
Top Mounting	ISO 5211 Direct Type
Testing	API 6D
Temperture Range	-10 ~ 180°C
Pressure Rating	ANSI Class 150/300 Anti-Blowout Proof Stem Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M
Seat	RTFE
Stem	SS 316

K-507

3-Way Flanged Ball Valves, Full Bore, T-Port, ANSI Class 150

Size	1-1/4"-12" (DN 32 ~ DN 300)
	T Port / L Port
Face to Face	Mfg. Std.
Connection	ASME B16.5 RF Class 150/300 EN 1092-1 PN 16
Top Mounting	ISO 5211
Testing	API 598 EN 12266-1
Temperture Range	-10 ~ 180°C
Pressure Rating	ANSI Class 150/300 PN 16 Anti-Blowout Proof Stem Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M
Seat	RTFE
Stem	SS 316

K-508

4-Way Flanged Ball Valves, Full Bore, T-Port, ANSI Class 150

Size	1-1/4"-12" (DN 32 ~ DN 300)
	T Port / L Port / X Port (Double L Port)
Face to Face	Mfg. Std.
Connection	ASME B16.5 RF Class 150 / 300 EN 1092-1 PN 16
Top Mounting	ISO 5211
Testing	API 598 EN 12266-1
Temperture Range	-10 ~ 180°C
Pressure Rating	ANSI Class 150 / 300 PN 16 Anti-Blowout Proof Stem Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M
Seat	RTFE
Stem	SS 316

K-509

5-Way Flanged Ball Valves, Full Bore, T-Port, ANSI Class 150

Size	1-1/4"-12" (DN 32 ~ DN 300)
	T Port / L Port
Face to Face	Mfg. Std.
Connection	ASME B16.5 RF Class 150 / 300 EN 1092-1 PN 16
Top Mounting	ISO 5211
Testing	API 598 EN 12266-1
Temperture Range	-10 ~ 180°C
Pressure Rating	ANSI Class 150 / 300 PN 16 Anti-Blowout Proof Stem Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M
Seat	RTFE
Stem	SS 316





K-909

5-Way 7-Holes Trunnion Mounted Flanged Ball Valves, Multiple Port, JIS 5K

Size	2"-5" (DN 50~DN 125)
	Multiple Port
Face to Face	Mfg. Std.
Connection	JIS B 2220 JIS 5K
Top Mounting	ISO 5211
Testing	API 598 EN 12266-1
Temperture Range	-10 ~ 180°C
Pressure Rating	JIS 5K
	Anti-Blowout Proof Stem
	Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M
Seat	RTFE
Stem	SS 316



K-607

3-Way Trunnion Mounted Flanged Ball Valves, Full Bore, L-Port, PN 16

Size	1"-4" (DN 25 ~ DN 100)
	L Port
Face to Face	Mfg. Std.
Connection	EN 1092-1 PN 16 / 40
Top Mounting	ISO 5211 Direct Type
Testing	API 598 EN 12266-1
Temperture Range	-10 ~ 180°C
Pressure Rating	PN 16 / 40
	Anti-Blowout Proof Stem
	Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M
Seat	RTFE
Stem	SS 316

K-608

4-Way Trunnion Mounted Flanged Ball Valves, Full Bore, L-Port, PN 16

Size	1"-4" (DN 25 ~ DN 100)
	L Port
Face to Face	Mfg. Std.
Connection	EN 1092-1 PN 16 / 40
Top Mounting	ISO 5211 Direct Type
Testing	API 598 EN 12266-1
Temperture Range	-10 ~ 180°C
Pressure Rating	PN 16 / 40
	Anti-Blowout Proof Stem
	Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M
Seat	RTFE
Stem	SS 316



HP-40

3-PC High Pressure Ball Valves, Full Bore, 3000-6000 PSI

Size	1/2"-3" (DN 15 ~ DN 80)
Face to Face	Mfg. Std.
Connection	NPT / BSP / PT / PF / BSPT
Top Mounting	Optional
Testing	API 598 EN 12266-1
Pressure Rating	3000 - 6000 PSI
	Anti-Blowout Proof Stem
	Anti-Static Structure
Body	SUS 316
Ball	SUS 316
Seat	Delrin / Peek
Stem	17-4 PH

HP-41

3-PC High Pressure Ball Valves,
Reduced Bore, 3000-6000 PSI

Size	1/2"-3" (DN 15 ~ DN 80)
Face to Face	Mfg. Std.
Connection	NPT / BSP / PT / PF / BSPT
Top Mounting	Optional
Testing	API 598 EN 12266-1
Pressure Rating	3000 - 6000 PSI Anti-Blowout Proof Stem Anti-Static Structure
Body	SUS 316
Ball	SUS 316
Seat	Delrin / Peek
Stem	17-4 PH



JM-11

1-PC Jacket Flanged Ball Valves,
Full Bore, ANSI Class 150

Size	1-1/2" X 1/2" - 12" X 8"
Face to Face	ASME B16.10
Connection	ASME B16.5 RF Class 150-300
Top Mounting	ISO 5211
Testing	API 598
Pressure Rating	ANSI Class 150/300 Anti-Blowout Proof Stem Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M
Seat	RTFE
Stem	SS 304



Metal Seated Ball Valves

Feature:

- Low Torque Design
- Fire Safe Design
- Zero Leakage
- Wide Range of Operating Temperatures
- Suitable for Various Fluids

ANSI 150-900

PN 16-40

JIS 10K-16K

SIZE: 1/2" ~ 20"





VW-51Q

1-PC Flanged Ball Valves, Reduced Bore, Metal Seated, ANSI Class 150

Size	1/2"-6" (DN 15 ~ DN 150)
Face to Face	ASME B16.10
Connection	ASME B16.5 RF Class 150-300
Top Mounting	ISO 5211
Testing	API 598
Pressure Rating	ANSI Class 150/300 Anti-Blowout Proof Stem Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M Solid Ball + Hard Chrome Plated ASTM A351-CF8M Solid Ball + HVOF
Seat	SS 316 + Solder Stellite # 6 SS 316 + HVOF
Stem	SS 316



VW-52Q

2-PC Flanged Ball Valves, Full Bore, Metal Seated, ANSI Class 150

Size	1/2"-12" (DN 15 ~ DN 300)
Face to Face	ASME B16.10 EN 558-1
Connection	ASME B16.5 RF Class 150-900 EN 1092-1 PN 10/16-25/40 JIS 10K-16K
Top Mounting	ISO 5211
Testing	API 598 EN 12516-1
Pressure Rating	ANSI Class 150-900 PN 10/16-25/40 JIS 10K-16K Anti-Blowout Proof Stem Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M Solid Ball + Hard Chrome Plated ASTM A351-CF8M Solid Ball + HVOF
Seat	SS 316 + Solder Stellite # 6 SS 316 + HVOF
Stem	SS 316

VW-54Q

3-PC Trunnion Mounted Flanged Ball Valves, Full Bore, Metal Seated, ANSI Class 150

Size	3"-20" (DN 80 ~ DN 500)
Face to Face	API 6D
Connection	ASME B16.5 RF Class 150/300/900
Top Mounting	ISO 5211 Direct Type
Testing	API 6D
Pressure Rating	ANSI Class 150/300/900 Anti-Blowout Proof Stem Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M Solid Ball + Hard Chrome Plated ASTM A351-CF8M Solid Ball + HVOF
Seat	SS 316 + Solder Stellite # 6 SS 316 + HVOF
Stem	SS 316



VW-55Q

2-PC Flanged Ball Valves, ISO 5211 Direct Mount, Full Bore, Metal Seated, ANSI Class 150

Size	1/2"-6" (DN 15 ~ DN 150)
Face to Face	ASME B16.10 EN 558-1
Connection	ASME B16.5 RF Class 150-300 EN 1092-1 PN 10/16-25/40
Top Mounting	ISO 5211 Direct Type
Testing	API 598 EN 12516-1
Pressure Rating	ANSI Class 150-300 PN 10/16-25/40 Anti-Blowout Proof Stem Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M Solid Ball + Hard Chrome Plated ASTM A351-CF8M Solid Ball + HVOF
Seat	SS 316 + Solder Stellite # 6 SS 316 + HVOF
Stem	SS 316

VW-64Q

2-PC Trunnion Mounted Flanged Ball Valves, Full Bore, Metal Seated, ANSI Class 150

Size	1"-12" (DN 25 ~ DN 300)
Face to Face	API 6D
Connection	ASME B16.5 RF Class 150/300
Top Mounting	ISO 5211 Direct Type
Testing	API 6D
Pressure Rating	ANSI Class 150/300
	Anti-Blowout Proof Stem
	Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M Solid Ball + Hard Chrome Plated ASTM A351-CF8M Solid Ball + HVOF
Seat	SS 316 + Solder Stellite # 6 SS 316 + HVOF
Stem	SS 316



K-507Q

3-Way Flanged Ball Valves, Full Bore, T-Port, Metal Seated, ANSI Class 150

Size	1-1/4"-12" (DN 32 ~ DN 300)
	T Port / L Port
Face to Face	Mfg. Std.
Connection	ASME B16.5 RF Class 150/300 EN 1092-1 PN 16
Top Mounting	ISO 5211
Testing	API 598 EN 12266-1
Pressure Rating	ANSI Class 150/300 PN 16
	Anti-Blowout Proof Stem
	Anti-Static Structure
Body	ASTM A351-CF8M
Ball	ASTM A351-CF8M Solid Ball + Hard Chrome Plated ASTM A351-CF8M Solid Ball + HVOF
Seat	SS 316 + Solder Stellite # 6 SS 316 + HVOF
Stem	SS 316

Note

Remark:

- Technical data sheet is available upon request.
- Any material or size that we didn't mention, please kindly send your inquiry to us.
- The contents of this publication are presented for information proposes only.
- Valwell Development Enterprise Co., Ltd. reserves the right to modify or improve the designs or specifications of our products at any time without notice.