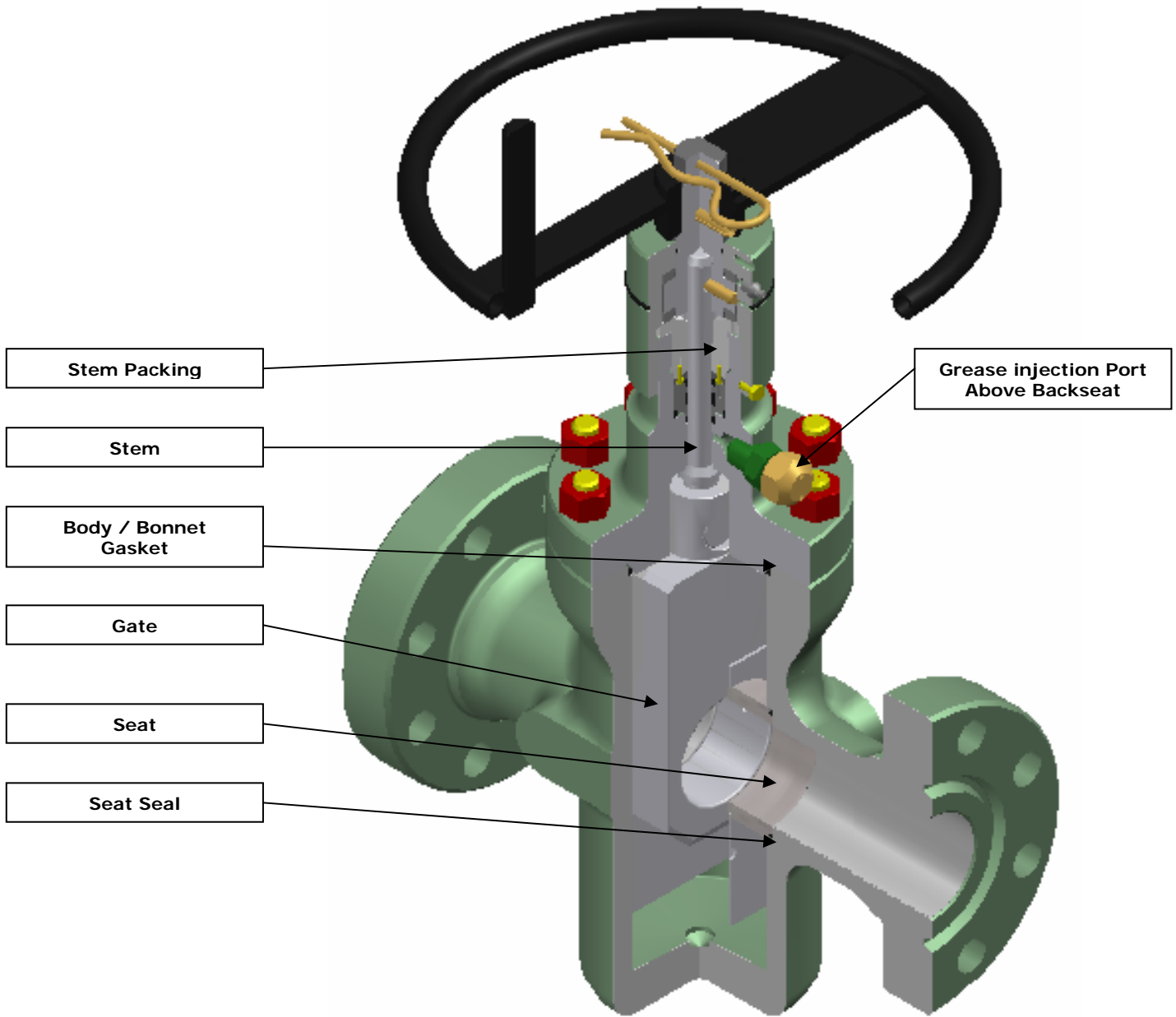




# **SLAB GATE VALVES API 6A**

**Through Conduit  
Slab Gate Valve  
BGA type**



**SLAB GATE VALVES**  
**BGA type**



## TECHNICAL DESCRIPTION

### Description:

ON/OFF service valve, through-conduit, forged Bodies, slab gate, floating seal.  
Non Rising stem, bolted bonnet constructions, floating seats.

BGA valves features single spring-loaded, pressure energize, elastomeric seal or non elastomeric lip seals; these seals assist in low pressure sealing and protect against contaminants.

Valve can be supplied with BREDA hydraulic or pneumatic actuators type BHA / BHS or BPA

### Standard Construction :

According to API 6A

Metal to Metal seat design

Metal to Metal body bonnet design

Stem Backseat, to allow stem seals replacement under pressure

Fire safe design

### Standard features:

Bi-directional design

Grease injection fitting on downstream side of the stem backseat for safety

### Remarks:

On request, Breda Energia S.p.a. will supply various solutions not listed in this catalogue as pup piece connections, reduction ports, etc., moreover years experience in products for distribution oil & gas allow Breda Energia S.p.a. to build products on special client specifications.



## Product Range

Service	Pressure Range API 6A ( Psi )		
	API 2000	API 3000	API 5000
Standard Range ( Inch )	1.13/16 up to 7.1/16	2.1/16 up to 9	2.1/16 up to 9

## Material requirements

Service Conditions	Trim	Body and Bonnet Materials	Stem Materials	Gate Materials	Seat Materials
API 6A Classification					
General Service	AA	Alloy Steel	Alloy Steel	Alloy Steel / Hard Facing	Alloy Steel / Hard Facing
General Service	BB	Alloy Steel	AISI 410	AISI 410 / Hard Facing	AISI 410 / Hard Facing
General Service	CC	Stainless Steel 13% Cr.	AISI 410	AISI 410 / Hard Facing	AISI 410 / Hard Facing
Sour Service	DD	Alloy Steel	Alloy Steel	Alloy Steel / Hard Facing	Alloy Steel / Hard Facing
Sour Service	EE	Alloy Steel	AISI 410	AISI 410 / Hard Facing	AISI 410 / Hard Facing
Sour Service	FF	Stainless Steel 13% Cr.	AISI 410	AISI 410 / Hard Facing	AISI 410 / Hard Facing
Sour Service	HH	Alloy Steel clad *	Inconel 718	Inconel 718 / Hard Facing	Inconel 718 / Hard Facing

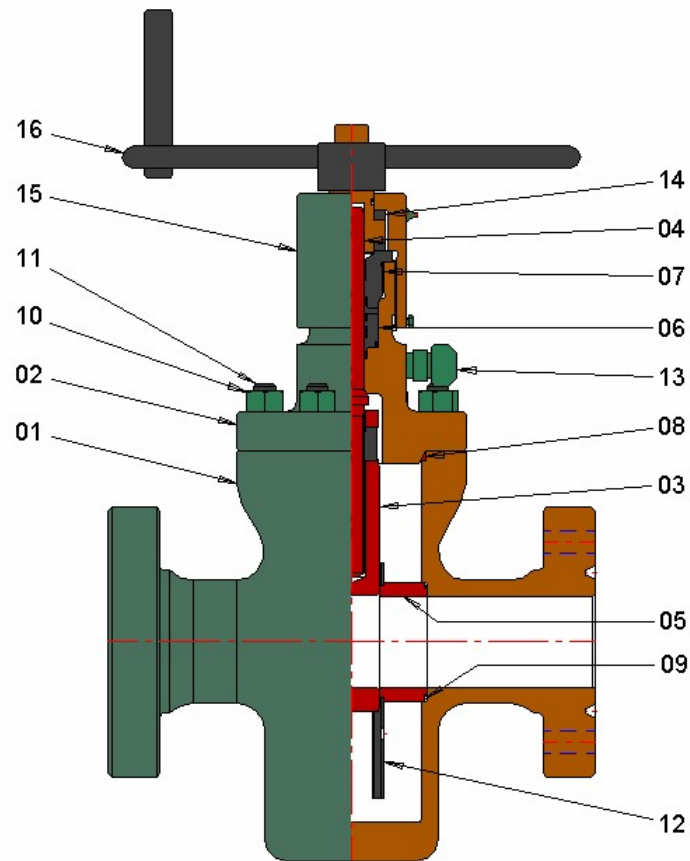
\* Clad with Inconel 625

## Temperature ratings

Temperature Classification	Operating Range			
	°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
P	-20	180	-29	82
R	Room temperature		Room temperature	
S	0	150	-18	66
T	0	180	-18	82
U	0	250	-18	121
V	35	250	2	121



## Part List & Spare Parts



Part N°	Description	Recommended Spare Parts
01	Body	n.a.
02	Bonnet	n.a.
03	Gate	n.a.
04	Stem	n.a.
05	Seat	n.a.
06	Stem Packing	Yes
07	Paking Nut	n.a.
08	Body/Bonnet Gasket	Yes
09	Seat O-Ring	Yes
10	Body stud nuts	n.a.
11	Body studs	n.a.
12	Gate guide	n.a.
13	Grease Fitting Port	n.a.
14	Thrust Bearing	n.a.
15	Upper Bonnet	n.a.
16	Handwheel	n.a.



## Overall Dimensions

W.P. API 2000 ( Psi )								
Nominal Size	D	A		B	C	E	F	Weight
		RJ	Thrd.					
( inch )								
2.1/16	52.5	295	229	145	541	438	250	59
2.9/16	65.5	333	-	166	561	458	300	79
3.1/8	81.5	359	280	196	575	472	350	88
4.1/16	103.5	435	-	244	633	530	400	156
5.1/8	130	562	-	279	676	573	500	327
7.1/16x6.3/8	162	562	-	334	810	703	500	530
7.1/16	181	664	-	373	948	842	500	650
W.P. API 3000 ( Psi )								
Nominal Size	D	A		B	C	E	F	Weight
		RJ	Thrd.					
( inch )								
2.1/16	52.5	371	229	137	541	438	350	82
2.9/16	65.5	423	-	162	561	458	400	108
3.1/8	81.5	435	280	196	575	472	400	107
4.1/16	103.5	511	-	244	633	530	500	204
5.1/8	130	613	-	279	676	573	500	327
7.1/16x6.3/8	162	613	-	334	911	805	500	610
7.1/16	181	664	-	373	948	842	500	690
9	229	841	-	473	1044	938	500	1150
W.P. API 5000 ( Psi )								
Nominal Size	D	A		B	C	E	F	Weight
		RJ	Thrd.					
( inch )								
2.1/16	52.5	371	229	137	541	438	350	82
2.9/16	65.5	423	-	162	561	458	400	108
3.1/8	81.5	473	-	203	591	483	400	146
4.1/16	103.5	549	-	250	643	540	500	245
5.1/8	130	727	-	289	861	755	500	588
7.1/16x6.3/8	162	737	-	344	926	820	500	771
7.1/16	181	813	-	380	955	849	500	925
9	229	1041	-	483	120	1097	500	1950

**Note :**  
 - Dimensions in mm.  
 - Dimensions and weights are subject to change without notice

