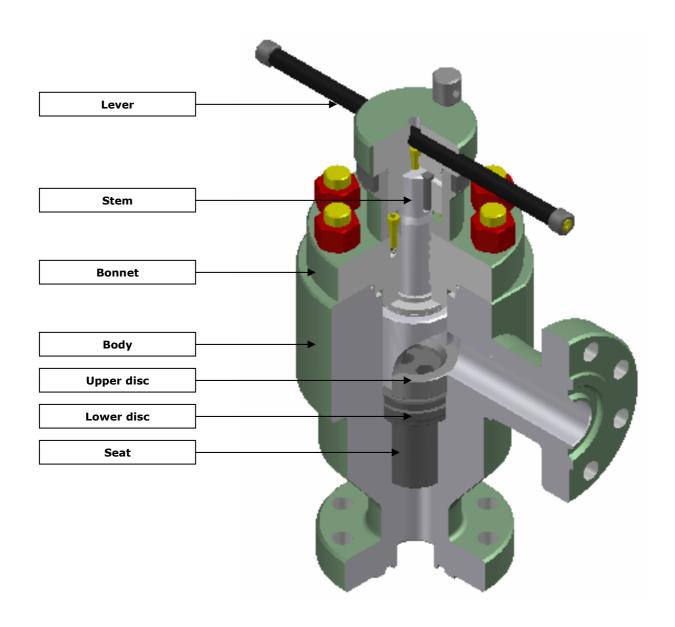


CHOKES API 6A

Rotary Control Choke Type BCR





Rotary Control Choke Type BCR



TECHNICAL DESCRIPTION

Description:

The BREDA ENERGIA Rotary Control Choke type BCR, is designed to provide precise flow control throughout its entire operating range. The throttling mechanism made up by two circulars discs of hardened material is deceiving in its simplicity. Each disc has a pair of precise orifices placed in such a manner that when one disc is fixed in the valve body, the other may be rotated through 90° to expose all or part of the orifice's flow area. This system also insures a tight shut-off when the orifices of one disc are covered by the blank portions of the other.

Design Code:

API 6A / ISO 10423

Option features:

Metal to Metal Bonnet Seal Stem Locking Assembly

Remarks:

On request, Breda Energia will issue various technical solutions not listed in this catalogue. Years of experience in products for distribution of oil & gas allows Breda Energia to supply products on special client specifications.



- API 6A -

Product Range

Service	Pressure Range API 6A (Psi)				
	API 2000 - 3000 - 5000	API 10000	API 15000		
Standard Range (Inch)	1.13/16 up to 7.1/16	1.13/16 up to 7.1/16	1.13/16 up to 5.1/8		
	Disc Orifice Size				
	1/4", 3/8",1/2", 3/4", 1", 1.1/2", 2"				

Material requirements

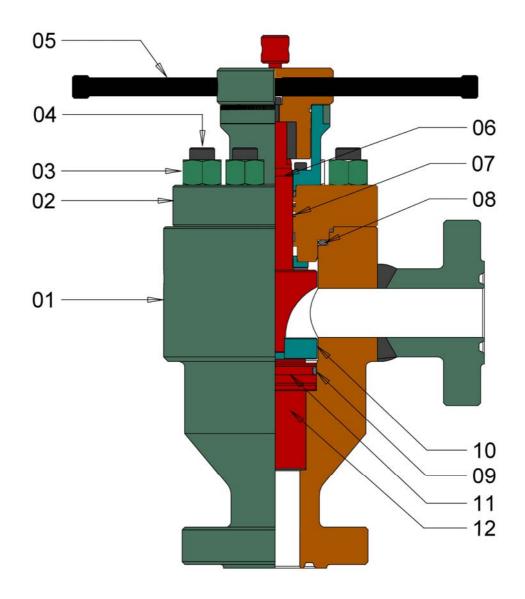
Service Conditions	Trim	Minimum material requirements		
API 6A Classification		Body, bonnet end and outlet connections	Pressure-controlling parts, stems and mandrel hangers	
General Service	AA	Carbon or low-alloy steel	Carbon or low-alloy steel	
General Service	ВВ	Carbon or low-alloy steel	Stainless Steel	
General Service	сс	Stainless Steel	Stainless Steel	
Sour Service ^a	DD	Carbon or low-alloy steel ^b	Carbon or low-alloy steel ^b	
Sour Service ^a	EE	Carbon or low-alloy steel ^b	Stainless Steel ^b	
Sour Service ^a	FF	Stainless Steel ^b	Stainless Steel ^b	
Sour Service ^a	нн	CRAs ^b	CRAs ^b	
a As defined be NACE MR 0175; b In compliance with NACE MR 0175.				

Temperature ratings

	Operating Range				
Temperature Classification	°F from min. up to Max.		°C from min. up to Max.		
	min.	Max.	min.	Max.	
K	-75	180	-60	82	
L	-50	180	-46	82	
Р	-20	180	-29	82	
R	Room temperature		Room temperature		
s	0	150	-18	66	
Т	0	180	-18	82	
U	0	250	-18	121	
V	35	250	2	121	



Part List & Spare Parts



Part N°	Description	Recommended Spare Parts	Part N°	Description	Recommended Spare Parts
01	Body	n.a.	07	Stem packing	Yes
02	Bonnet	n.a.	08	Body/bonnet gaskets	Yes
03	Body Stud Nuts	n.a.	09	Seat gasket	Yes
04	Body Studs	n.a.	10	Upper disc	Yes
05	Lever	n.a.	11	Lower disc	Yes
06	Stem	n.a.	12	Seat	Yes