

SERVICE	CL1 50-600	CL900	CL1500	CL2500
FLOATING	1/2"-6"	1/2"-2"	1/2'-2'	1/21-1"
TYPE	2"-24"	2"-24"	21-24"	2"-12"

TRUNNION TYPE

CL1 50-600  
1/2"-6"  
2"-24"

CL900  
1/2"-2"  
2"-24"

CL1500  
1/2'-2'  
21-24"

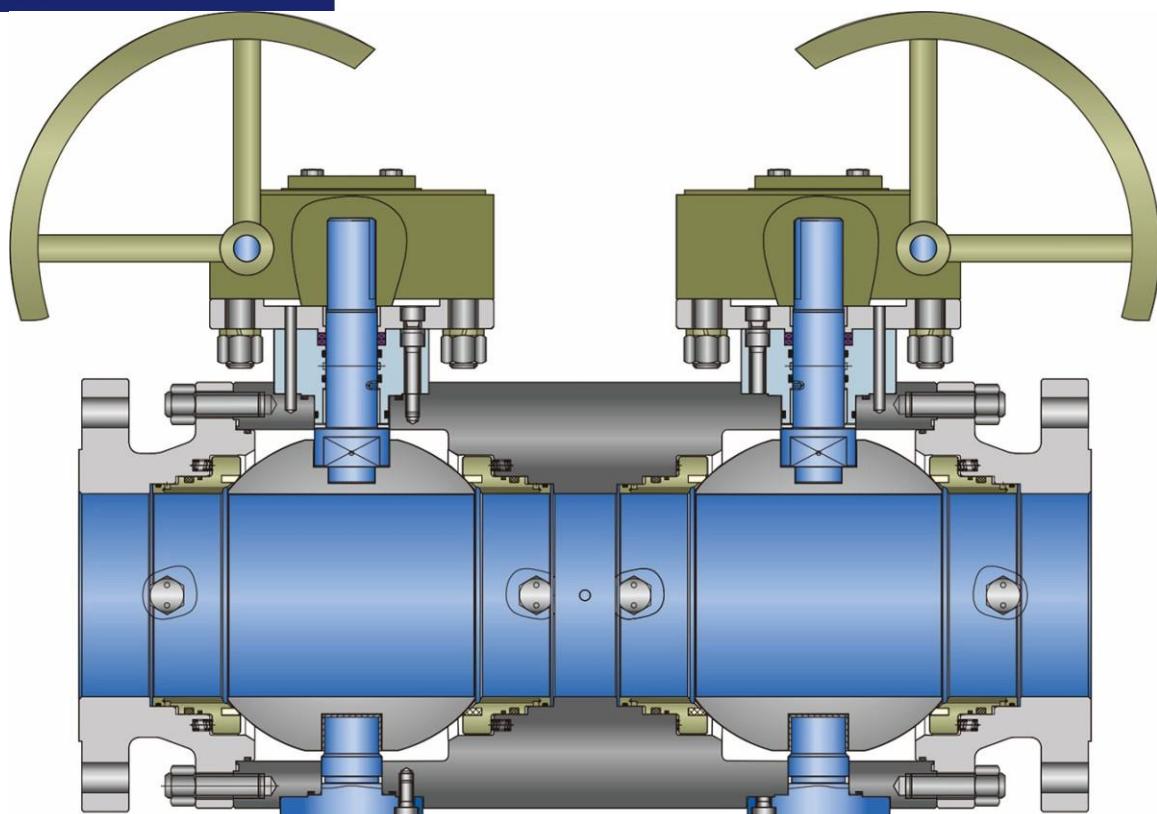
CL2500  
1/21-1"  
2"-12"

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



## DOUBLE BLOCK AND BLEED BALL VALVE

### TRUNNION TYPE



### PRODUCT RANGE

### DESIGN FEATURES

e Forged Body e Flange Connection according to ASME B16.5 e Face to Face according to supplier recommendation e Lever lockable and removable, Gear box operation as Standard. Actuator mounting flanges, unless otherwise specified, are in full according with ISO 5211

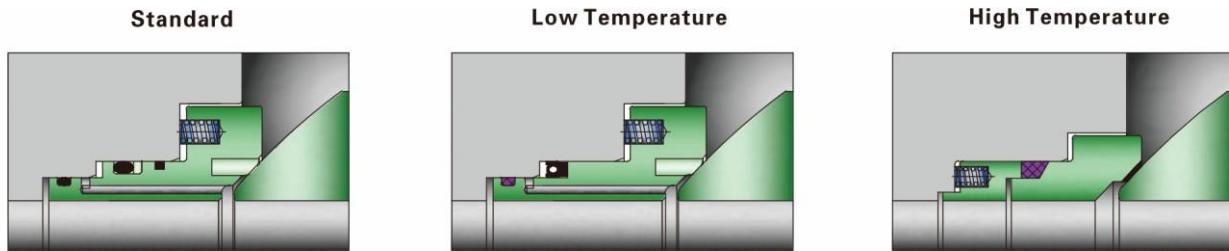
Soft Seat or Metal Seat  
Double Piston Effect  
Vent Connections:  
Integral Vent Valve—Needle Type  
Screwed Bonnet or Flanged Bonnet Screwed Vent Valve—Ball Valve

The material is according to ASTM Standard.

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



## SEAT & SEAL DESIGN FEATURES



### Optional Seat Selections

Material	Operating Temperature	Operating Pressure	Description
PTFE	2480F	150LB -112-	
RPTFE		-80-1200	
PCTFE	112-2480F	150-600LB -	
		-190-1200	
		150-300LB	
NYLON		-310-2480F	
MOLON		-45-2500	
DEVLON		150-300LB	
PEEK		-49-4820F	
Metal		-29-800	
		150-1500LB	
		-20-1760F	
		-29-130t	
		150-1500LB	
		-20-2660F	
		-50-1500	
150-2500LB		-58-3020F	
		-100-2600	
		150-2500LB -148-5000F	
		As request	150-2500LB
	Operating Temperature	Operating Pressure	

### Optional Seal Selections

Material			
EPDM		-46-150°c	150-600LB
NBR	150-25001B	-50-3020 F -40-80 c	
HNBR	150-2500LB	-40-1760 F -40-80°c	
HNBR AED		-40-1760 F -40-80°c	
VITON	600-2500LB	-40-1760 F	
FVMQ		-29-200°c	
		-20-3920 F	
		-60-1770 c	
		150-2500LB	
		-76-3510 F	

PTFE is a fluorocarbon-based polymer. This material has the lowest operational torques due to its lower coefficient of friction.

RPTFE (Reinforced PTFE). Properties are enhanced by adding a percentage of filler material to provide improved strength, stability, and wear resistance.

PCTFE is a thermoplastic chlorofluoropolymer, dimensionally stable, rigid, and resistant to cold flow. Very low gas permeation and outgassing. Low deformation under load.

PPL (Polyparaphenylene) is an excellent seat material with low coefficient of friction, highly resistant to pressure and temperature.

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 is a modified Nylon(Nylon+MoS2),It's performance is similar to nylon, but the use temperature is higher than nylon

Devlon is a polyamide with additiveso This material covers a wide range of applications while having excellent wear properties, low friction, and improved impact strength.

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 seat is usually used for high temperature, wear resistance, impact resistance, granular media conditions

#### Description

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 is typically resistant to mineral oil—based lubricants and greases, hydraulic fluids, hydrocarbons, and water.

HNBR (Hydrogenated NBR) has similar media stability to NBR but with significantly better heat and oxidization stability.

HNBR AED are typically used in high pressure applications encountered in the Oil and Gas industry.

VI TON (fluorocarbon) is a fluorocarbon elastomer that is compatible with a broad range of chemicals,Viton offers excellent resistance to aggressive fuels and chemicals.

FVMQ is a silicone polymer chain ,this material is far more resistant to oils and fules than other silicones.

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