

SSP Product Announcement – FB Series Ball Valves

SSP is adding FB Series Ball Valves to its growing FloLok instrumentation valve product line.

FB Series valves offer a superior choice to customers with requirements for floating ball valves with a wider effective pressure range, easier actuation, better cycle life and higher overall product range than many options, including the SSP 300 series. FB Series will be offered in two body/orifice sizes. **Both sizes are available for immediate order.**

Valve Size	Ball Orifice	Cv
36	0.250	2.5
38	0.472	13.8

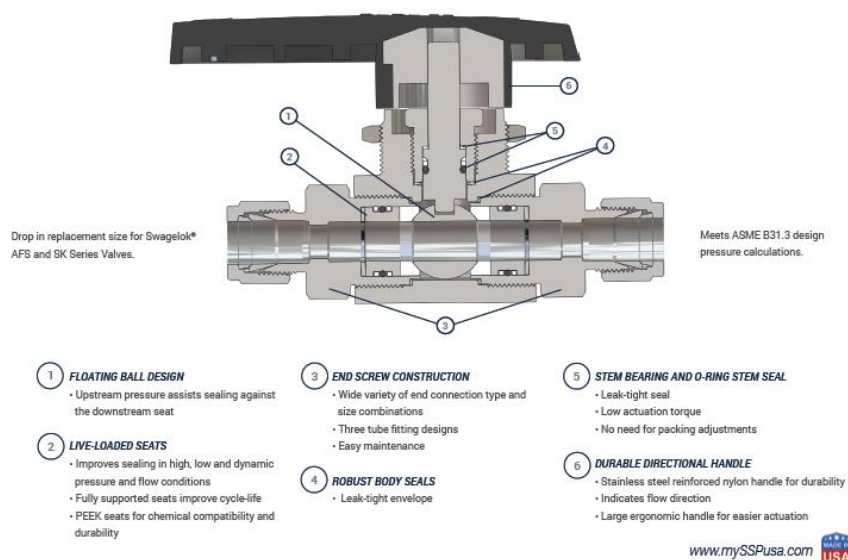
Product Design

Below is a summary of product features and benefits. For more information please see the [FB Series Catalog](#).

- Floating ball design allows upstream pressure to assist the ball in seating against the downstream seat.
- Live loaded PEEK seats improve sealing in high, low and dynamic pressure and flow conditions, while compensating for seat wear and reducing actuation torque.
- O-ring stem seal and stem bearing work together to reduce torque.
- The three-piece design's end screw construction provides a wide variety of end connection types and size combinations, including Duolok, Unilok and Griplok tube fitting ends, *something no other manufacturer offers*. This end screw design also supports the seat to prevent deformation under high pressure, and makes maintenance easier.
- Robust body and stem seals ensure a leak-tight envelope.
- Directional nylon handle has a stainless steel insert to improve durability.
- Drop-in replacement size for Swagelok AFS and SK series ball valves



FB Series Multipurpose Ball Valves



Specifications

- **Configurations:** 2-way straight valve
- **Working Pressure:** up to 6000 psig (413 bar)
- **Temperature Range:** -40 to 400°F (-40 to 204°C)
- **Flow Coefficient (Cv):** up to 13.8 at 6000 psig (413 bar) and 250°F (121°C)
- **Body Material:** Forged 316 SS
- **O-ring Material:** FKM/Low Temperature Nitrile
- **Seat Material:** PEEK
- **End Connection Types:** Duolok (Fractional/Metric), Unilok, Griplik, NPT, ISO Tapered, ORFS
- **End Connection Sizes:** 1/4 to 1 in. (6 to 16mm). [See the catalog](#) for sizes for each end type.

Options

FB Series ball valves will be offered with the options below. For pricing, see the attached price list or contact SSP Customer Service.

- Duolok, Griplik and Unilok end connections
- Handle colors
- Locking handles
- Actuator adapters
- Special cleaning and lubrication
- Sour gas service
- Tamper-resistant

LFB Series Low-Temperature Ball Valves

LFB low-temperature ball valves are designed with materials selected for applications requiring temperature ratings from -40 to 200°F (-40 to 93°C), pressure ratings up to 6000 psig (414 bar) and flow coefficients up to 13.8.

Packaging

Valves are individually bagged and boxed. Valves may be ordered in any quantity.

Inventory/Lead Times

FB Series valves are available with normal lead times for planned orders. SSP has thousands of valve components ready to assemble for fast shipment, and some popular configurations are assembled and ready to ship. Call Customer Service for the actual lead times for your orders.


Literature, Presentation, other Communications


Electronic versions of the resources below are posted on the Distributor Portal Resource Center.

- FB Series Catalog
- FB Series Sales Presentation
- FB Series Product Feature Card

Training

There are multiple training options available. Please contact your Regional Manager or Marketing.

Configuration	Part Number (add suffix for ordering)	316ss (-316)	Brass (-B)	Swagelok	Parker	Description
 FB Multipurpose Ball Valves	36PD4	\$ 129.90		4SKPS4	4A-B6LSPKR	FB Series 2WBALL V 36, 1/4 in. Tube Fitting
	36PD6	\$ 132.70		4SKPS6	6A-B6LSPKR	FB Series 2WBALL V 36, 3/8 in. Tube Fitting
	38PD8	\$ 267.80		AFSS8	8A-B8LSPKR	FB Series 2WBALL V 38, 1/2 in. Tube Fitting
	38PD12	\$ 287.20		AFSS12		FB Series 2WBALL V 38, 3/4 in. Tube Fitting
	38PD16	\$ 316.00		AFSS16		FB Series 2WBALL V 38, 1 in. Tube Fitting
	36PDM6	\$ 129.90		4SKPS6MM	M6A-B6LSPKR	FB Series 2WBALL V 36, 6mm Tube Fitting
	36PDM8	\$ 132.70		4SKPS8MM	M8A-B6LSPKR	FB Series 2WBALL V 36, 8mm Tube Fitting
	36PDM10	\$ 145.00			M10A-B6LSPKR	FB Series 2WBALL V 36, 10mm Tube Fitting
	38PDM12	\$ 267.80		AFSS12MM	M12A-B8LSPKR	FB Series 2WBALL V 38, 12mm Tube Fitting
	38PDM16	\$ 283.50		AFSS16MM	M16A-B8LSPKR	FB Series 2WBALL V 38, 16mm Tube Fitting
	36P4PF	\$ 123.40		4SKPF4	4F-B6LSPKR	FB Series 2WBALL V 36, 1/4 in. FNPT
	38P6PF	\$ 283.40		AFSF6	6F-B8LSPKR	FB Series 2WBALL V 38, 3/8 in. FNPT
	38P8PF	\$ 258.20		AFSF8	8F-B8LSPKR	FB Series 2WBALL V 38, 1/2 in. FNPT
	38P12PF	\$ 276.90		AFSF12	12F-B8LSPKR	FB Series 2WBALL V 38, 3/4 in. FNPT
	36P4PM	\$ 123.40		4SKPM4	4M-B6LSPKR	FB Series 2WBALL V 36, 1/4 in. MNPT
	36P6PM	\$ 126.00			6M-B6LSPKR	FB Series 2WBALL V 36, 3/8 in. MNPT
	38P8PM	\$ 258.20			8M-B8LSPKR	FB Series 2WBALL V 38, 1/2 in. MNPT
	38P12PM	\$ 276.90				FB Series 2WBALL V 38, 3/4 in. MNPT
	36P4FRT	\$ 123.40		4SKPF4RT		FB Series 2WBALL V 36, 1/4 in. Female ISO Tapered
	38P8FRT	\$ 267.20		AFSF8RT		FB Series 2WBALL V 38, 1/2 in. Female ISO Tapered
	36PS6	\$ 132.70				FB Series 2WBALL V 36, 3/8 in. Male ORFS
	38PS8	\$ 267.80				FB Series 2WBALL V 38, 1/2 in. Male ORFS

Configuration	Part Number (add suffix for ordering)	316ss (-316)	Brass (-B)	Swagelok	Parker	Description
Low Temp FB Multipurpose Ball Valves 	36PSS6	\$ 143.60				FB Series 2WBALL V 36, 1/4 in. Female ORFS
	38PSS8	\$ 289.23				FB Series 2WBALL V 38, 1/2 in. Female ORFS
	L36PD4	\$ 134.90		L4SKPS4	4A-B6LS2	FB Series 2WBALL V 36, 1/4 in. Tube Fitting, Low Temp
	L36PD6	\$ 137.70		L4SKPS6	6A-B6LS2	FB Series 2WBALL V 36, 3/8 in. Tube Fitting, Low Temp
	L38PD8	\$ 272.80		AFSS-BCS	8A-B8LS2	FB Series 2WBALL V 38, 1/2 in. Tube Fitting, Low Temp
	L38PD12	\$ 292.20		AFSS12-BCS		FB Series 2WBALL V 38, 3/4 in. Tube Fitting, Low Temp
	L38PD16	\$ 321.00		AFSS16-BCS		FB Series 2WBALL V 38, 1 in. Tube Fitting, Low Temp
	L36PDM6	\$ 134.90		L4SKPS6MM	M6A-B6LS2	FB Series 2WBALL V 36, 6mm Tube Fitting, Low Temp
	L36PDM8	\$ 137.70		L4SKPS8MM	M8A-B6LS2	FB Series 2WBALL V 36, 8mm Tube Fitting, Low Temp
	L36PDM10	\$ 150.00			M10A-B6LS2	FB Series 2WBALL V 36, 10mm Tube Fitting, Low Temp
	L38PDM12	\$ 272.80		AFSS12MM-B	M12A-B8LS2	FB Series 2WBALL V 38, 12mm Tube Fitting, Low Temp
	L38PDM16	\$ 288.50		AFSS16MM-B	M16A-B8LS2	FB Series 2WBALL V 38, 16mm Tube Fitting, Low Temp
	L36P4PF	\$ 128.40		L4SKPF4	4F-B6LS2	FB Series 2WBALL V 36, 1/4 in. FNPT, Low Temp
	L38P6PF	\$ 288.40		AFSF6-BCS	6F-B8LS2	FB Series 2WBALL V 38, 3/8 in. FNPT, Low Temp
	L38P8PF	\$ 263.20		AFSF8-BCS	8F-B8LS2	FB Series 2WBALL V 38, 1/2 in. FNPT, Low Temp
	L38P12PF	\$ 281.90		AFSF1-BCS	12F-B8LS2	FB Series 2WBALL V 38, 3/4 in. FNPT, Low Temp
	L36P4PM	\$ 128.40		L4SKPM4	4M-B6LS2	FB Series 2WBALL V 36, 1/4 in. MNPT, Low Temp
	L36P6PM	\$ 131.00			6M-B6LS2	FB Series 2WBALL V 36, 3/8 in. MNPT, Low Temp
	L38P8PM	\$ 263.20			8M-B8LS2	FB Series 2WBALL V 38, 1/2 in. MNPT, Low Temp
	L38P12PM	\$ 281.90				FB Series 2WBALL V 38, 3/4 in. MNPT, Low Temp
	L36P4FRT	\$ 128.40		L4SKPF4RT		FB Series 2WBALL V 36, 1/4 in. Female ISO Tapered, Low Temp
	L38P8FRT	\$ 272.20		AFSF8RT-BCS		FB Series 2WBALL V 38, 1/2 in. Female ISO Tapered, Low Temp
	L36PS6	\$ 137.70				FB Series 2WBALL V 36, 1/4 in. Male ORFS, Low Temp
	L38PS8	\$ 272.80				FB Series 2WBALL V 38, 1/2 in. Male ORFS, Low Temp
	L36PSS6	\$ 148.60				FB Series 2WBALL V 36, 1/4 in. Female ORFS, Low Temp
	L38PSS8	\$ 294.23				FB Series 2WBALL V 38, 1/2 in. Female ORFS, Low Temp

Configuration	Part Number (add suffix for ordering)	316ss (-316)	Brass (-B)	Swagelok	Parker	Description
Locking Kits for FB Multipurpose Ball Valves	36-LDK-316	\$ 24.75				FB Series 2WBALL V 36, Locking Kit
	38-LDK-316	\$ 28.25				FB Series 2WBALL V 38, Locking Kit
Actuator Brackets & Couplings	36-MB-F04-11ISO-M	\$ 62.50				FB Series 2WBALL V 36, ISO 5211 Flange Size F04, 11 mm ISO - Metric
	36-MB-F04-11ISO-F	\$ 62.50				FB Series 2WBALL V 36, ISO 5211 Flange Size F04, 11 mm ISO - Fractional
	36-MB-F04-11DIN-M	\$ 62.50				FB Series 2WBALL V 36, ISO 5211 Flange Size F04, 11 mm DIN - Metric
	36-MB-F04-11DIN-F	\$ 62.50				FB Series 2WBALL V 36, ISO 5211 Flange Size F04, 11 mm DIN - Fractional
	36-MB-F05-11ISO-M	\$ 62.50				FB Series 2WBALL V 36, ISO 5211 Flange Size F05, 11 mm ISO - Metric
	36-MB-F05-11ISO-F	\$ 62.50				FB Series 2WBALL V 36, ISO 5211 Flange Size F05, 11 mm ISO - Fractional
	36-MB-F05-11DIN-M	\$ 62.50				FB Series 2WBALL V 36, ISO 5211 Flange Size F05, 11 mm DIN - Metric
	36-MB-F05-11DIN-F	\$ 62.50				FB Series 2WBALL V 36, ISO 5211 Flange Size F05, 11 mm DIN - Fractional
	36-MB-F05-14ISO-M	\$ 67.10				FB Series 2WBALL V 36, ISO 5211 Flange Size F05, 14 mm ISO - Metric
	36-MB-F05-14ISO-F	\$ 67.10				FB Series 2WBALL V 36, ISO 5211 Flange Size F05, 14 mm ISO - Fractional
	36-MB-F05-14DIN-M	\$ 67.10				FB Series 2WBALL V 36, ISO 5211 Flange Size F05, 14 mm DIN - Metric
	36-MB-F05-14DIN-F	\$ 67.10				FB Series 2WBALL V 36, ISO 5211 Flange Size F05, 14 mm DIN - Fractional
	45-MB-F05-11ISO-M	\$ 62.50				FB Series 2WBALL V 38, ISO 5211 Flange Size F05, 11 mm ISO - Metric
	45-MB-F05-11ISO-F	\$ 62.50				FB Series 2WBALL V 38, ISO 5211 Flange Size F05, 11 mm ISO - Fractional
	45-MB-F05-11DIN-M	\$ 62.50				FB Series 2WBALL V 38, ISO 5211 Flange Size F05, 11 mm DIN - Metric
	45-MB-F05-11DIN-F	\$ 62.50				FB Series 2WBALL V 38, ISO 5211 Flange Size F05, 11 mm DIN - Fractional
	45-MB-F05-14ISO-M	\$ 67.10				FB Series 2WBALL V 38, ISO 5211 Flange Size F05, 14 mm ISO - Metric
	45-MB-F05-14ISO-F	\$ 67.10				FB Series 2WBALL V 38, ISO 5211 Flange Size F05, 14 mm ISO - Fractional
	45-MB-F05-14DIN-M	\$ 67.10				FB Series 2WBALL V 38, ISO 5211 Flange Size F05, 14 mm DIN - Metric
	45-MB-F05-14DIN-F	\$ 67.10				FB Series 2WBALL V 38, ISO 5211 Flange Size F05, 14 mm DIN - Fractional
	45-MB-F05-17ISO-M	\$ 71.70				FB Series 2WBALL V 38, ISO 5211 Flange Size F05, 17 mm ISO - Metric
	45-MB-F05-17ISO-F	\$ 71.70				FB Series 2WBALL V 38, ISO 5211 Flange Size F05, 17 mm ISO - Fractional
	45-MB-F05-17DIN-M	\$ 71.70				FB Series 2WBALL V 38, ISO 5211 Flange Size F05, 17 mm DIN - Metric
	45-MB-F05-17DIN-F	\$ 71.70				FB Series 2WBALL V 38, ISO 5211 Flange Size F05, 17 mm DIN - Fractional
	45-MB-F07-17ISO-M	\$ 71.70				FB Series 2WBALL V 38, ISO 5211 Flange Size F07, 17 mm ISO - Metric
	45-MB-F07-17ISO-F	\$ 71.70				FB Series 2WBALL V 38, ISO 5211 Flange Size F07, 17 mm ISO - Fractional
	45-MB-F07-17DIN-M	\$ 71.70				FB Series 2WBALL V 38, ISO 5211 Flange Size F07, 17 mm DIN - Metric
	45-MB-F07-17DIN-F	\$ 71.70				FB Series 2WBALL V 38, ISO 5211 Flange Size F07, 17 mm DIN - Fractional



