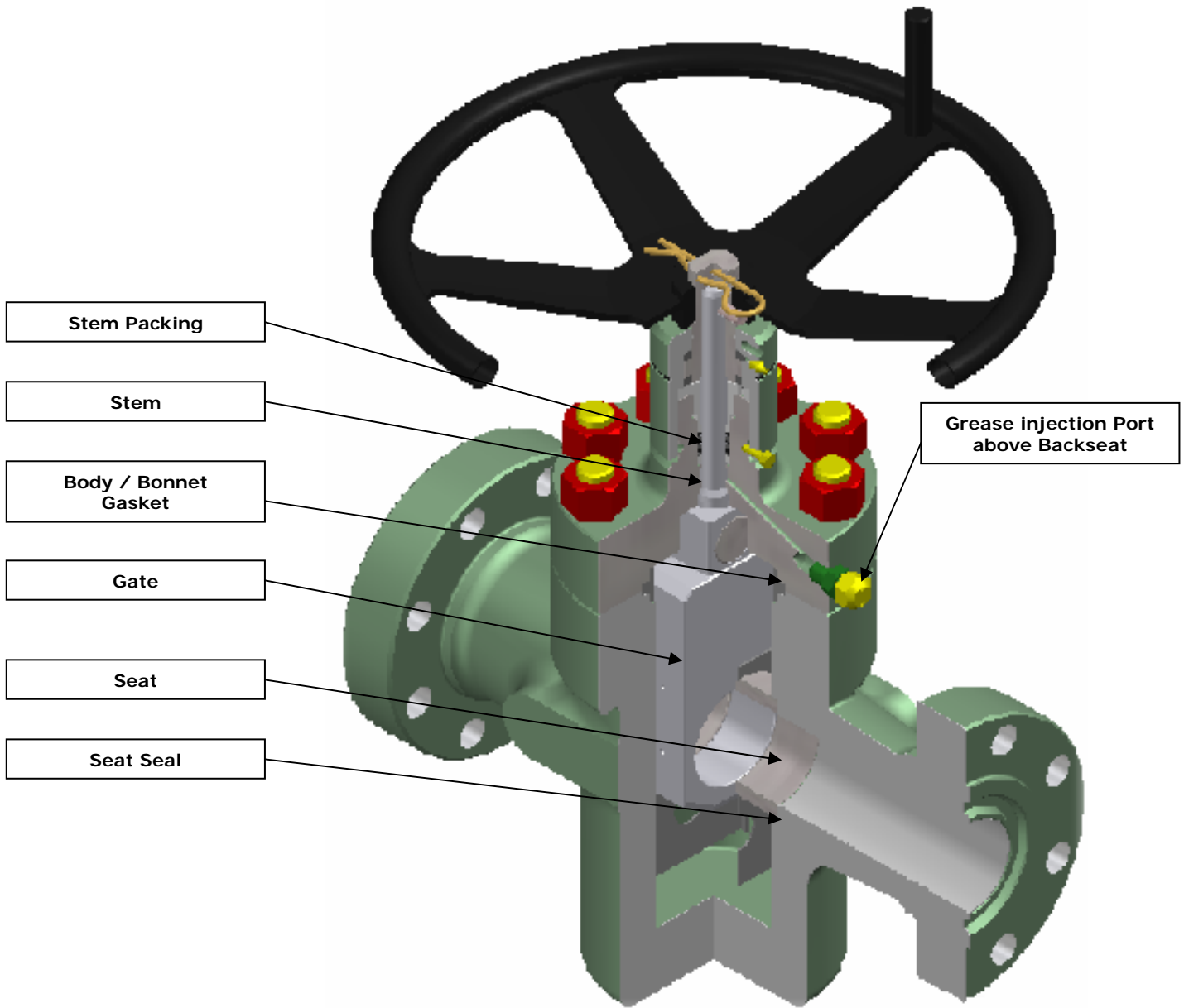




SLAB GATE VALVES API 6A

**Through Conduit
Slab Gate Valve
SDS type**



SLAB GATE VALVES
SDS type



TECHNICAL DESCRIPTION

Description:

ON/OFF service valve, through-conduit, forged Bodies, slab gate, floating seats. Non Rising stem, bolted bonnet constructions, self relieving seats. SDS valves features dual spring-loaded, pressure energize, 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 or BPA

Standard Construction :

According to API 6A
Metal to Metal seat design
Metal to Metal body bonnet design
Stem Back Seat, 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 10000	API 15000	API 20000
Standard Range (Inch)	1.13/16 up to 7.1/16	1.13/16 up to 5.1/8	1.13/16 up to 3.1/16

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

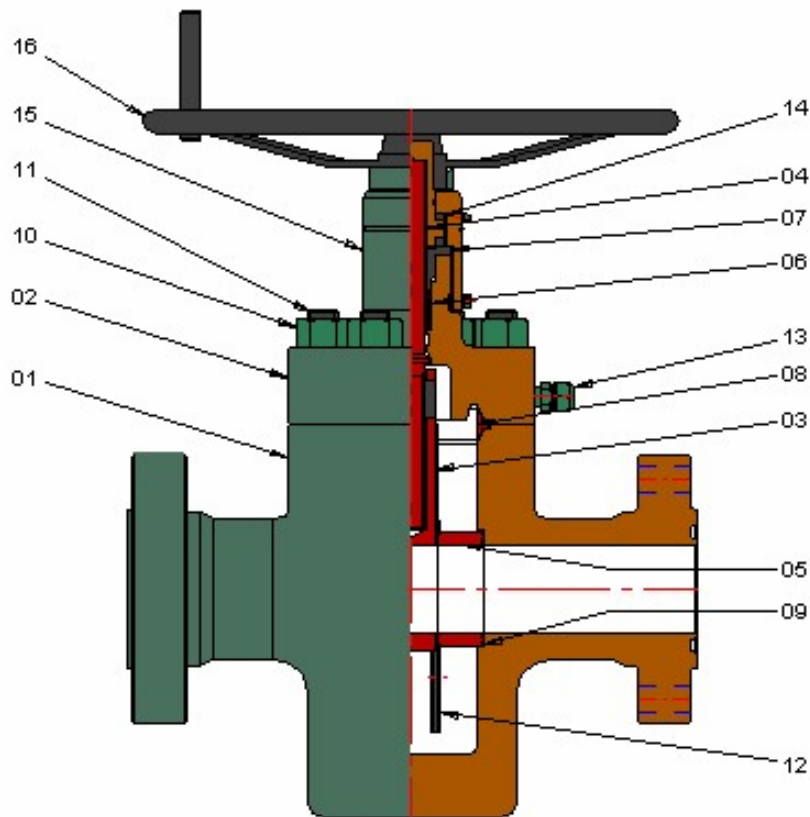
* Clad with Inconel 625

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	Packing Nut	n.a.
08	Body/Bonnet Gasket	Yes
09	Seat Gasket	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 10000 (Psi)							
Nominal Size	D	A	B	C	E	F	Weight
(inch)							(kg.)
1.13/16	46	464	135	508	354	400	92
2.1/16	52.5	521	155	526	372	500	113
2.9/16	65	565	170	574	419	500	168
3.1/16	78	619	220	634	481	500	353
4.1/16	103.5	670	271	680	527	600	350
5.1/8	130	737	321	943	837	500	950
7.1/16x6.3/8	162	889	407	1167	1057	500	1200
7.1/16	179.5	889	463	1167	1057	800	1500
9	229	1041	513	1347	1172	800	2600
W.P. API 15000 (Psi)							
Nominal Size	D	A	B	C	E	F	Weight
(inch)							(kg.)
1.13/16	46	457	135	508	354	400	102
2.1/16	52.5	483	160	556	402	450	160
2.9/16	65	533	188	618	465	500	237
3.1/16	78	599	226	666	513	550	352
4.1/16	103.5	737	284	1001	895	500	895
5.1/8	130.5	889	335	1020	915	450	1460
Note : - Dimensions in mm. - Dimensions and weights are subject to change without notice							

