

	SERVICE	
	FLOATING	
	TYPE	
	TRUNNION TYPE	

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

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

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

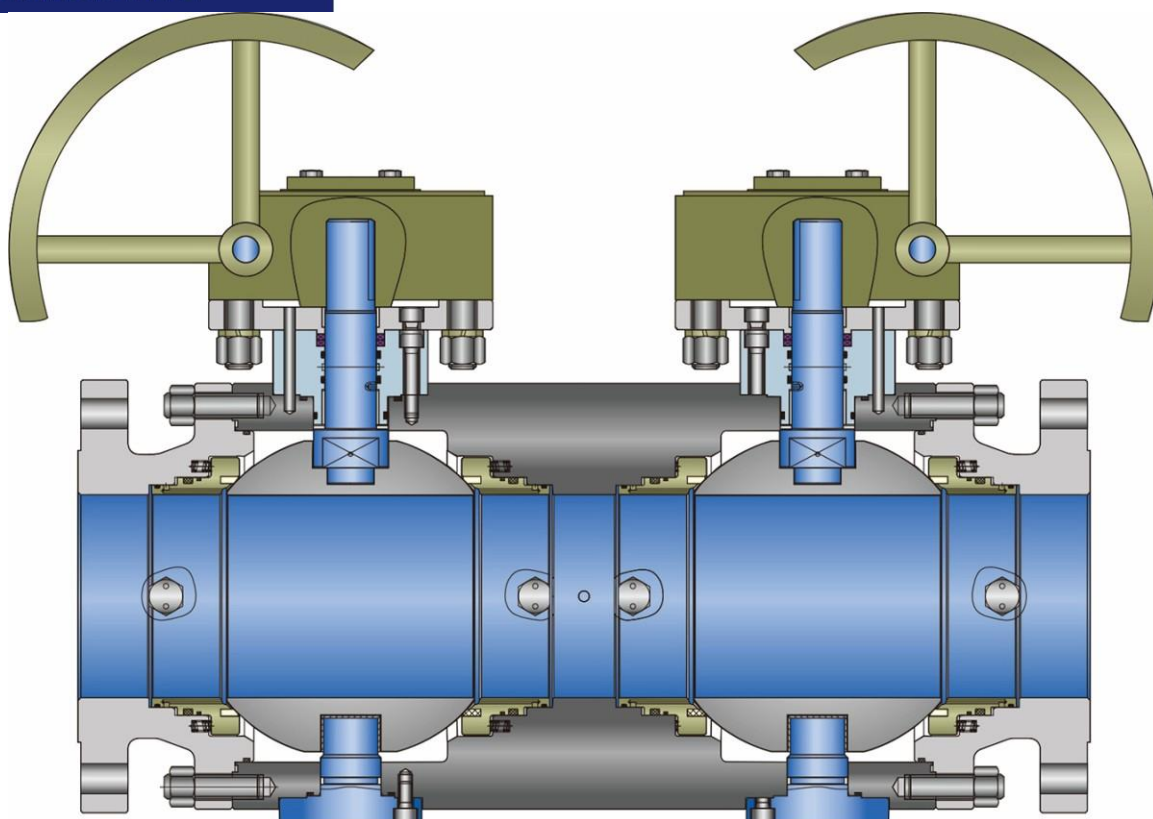
CL2500
1/21-
1"
2"-12"

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



DOUBLE BLOCK AND BLEED BALL VALVE

TRUNNION TYPE



PRODUCT RANGE

DESIGN FEATURES

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 accordance with ISO 5211.

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.

Soft Seat or Metal Seat

Double Piston Effect

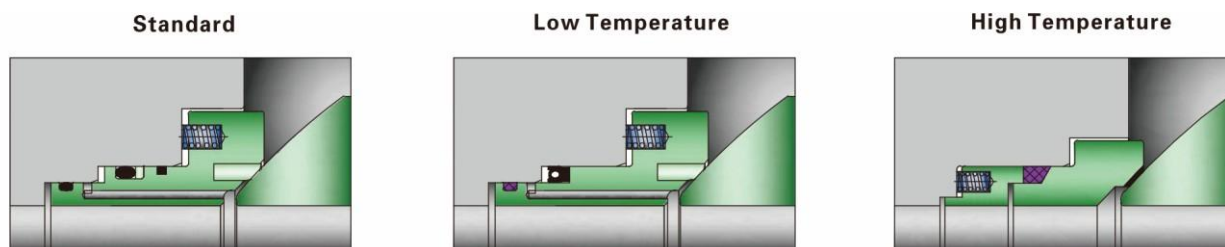
Vent Connections:

Integral Vent Valve— Needle Type

Screwed Bonnet or Flanged Bonnet Screwed Vent Valve—

Ball Valve

SEAT & SEAL DESIGN FEATURES



Optional Seat Selections

Material	Operating Temperature	Operating Pressure	Description																											
PTFE	-248F	150LB -112-	<h3>Optional Seal Selections</h3> <table><tr><th>Material</th><th>Temperature Range</th><th>Pressure Rating</th></tr><tr><td>EPDM</td><td>-46-150° c</td><td>150-600LB</td></tr><tr><td>NBR</td><td>-50—3020 F -40-80° c</td><td>150-25001B</td></tr><tr><td>HNBR</td><td>-40—1760 F -40-80° c</td><td>150-2500LB</td></tr><tr><td>HNBR AED</td><td>-40—1760 F -40-80° c</td><td>600-2500LB</td></tr><tr><td>VITON</td><td>-40-1760 F</td><td>150-2500LB</td></tr><tr><td>FVMQ</td><td>-29-200° c</td><td>150-2500LB</td></tr><tr><td></td><td>-20-3920 F</td><td>150-2500LB</td></tr><tr><td></td><td>-60-1770 c</td><td>150-2500LB</td></tr></table>	Material	Temperature Range	Pressure Rating	EPDM	-46-150° c	150-600LB	NBR	-50—3020 F -40-80° c	150-25001B	HNBR	-40—1760 F -40-80° c	150-2500LB	HNBR AED	-40—1760 F -40-80° c	600-2500LB	VITON	-40-1760 F	150-2500LB	FVMQ	-29-200° c	150-2500LB		-20-3920 F	150-2500LB		-60-1770 c	150-2500LB
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RPTFE	-80-1200	150-600LB -																												
PCTFE	112-2480F	-190-1200																												
		150-300LB																												
NYLON	-310-2480F	-45-2500																												
MOLON		150-300LB																												
DEVLOK	-49-4820F	-29-800																												
PEEK	150-1500LB	-20-1760F																												
Metal		-29-130t																												
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	-20-2660F																													
	-50-1500																													
150-2500LB	-58-3020F																													
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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, riaid, and resistant to cold flow,Very low gas permeation and outgassing,Low derormation 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 additives This material covers a wide range of applications while having excellent wear poperties, 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 condotions

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.