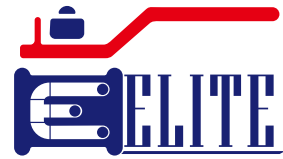
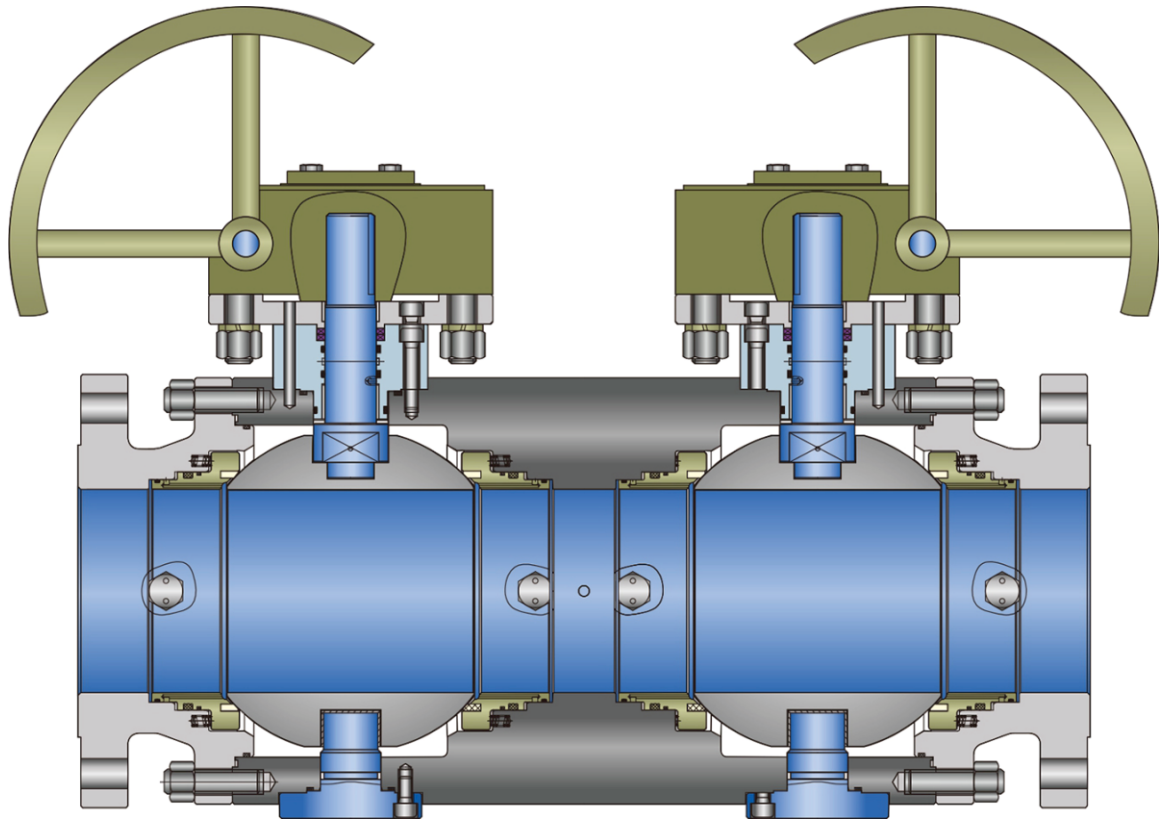


MODEL NO.:EFC-02BV1R7  
 Size:2" ~ 24" (DN50 ~ DN600)  
 Class:CL150 ~ CL2500



# DOUBLE BLOCK AND BLEED BALL VALVE

## TRUNNION TYPE



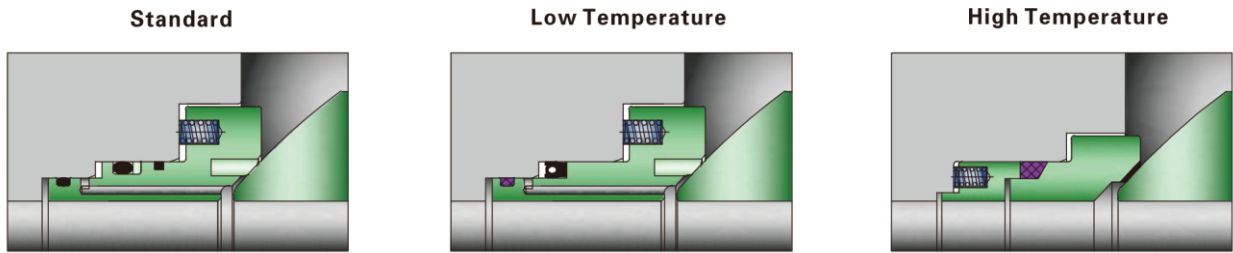
PRODUCT RANGE				
SERVICE	CL150~600	CL900	CL1500	CL2500
FLOATING TYPE	1/2"~6"	1/2"~2"	1/2"~2"	1/2"~1"
TRUNNION TYPE	2"~24"	2"~24"	2"~24"	2"~12"

### DESIGN FEATURES

- Forged Body
- Flange Connection according. to ASME B16.5
- Face to Face according. to supplier recommendation
- Lever lockable and removable, Gear box operation as Standard. Actuator mounting flanges, unless otherwise specified, are in full according with ISO 5211
- Soft Seat or Metal Seat
- Double Piston Effect
- Vent Connections :  
 Integral Vent Valve-- Needle Type  
 Screwed Bonnet or Flanged Bonnet  
 Screwed Vent Valve--Ball Valve

The material is according to ASTM Standard.  
 Model Denote:EFC=Elite Flow Control | 02=Size in inch | BV=Ball Valve | 1=150Lb | R=RF End | 7=Trunnion, DBB Type.

## SEAT & SEAL DESIGN FEATURES



### Optional Seat Selections

Material	Operating Temperature	Operating Pressure	Description
PTFE	-80~120°C -112~248°F	150LB	PTFE is a fluorocarbon-based polymer. This material has the lowest operational torques due to its lower coefficient of friction.
RPTFE	-80~120°C -112~248°F	150~600LB	RPTFE (Reinforced PTFE). Properties are enhanced by adding a percentage of filler material to provide improved strength, stability, and wear resistance.
PCTFE	-190~120°C -310~248°F	150~300LB	PCTFE is a thermoplastic chlorofluoropolymer, dimensionally stable, rigid, and resistant to cold flow, Very low gas permeation and outgassing, Low deformation under load
PPL	-45~250°C -49~482°F	150~300LB	PPL (Polyparaphenylene) is an excellent seat material with low coefficient of friction, highly resistant to pressure and temperature.
NYLON	-29~80°C -20~176°F	150~1500LB	Nylon is offered for high pressure applications. The material is ideal for use in high pressure air, oil, and other gas media but is not suitable for strong oxidizing agents
MOLON	-29~130°C -20~266°F	150~1500LB	Molon is a modified Nylon (Nylon+MoS2), its performance is similar to nylon, but the use temperature is higher than nylon
DEVLON	-50~150°C -58~302°F	150~2500LB	Devlon is a polyamide with additives. This material covers a wide range of applications while having excellent wear properties, low friction, and improved impact strength.
PEEK	-100~260°C -148~500°F	150~2500LB	PEEK is a high performance engineered thermoplastic. It is excellent in water/chemical resistance and it is unaffected by continuous exposure to hot water/steam
Metal	As request	150~2500LB	Metal seat is usually used for high temperature, wear resistance, impact resistance, granular media conditions

### Optional Seal Selections

Material	Operating Temperature	Operating Pressure	Description
EPDM	-46~150° C -50~302° F	150~600LB	EPDM is a type of synthetic rubber, have excellent chemical resistance to a variety of acids and alkalines, but can not resistant to petroleum conditions
NBR	-40~80° C -40~176° F	150~2500LB	NBR is typically resistant to mineral oil-based lubricants and greases, hydraulic fluids, hydrocarbons, and water.
HNBR	-40~80° C -40~176° F	150~2500LB	HNBR (Hydrogenated NBR) has similar media stability to NBR but with significantly better heat and oxidization stability.
HNBR AED	-40~80° C -40~176° F	600~2500LB	HNBR AED are typically used in high pressure applications encountered in the Oil and Gas industry.
VITON	-29~200° C -20~392° F	150~2500LB	VITON (fluorocarbon) is a fluorocarbon elastomer that is compatible with a broad range of chemicals, Viton offers excellent resistance to aggressive fuels and chemicals.
FVMQ	-60~177° C -76~351° F	150~2500LB	FVMQ is a silicone polymer chain, this material is far more resistant to oils and fuels than other silicones.