

BALL VALVE SERIES

Flanged Floating Ball Valve

Q41F

Two-piece flanged floating ball valve for natural gas, LPG and compatible industrial pipeline isolation applications.



01 Key Specifications

Product Type	Two-piece flanged floating ball valve
Nominal Size	DN15-DN200
Pressure Rating	PN16 / PN25 / PN40 / Class 150 / Class 300
Body Materials	WCB / CF8 / CF8M / CF3M
Ball Materials	SS304 / SS316 / SS316L
Seat Materials	PTFE / RPTFE
Port / Operation	Full bore or reduced bore; manual / gearbox / actuator
End Connection	ASME B16.5 / EN 1092-1 / GB/T 9113
Operating Temperature	Depends on body material, seat, seals, pressure and medium

02 Design Features & Configuration

Floating Ball Pressure-assisted seat sealing for reliable shut-off.	Two-Piece Body Bolted body construction for practical maintenance.
Port Options Full bore and reduced bore configurations.	Blow-Out-Proof Stem Stem design available for Q41F configurations.
Antistatic Design Antistatic option for gas and process service.	Actuator Mounting ISO 5211 mounting options for gearbox or actuator assembly.

03 Materials of Construction

Component	Material Options
Body / Body Cover	WCB / CF8 / CF8M / CF3M
Ball	SS304 / SS316 / SS316L / hard-chrome-plated option
Stem	SS304 / SS316 / 2Cr13 / AISI 420
Seat	PTFE / RPTFE
Gasket	PTFE / Graphite
O-ring / Secondary Seal	NBR / FKM
Stem Packing	PTFE / Graphite
Bolts / Nuts	Carbon steel / SS304 / SS316

04 Pressure Ratings & Size Coverage

Size	PN16	PN25	PN40	Class 150	Class 300
DN15	Yes	Yes	On Request	Yes	On Request
DN20	Yes	Yes	On Request	Yes	On Request
DN25	Yes	Yes	Yes	Yes	On Request
DN32	Yes	Yes	Yes	Yes	On Request
DN40	Yes	Yes	Yes	Yes	On Request
DN50	Yes	Yes	Yes	Yes	On Request
DN65	Yes	Yes	Yes	Yes	On Request
DN80	Yes	Yes	Yes	Yes	On Request
DN100	Yes	Yes	Yes	Yes	On Request
DN125	Yes	Yes	Yes	Yes	On Request
DN150	Yes	Yes	Yes	Yes	On Request
DN200	Yes	Yes	On Request	Yes	Yes

05 Dimensions & Weight - PN16 / EN 1092-1

DN	L	D	K	n-d	H	Weight
15	130	95	65	4-14	~80	~2.5
20	150	105	75	4-14	~85	~3.2
25	160	115	85	4-14	~95	~4.5
32	180	140	100	4-18	~105	~6.5
40	200	150	110	4-18	~115	~8.5
50	230	165	125	4-18	~125	~12
65	290	185	145	4-18	~145	~18
80	310	200	160	8-18	~160	~25
100	350	220	180	8-18	~180	~36
125	400	250	210	8-18	~210	~55
150	480	285	240	8-22	~240	~80
200	600	340	295	12-22	~290	~140

06 Standards & Certifications

Design / Manufacturing	GB/T 12237 / API 608 / ISO 17292
Flange Standard	ASME B16.5 / EN 1092-1 / GB/T 9113
Face-to-Face	ASME B16.10 / EN 558 / GB/T 12221
Inspection / Pressure Testing	API 598 / ISO 5208 / GB/T 13927
Fire-Safe Design	API 607 / API 6FA
Low-Emission Qualification	ISO 15848-1
Gas Product Standards	EN 331 / EN 13774
EU Conformity	PED 2014/68/EU
Quality Management	ISO 9001

07 Quality & Documentation

Pressure Test Report Supplied with each order.	Material Certificate MTC available with order documentation.
Dimensional Inspection Inspection report available.	Third-Party Inspection SGS / BV / TUV supported.
Export Packing Export packing for international shipments.	Order Documentation Inspection and document package support.

08 Applications

- Natural gas distribution and industrial gas pipelines
- LPG transfer and distribution systems
- Gas pressure-regulating stations and utility skids
- Equipment isolation points
- Water, oil and compatible industrial process lines

09 Product Views



ZEMIN GAS | Flanged Floating Ball Valve - Q41F

10 Frequently Asked Questions

01 Do you provide test reports?

Yes. Each order can be supplied with a pressure test report and material certificate.

02 Can you provide a drawing?

Yes. A general arrangement drawing can be provided for review before order.

03 Do you support OEM?

Yes. OEM nameplate and packing are available.

04 What is the warranty?

12 months, according to the order quotation and warranty terms.