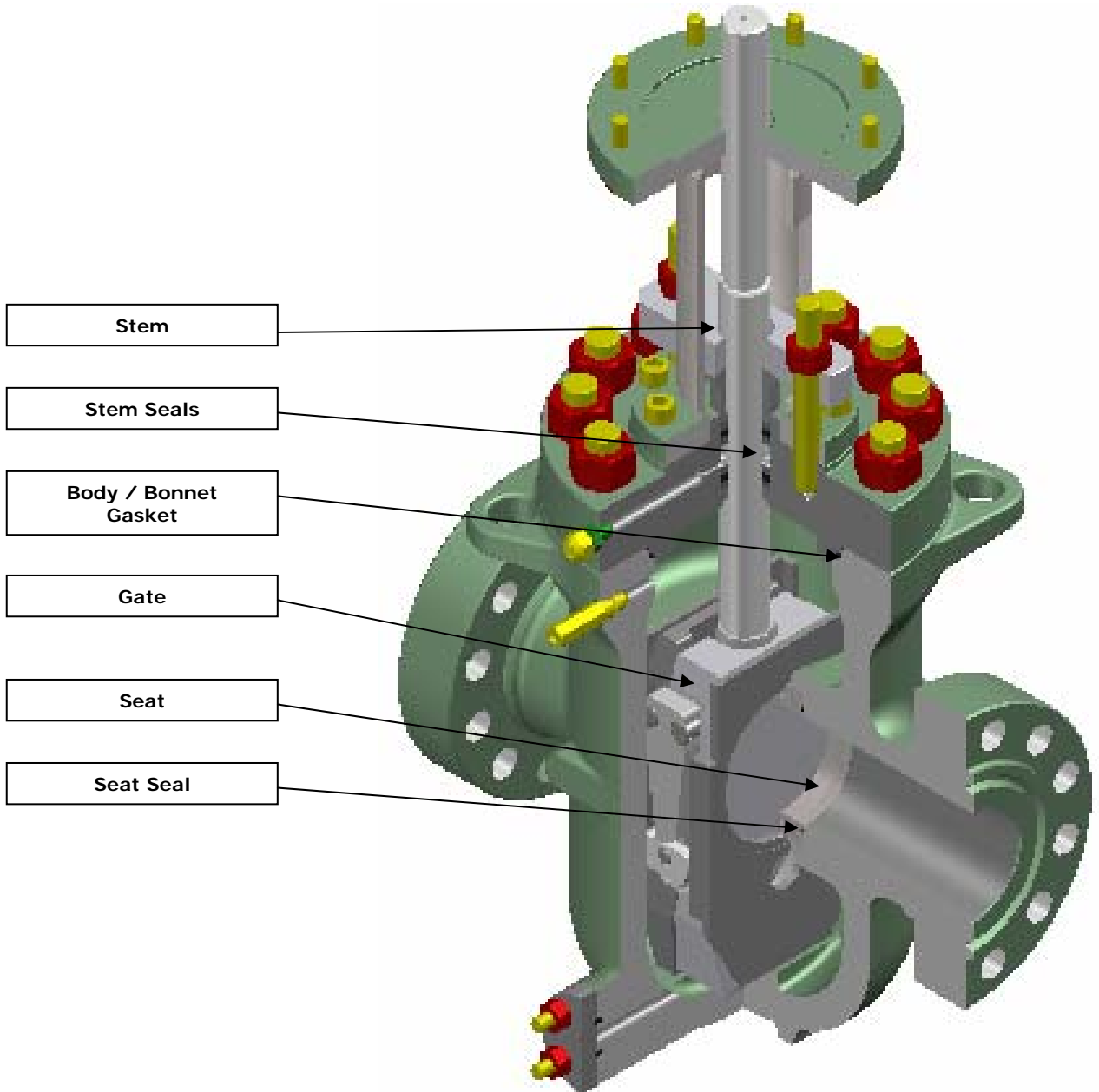




EXPANDING GATE VALVES API 6D

**Through Conduit
Expanding Gate Valve
MSD type**



EXPANDING GATE VALVES
MSD type



TECHNICAL DESCRIPTION

Description:

ON/OFF service valve, Through-conduit, Expanding gate design, Rising stem
Cast or Forged body, bolted bonnet constructions,
Full or Reduced bore, Bi-Directional.

Standard Construction :

According to API 6D
Double Block & Bleed design
Soft seat design
Anti blow-out stem
Renewable seats design
OS&Y (Out-side Screwed & Yoke)

Standard features:

Stem grease fitting

Option features:

Grease injection system for emergency seat seal
Metal to Metal seat design
Fire safe design

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 6D					
	Standard Range (Inch)	ANSI 150 (19 bar)	ANSI 300 (50 bar)	ANSI 600 (99 bar)	ANSI 900 (149 bar)	ANSI 1500 (248 bar)
2 up to 48			2 up to 30	2 up to 24	2 up to 16	

Material requirements

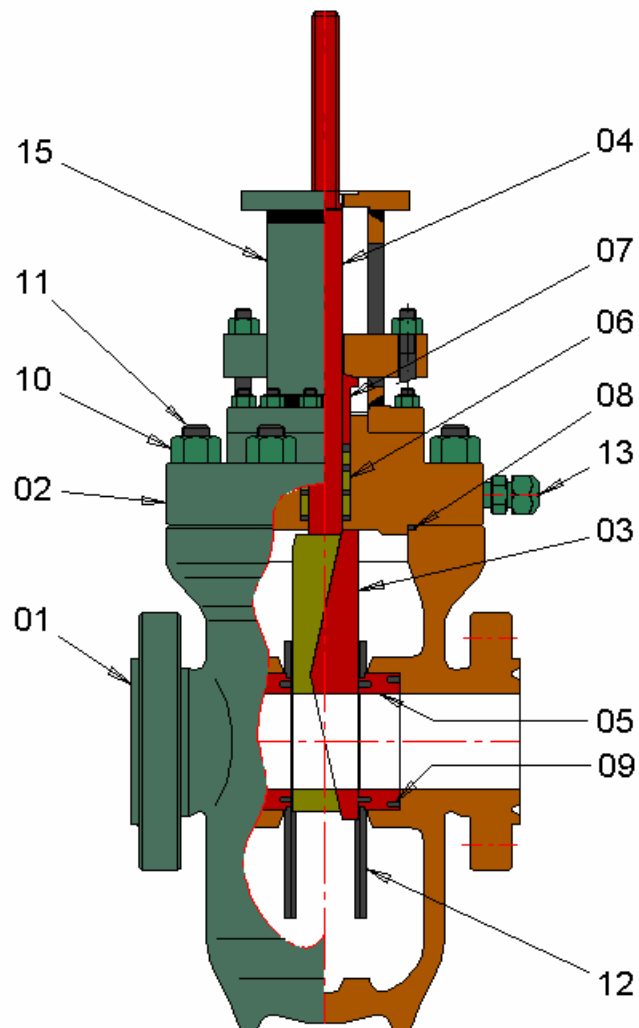
Service Conditions	Body and Bonnet Materials	Trim Materials Stem-Gate-Seat	Material selection general list
General & Sour Service	Carbon Steel	Carbon Steel	<ul style="list-style-type: none"> - Carbon Steel - Low temperature Carbon Steel - Low Alloy Steel - Martensitic Stainless Steel - Austenitic Stainless Steel - Duplex Stainless Steel - Nickel Alloys
General & Sour Service	Carbon Steel	Stainless Steel	
General & Sour Service	Stainless Steel	Stainless Steel	
Materials selection will be performed in accordance with Client data sheet / Specification			

Temperature ratings

Temperature Classification	Operating Range	
	°C from min. up to Max.	
	min.	Max.
Standard	-29	121
Low temperature	-46	121
Cryogenic	-196	121
High Temperature	-29	350



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 Gland	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	Yoke	n.a.

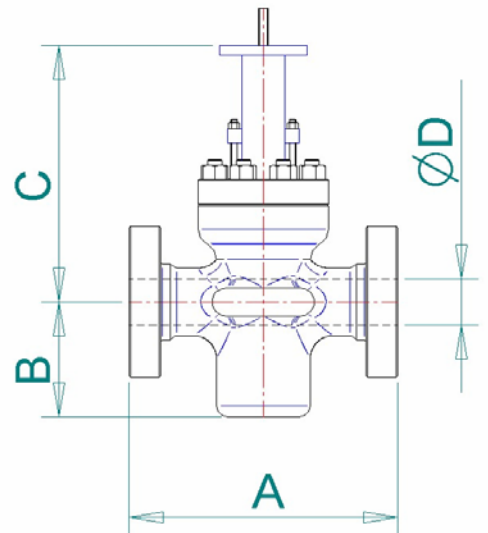


Overall Dimensions

ASME 600							
Nominal Size (inch)	D	A			B	C	Weight (Kg.)
		RF	RTJ	WE			
6	153	559	562	559	325	1314	T.B.A.
8	204	660	664	660	400	1455	
10	254	787	791	787	505	1680	
12	305	838	841	838	590	1895	
14	337	889	892	889	660	2290	
16	387	991	994	991	750	2525	
18	438	1092	1095	1092	840	2760	
20	489	1194	1200	1194	905	3105	
24	591	1397	1407	1397	1095	3472	
30	736	1651	1654	1651	1346	4645	
32	781	1778	1793	1778	1440	4780	
34	832	1930	1945	1930	1820	4930	
36	876	2083	2099	2083	1820	4950	

Note :

- Dimensions in mm.
- Dimensions and weights are subject to change without notice
- T.B.A. : to be advise

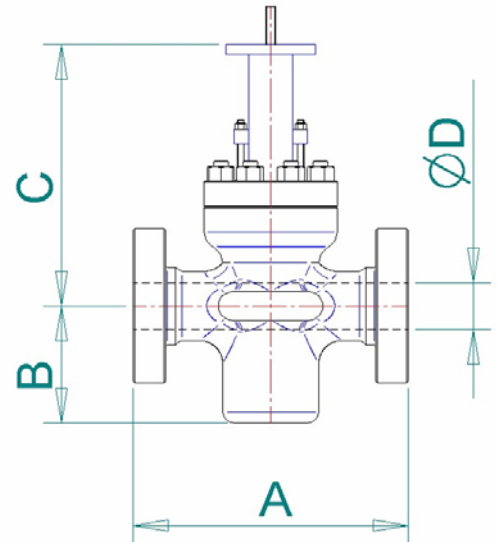




Overall Dimensions

ASME 900							Weight (Kg.)
Nominal Size (inch)	D	A			B	C	
		RF	RTJ	WE			
6	153	610	613	610	328	1420	T.B.A.
8	204	737	740	737	410	1500	
10	254	838	841	838	520	1862	
12	305	965	968	965	720	2323	
14	324	1029	1038	1029	760	2450	
16	362	1130	1140	1130	803	2510	
18	425	1219	1232	1219	825	2720	
20	473	1321	1334	1321	980	3120	
22	524	1549	1568	1549	1115	3180	
24	572	1549	1568	1549	1130	3200	
26	619	1651	1623	1651	1150	3220	
28	667	1778	1800	1778	1190	3290	

Note :
 - Dimensions in mm.
 - Dimensions and weights are subject to change without notice
 - T.B.A. : to be advise





Overall Dimensions

ASME 1500							
Nominal Size (inch)	D	A			B	C	Weight
		RF	RTJ	WE			(Kg.)
6	146	705	711	705	378	1500	T.B.A.
8	194	832	841	832	476	1520	
10	241	991	1000	991	596	2170	
12	289	1130	1146	1130	630	2300	
14	318	1257	1276	1257	690	2450	
16	362	1384	1407	1384	775	2655	
18	406	1537	1559	1537	890	2350	
20	451	1664	1686	1664	980	2710	
22	492	1778	1800	1778	1070	2770	
24	534	1943	1972	1943	1110	2800	

Note :

- Dimensions in mm.
- Dimensions and weights are subject to change without notice
- T.B.A. : to be advise

