



Calvary Valve, Inc

Expanding Plug Valve

The **Calvary** Expanding Plug Valve is a high integrity double block & bleed valve for land or off-shore zero-leakage applications. This valve is applicable to pipeline media that are used in various industries such as petroleum, chemical, pharmacy, chemical fertilizer, electric power, etc. under normal pressure of Class 150 – 900 lbs.

Sizes: 2" thru 30"

Pressure Classes:

150, 300, 600, 900

Available End Connections:

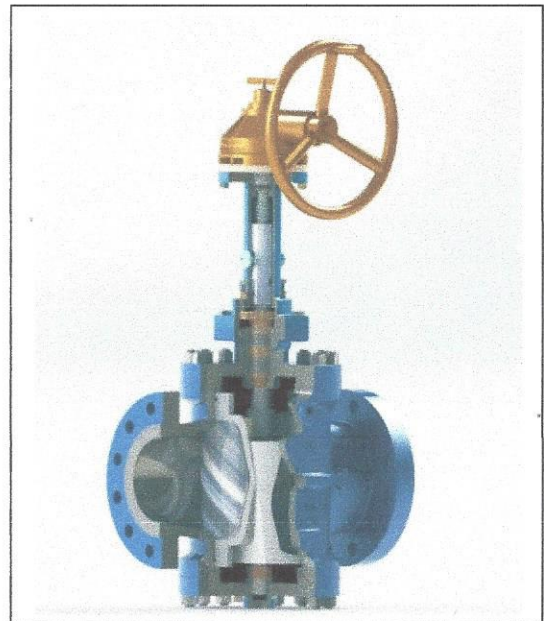
Flanged, Weld by Weld

Suitable Temperature:

≤ 180°C

Suitable Medium:

Water, Oil and Gas

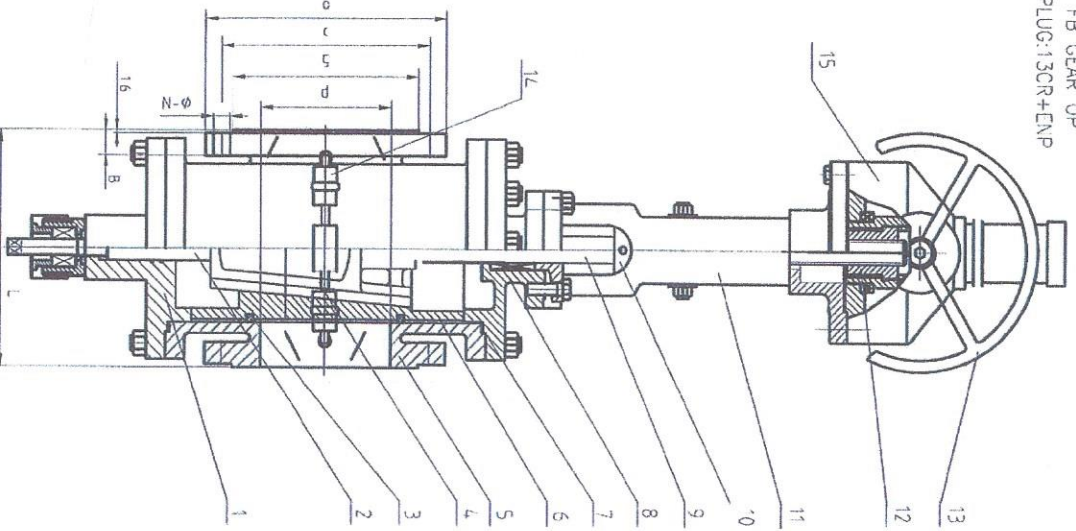


FEATURES INCLUDE:

Blocks Upstream & Downstream – Bubble Tight Shutoff (Zero Leakage) – Install In Any Position - Slips Retract Before Turning – Lock Out Tag Out – Lower Trunnion Not Part the of Plug - In Line Repairable – Body & Plug are Plated with Electroless Nickel – Relief Systems Connect to Body Not Bonnet

Emergency Service is available 24 hours a day, seven days a week!

CALVARY VALVE CODE: CEP2
 12"-20" 150# RF FB GEAR OP
 BODY:A216 WCB, PLUG:13CR+ENP




20	457	489	584	635	700	41.3	2	16-32+4-1-1/4"-7UNC
18	432	438	533	578	635	38.1	2	12-32+4-1-1/8"-7UNC
16	406	387	470	540	595	35	2	12-29+4-1-BUNC
14	381	337	413	476	535	33.4	2	8-29+4-1-8UNC
12	356	305	381	432	485	30.2	2	8-25+4-7/8-9UNC
NPS	L	d	g	c	o	i	f	N-Ø

Valve Test	
Nominal Pressure	150LB
Test Shell Test	3.0
Pre-Test Seal Test	2.2
Air Test	0.6
Suitable Temp.	≤150 °C
Suitable Medium:	W.O.G etc

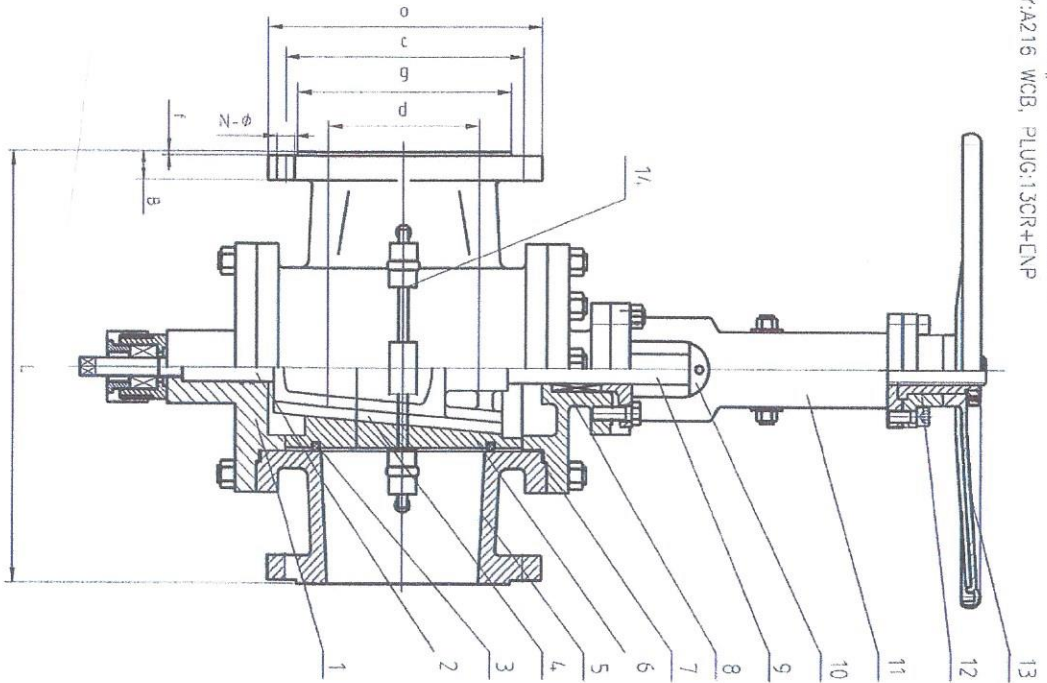
SPECIFICATION

1. Design & manufacture conform to API 6D.
2. Test & inspect conform to API598.
3. Face to Face dimension conform to ANSI 16.10.
4. Flange dimension conform to ANSI B16.5.
5. Pressure-Temperature rating conform to ASME B16.34

7	Seal gasket	PTFE	15	Gear box	Assembly
6	Slip	13CR+ENP	14	Decompression valve	SS304
5	Body	A216 WCB	13	handwheel	A216 WCB
4	Plug	13CR+ENP	12	Nut	303SS
3	Seal round	VITON	11	Yoke	A216 WCB
2	Under Stem	13CR	10	Joint	A3
1	Down Cover	A216 WCB	9	Stem	A276 4'C
			8	Cover	A216 WCB

 <p>CALVARY VALVE INC HOUSTON TEXAS USA RUV</p>	APPROVED BY:	CHECK BY:	DRAWN BY:	DRAWING NO.	MATERIAL	UNIT	DESCRIPTION
	SIGN			RUV20130530-02	INCH	API6D DUAL STEEL DOUBLE EXPANDING PLUG VALVE	12"-20" 150# RF FB GEAR OP
DATE	01				SCALE	FREE	
	05/30/2013						

CALVARY VALVE CODE: CEP1
 3"-10" 300# RF FB HANDWHEEL OP
 BODY:A216 WCB, PLUG:13CR+ENP



NPS	d	L	o	c	q	B	f	V-φ
10	254	45/	445	387.5	324	46.1	2	16-29
8	203	419	380	330	270	39.7	2	12-25
6	152	403	320	2/0	216	35	2	12-22
4	102	305	255	200	15/	30.2	2	8-22
3	76	283	210	68.5	127	27	2	8-22

Valve Test		
Nominal Pressure		300LB
Test	Shell Test	7.5
Pre-ssure	Seal Test	5.5
	Air Test	0.6
Suitable Temp.		≤80 °C
Suitable Medium:		W.O.G etc

SPECIFICATION

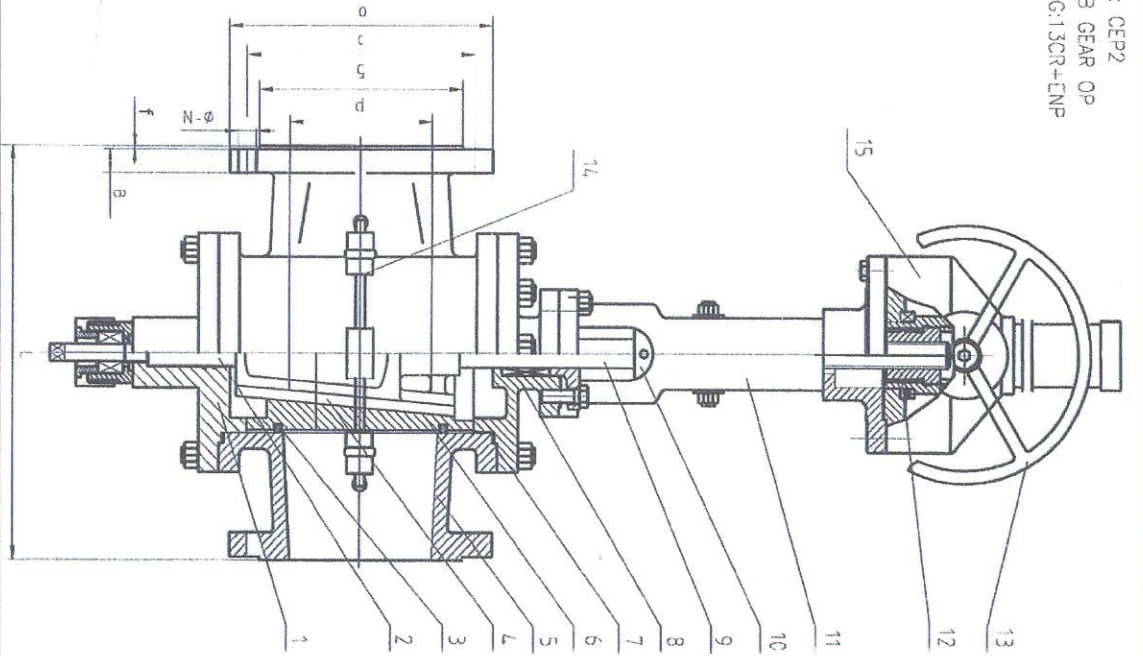
1. Design & manufacture conform to API 6D.
2. Test & inspect conform to API598.
3. Face to Face dimension conform to ANSI 16.10.
4. Flange dimension conform to ANSI B'6.5.
5. Pressure-Temperature ration conform to ASWE B16.34

7	Seat gasket	PTTC	14	Decompression valve	SS304
6	Slip	13CR+ENP	13	Handwheel	A216 WCB
5	Body	A216 WCB	12	Nut	BRASS
4	Plug	13CR+ENP	11	Yoke	A216 WCB
3	Slip seats	VITON	10	Joint	A3
2	Lower Stem	13CR	9	Stem	A276 410
1	Lower Plate	A216 WCB	8	Upper Plate	A216 WCB



SIGN	DATE	APPROVED BY	CHECK BY	DRAWN BY	DRAWINGNO.	MATERIAL	UNIT	DESCRIPTION
	01				RUV20130530-03	INCH	FREE	API6D DUAL SEAL DOUBLE EXPANDING PLUG VALVE 3"-10" 300# RF FB HANDWHEEL OP
	05/30/2013							

CALVARY VALVE CODE: CEP2
 12", 16" 300# RF FB GEAR OP
 BODY:A216 WCB, PLUG:13CR+ENP



16	387	838	650	571.5	470	55.6	2	20-35
12	305	502	520	451	381	49.3	2	16-32
NPS	d	L	o	c	g	B	f	N-ø

Valve Test	
Nominal Pressure	300LB
Test Shell Test	7.5
Pre Seal Test	5.5
ssure	MPa
Air Test	0.6
Suitable Temp.	≤80 °C
Suitable Medium:	W.O.C etc

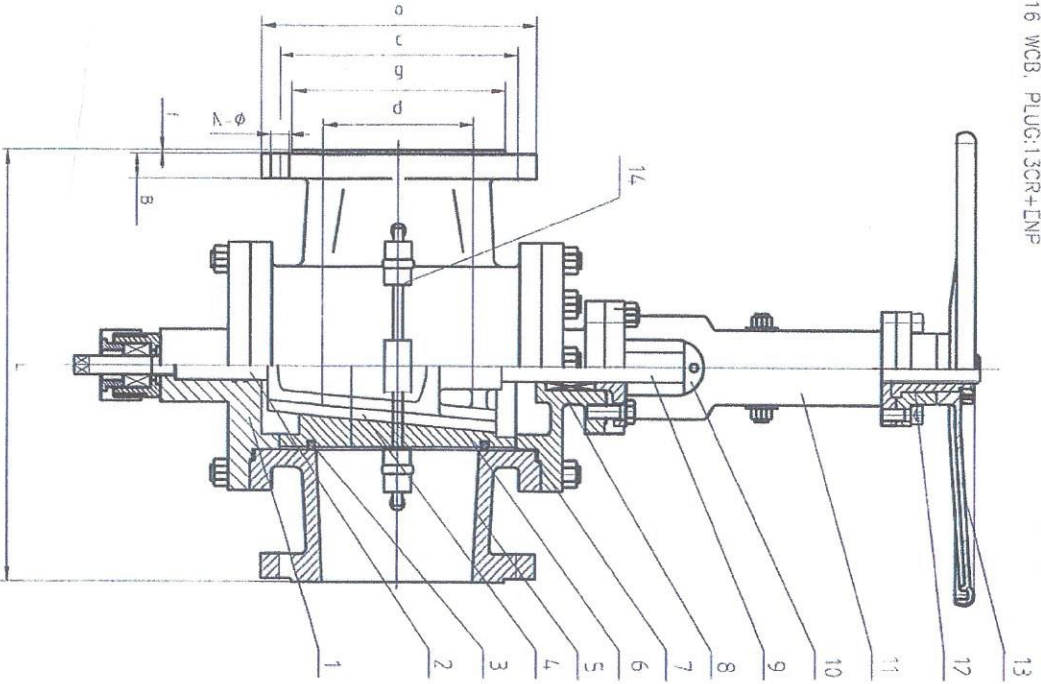
- SPECIFICATION**
- Design & manufacture conform to API 6D.
 - Test & inspect conform to API598.
 - Face to Face dimension conform to ANSI 16.10.
 - Flange dimension conform to ANSI B16.5.
 - Pressure-Temperature ration conform to ASME B16.34

NO.	DESCRIPTION	MATERIAL	UNIT
1	Down Cover	A216 WCB	8
2	Under Stem	13CR	9
3	Seal round	VITON	10
4	Plug	13CR+ENP	11
5	Body	A216 WCB	12
6	Slip	13CR+ENP	13
7	Sect gasket	PTFE	14
8	Handwheel	A216 WCB	15
9	Yoke	3AR55	16
10	Joint	A216 WCB	17
11	Stem	A3	18
12	Stem	A276 410	19
13	Cover	A216 WCB	20



APPROVED BY	CHECK BY	DRAWN BY	DRAWINGNO.	MATERIAL	UNIT	DESCRIPTION
SIGN	DATE	01	05/30/2013	RUV20130530-04	INCH	API6D DUAL SEAL DOUBLE EXPANDING PLUG VALVE
SCALE	FREE	12" 16" 300# RF FB GEAR OP				

CALVARY VALVE CODE: CEP1
 2"-10" 600# RF FB HANDWHEEL OP
 BODY:A216 WCB, PLUG:13CR+ENP



NPS	L	d	g	c	o	e	f	N-Ø
10	787	248	323.8	431.8	510	63.5	7	16-35
8	660	200	269.9	349.2	420	55.6	7	12-32
6	559	152	215.9	292.1	355	47.7	7	12-29
4	432	102	157.2	215.9	275	38.1	7	8-25
3	356	76	127	168	210	31.8	7	8-22
2	292	51	92	127	165	25.4	7	8-19

Valve Test		
Nominal Pressure		600LB
Test	Shell Test	15
Pre-Test	Seal Test	11
Air Test		0.6
Suitable Temp.		≤80 °C
Suitable Medium:		W.O.G etc

SPECIFICATION

- Design & manufacture conform to API 6D.
- Test & inspect conform to API598.
- Face to Face dimension conform to ANSI 16.10.
- Flange dimension conform to ANSI B16.5.
- Pressure-Temperature rating conform to ASME B16.34

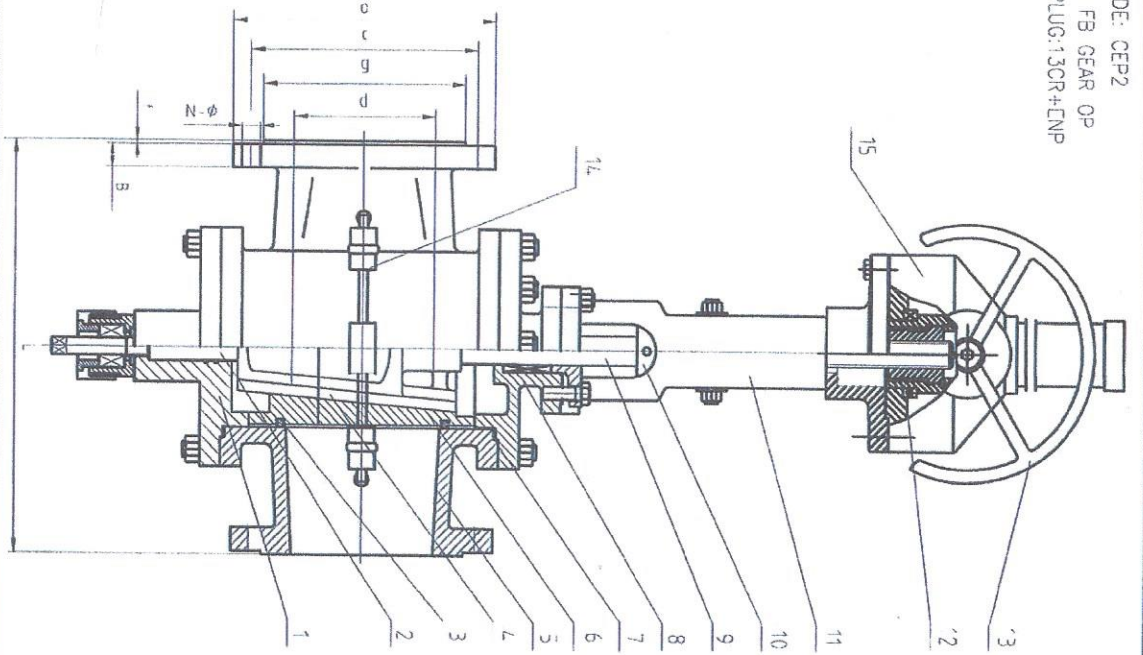
NO.	DESCRIPTION	MATERIAL	UNIT
7	Seat gasket	PTFE	
6	Slip	13CR+ENP	
5	Body	A216 WCB	
4	Plug	13CR+ENP	
3	Slip seals	VITON	
2	Lower Stem	13CR	
1	Lower Plate	A216 WCB	
14	Decompression valve	SS304	
13	Handwheel	A216 WCB	
12	Nut	BRASS	
11	Yoke	A216 WCB	
10	Joint	A3	
9	Stem	A276 410	
8	Upper Plate	A216 WCB	



APPROVED BY:	CHECK BY:	DRAWN BY:	DRAWINGNO.	MATERIAL	UNIT	DESCRIPTION
			RUV20130530-05	INCH	API6D DUAL SEAL DOUBLE EXPANDING PLUG VALVE	
SIGN				SCALE	FREE	2"-10" 600# RF FB HANDWHEEL OP
DATE			05/30/2013			

CALVARY VALVE CODE: CEP2
 16", 20" 600# RF FB GEAR OP
 BODY: A216 WCB, PLUG: 13CR+ENP

20	1194	464	584.2	723.9	815	88.9	7	24-44
16	991	375	469.9	603.2	685	76.2	7	20-41
NPS	L	d	g	c	o	B	f	N-ø



Valve Test		600L3
Nominal Pressure	600L3	
Test	Shell Test	15
Pressure	Seal Test	11
Medium	Air Test	0.6
Suitable Temp.	≤80 °C	
Suitable Medium:	W.O.C etc	

SPECIFICATION

1. Design & manufacture conform to API 6D.
2. Test & inspect conform to API598.
3. Face to Face dimension conform to ANSI 16.10.
4. Flange dimension conform to ANSI B16.5.
5. Pressure-Temperature rating conform to ASME B16.34

NO.	DESCRIPTION	MATERIAL	UNIT	DESCRIPTION
1	Down Cover	A216 WCB	8	Cover
2	Under Stem	13CR	9	Stem
3	Seal round	WITON	10	Joint
4	Plug	13CR+ENP	11	Yoke
5	Body	A216 WCB	12	Nut
6	Sip	13CR+ENP	13	Handwheel
7	Seal gasket	PTFE	14	Decompression valve
15	Gear box	SS304	15	Assembly



APPROVED BY:	CHECK BY:	DRAWN BY:	DRAWING NO.	RUV20130530-06
SIGN	DATE	05/30/2013	SCALE	FREE
API 6D DUAL SEAL DOUBLE EXPANDING PLUG VALVE 16", 20" 600# RF FB GEAR OP				