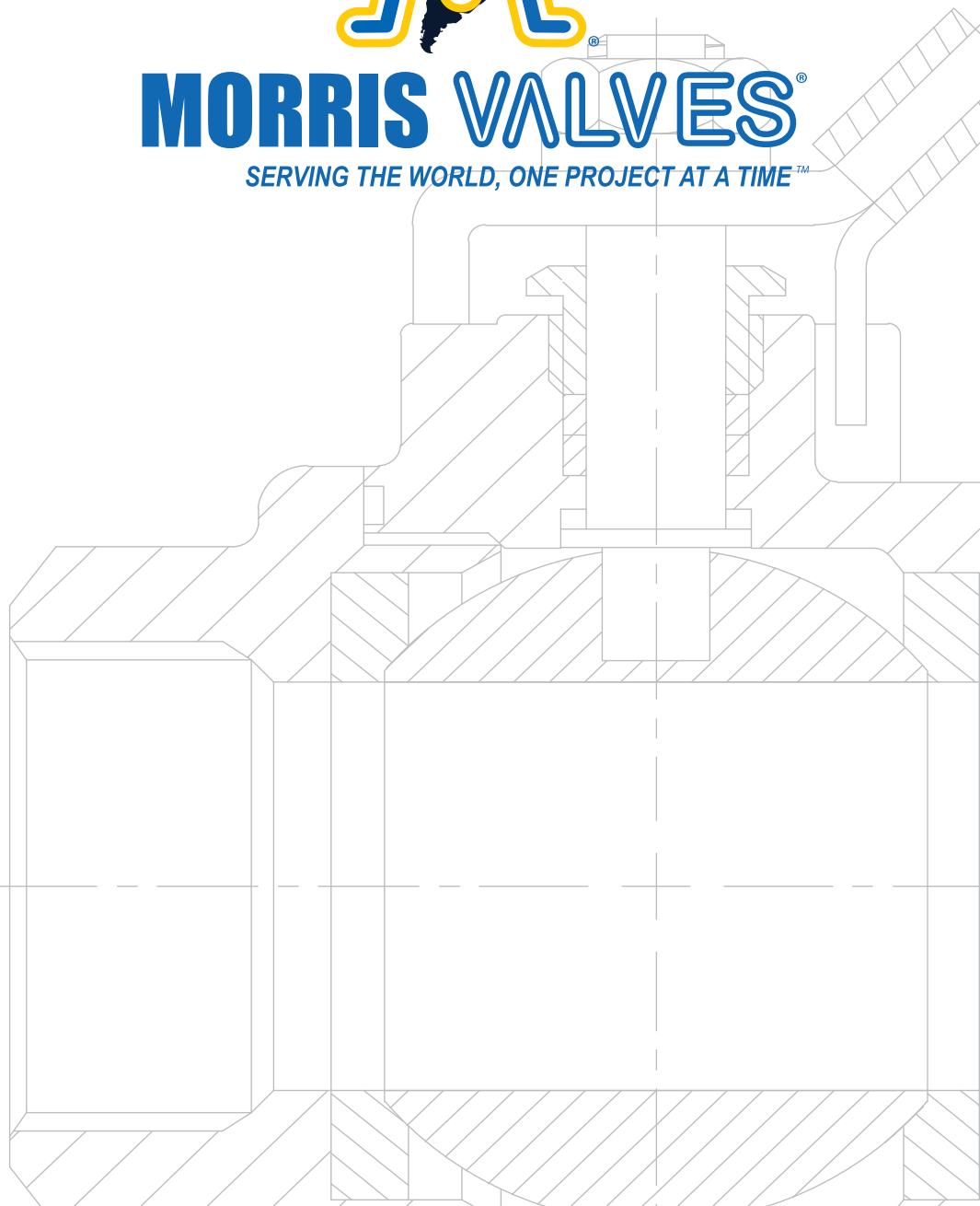




MORRIS VALVES®

SERVING THE WORLD, ONE PROJECT AT A TIME™



API6D, LUBRICATED PLUG VALVE

www.morrisvalve.com



In 1984, our journey into the business of repairing valves and industrial instrumentation began. That journey has led us to represent and service well known American brands and companies. In early 2000, our experience and growing passion for the valve industry encouraged our decision to launch our own brand, Morris Valves. Starting with the highly requested Ball Valves, the brand has been based on the principal of quality and performance to match our customers' needs. Our high standards of production later lead us to incorporate other models such as Gate Valve and Check Valves to our production. These additions were carefully selected to match our Standard of Quality. Our success has been driven by our belief of "Tradition with Quality" in everything we do. Our products are developed with that belief which drives our growth and guides the service we provide to our customers.

Mission

Our mission is to use our highly trained, highly focused, and extremely motivated staff to work with manufacturers who value quality and have the vision for new development and product applications to ensure the timely provision of goods and services related to valves, their components and industrial equipment in general. We maintain a rigorous standard of customer satisfaction, which will provide for the welfare of the company, the welfare of the countries we serve, and most importantly the sustainability of the planet.

Contacts

Address: 13548 Cedar Hill Rd., Montgomery, TX. 77356, USA.

Telephone: +1 (832) 666-5576

Cel: +1 (832) 983 – 0744

Email: sales@morrisvalve.com



Vision

Our vision is to be amongst the leading corporations in the supply of goods and services related to valves, their components and industrial equipment in general. We want to conquer new markets in conformity with international standards and remain committed to customer satisfaction, the welfare of our company and the sustainability of our planet.

"Serving the world, one project at a time"

United States of America

United States Patent and Trademark Office



Reg. No. 4,840,307

Registered Oct. 27, 2015

Int. Cl.: 6

TRADEMARK

PRINCIPAL REGISTER

MORRIS VALVES, INC. (FLORIDA CORPORATION)
5590 N.W. 84TH AVE.
MIAMI, FL 33166

FOR: METAL PIPES AND METAL FITTINGS THEREFOR; METAL TUBES AND METAL FITTINGS THEREFOR, IN CLASS 6 (U.S. CLS. 2, 12, 13, 14, 23, 25 AND 50).

FIRST USE 2-11-2015; IN COMMERCE 2-11-2015.

OWNER OF U.S. REG. NO. 4,241,186.

THE COLOR(S) YELLOW, WHITE, AND BLUE IS/ARE CLAIMED AS A FEATURE OF THE MARK.

THE MARK CONSISTS OF A STYLIZED WHITE LETTER "V" WITH A BLUE OUTLINE INSIDE OF A STYLIZED LETTER "M" IN BLUE OUTLINED WITH YELLOW. THE BACKGROUND OF THE MARK IS WHITE.

SER. NO. 86-543,795, FILED 2-24-2015.

MARCIE MILONE, EXAMINING ATTORNEY



Michelle K. Lee

Director of the United States
Patent and Trademark Office

IPV TYPE

FLANGED END/BUTT WELDING END/THREADED SPECIFICATIONS:

- * Design Standard:
 - API6D/API599
 - ASME B16.34
- * Face to face:
 - ASME B16.10
- * End Connections:
 - FLANGED: ASME B16.5
 - BUTT WELDING: ASME B16.25
 - THREADED: ANSI/ASME B1.20.1
- * Test : API 6D / API598
- * Materials: NACE MR075. Sulfide stress cracking resistant metallic materials for oil field equipment
- * Actuation: Lever, Handwheel, Worm Gear, Electrical, Pneumatic, Hydraulic

FEATURES:

- * Developed to be used in Manifolds and Production services of Oil Fields, Asphalt Plants, others.
- * Hard coated Plug and erosion resistant design.
- * Internal sealant path to improve the sealant on the seats.
- * Highly used in pipelines systems where the main fluids are: Gas, Oil and Petroleum derivatives.
- * Valve Position indicator, standard
- * Fire safe conforms to API 6FA.
- * Filed repairable



SIZE:

(2 – 36)" STD PORT, CLASS(150#-2500#)

CE APPROVED

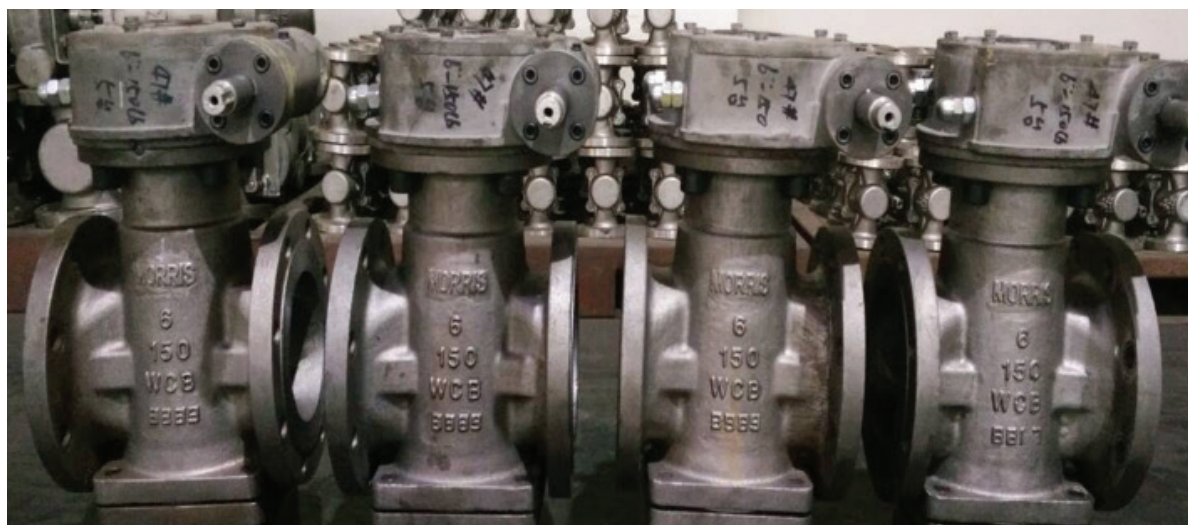
HOW TO ORDER

PATTERN SIZE/RATING MATERIALS END CONN. ACT.

IPV - - - - -

MATERIALS

BODY & COVER	
STEM	
PLUG	
METAL DIAPHRAGM	
ACTUATOR	
GASKET	



MORRIS VALVES
BEYOND THE WORLD, ONE PRODUCT AT A TIME

Inverted Pressure Balanced Lubricated Plug valve, Short Pattern

2" – 6", Lever Operator.

6" – 12", Handwheel Operator.

MAIN PARTS AND MATERIALS

(2 – 6)", CLASS 150#, Lever Operator

No	PART NAME	MATERIALS (ASTM/ANSI)		
1	BODY	A216 WCB	A351 – CF8	A351 – CF8M
2	PLUG	A182 F6a	A351 CF8	A351 CF8M
3	BONNET	A216 WCB	A351 CF8	A351 CF8M
4	ADJUSTING BOLT	A193 B7	A193 B8M	A193 B8M
5	LOCK NUT	A194 2H	A194 8M	A194 8M
6	LOWER ADJUSTABLE BLOCK	A276 - 410	A182 F316	A182 F316
7	UPPER ADJUSTABLE BLOCK	A276 410	A182 F316	A182 F316
8	PIVOT CENTER	A276-410	A351 CF8	A351 CF8M
9	BOLT	A193 – B7	A193 – B8M	A193 – B8M
10	NUT	A194 2H	A194 - 8	A194 – 8M
11	GASKET	Flexible Graphite + 304SST	Flexible Graphite + 304 SST	Flexible Graphite + 316 SST
12	WASHER	304SS	316SS	316SS
13	STEEL SPACER	A182 F304	A182 F304	A182 F316
14	BALL SPRING CHECK	316SS	316SS	316SS
15	LUBE/SEALANT RESERVOIR	/	/	/
16	STEM PLUG ADAPTER			
17	STEM	A182 F6a	A182 F304	A182 F316
18	THRUST BEARING	PPL	PPL	PPL
19	GREASE GROOVE	/	/	/
20	O RING.	Viton	Viton	Viton
21	PACKING	Flexible Graphite	Flexible Graphite	Flexible Graphite
22	TOP COVER	A 216 WCB	A351 CF8	A351 CF8M
23	GLAND CAP SCREW	A193 – B7	A193 – B8M	A193 – B8M
24	INLINE CHECK	SS 304	SS316	SS316
25	LUBE/SEALANT INJECTOR	Carbon steel	Stainless Steel	Stainless Steel
26	STEM PACKING INJECTOR	Carbon Steel	Stainless Steel	Stainless Steel
27	LEVER	A 570	A 570	A 570
28	HUB	A216 WCB	A 216 WCB	A216 WCB
29	STOP PLATE INDICATOR	Carbon Steel	Stainless Steel	Stainless Steel
30	STOP PLATE RETAINER	Carbon Steel	Stainless Steel	Stainless Steel
31	SET SCREW	Carbon Steel	Stainless Steel	Stainless Steel

(6 – 12)" Handwheel Operator

27	STUD	A193 B7M	A193 B8M	A193 B8M
28	NUT	A193 B7M	A193 B8M	A193 B8M
29	KEY	Carbon steel	Stainless Steel	Stainless Steel
30	GEAR	Carbon Steel	Stainless Steel	Stainless Steel
31	HANDWHEEL	Carbon Steel	Stainless Steel	Stainless Steel

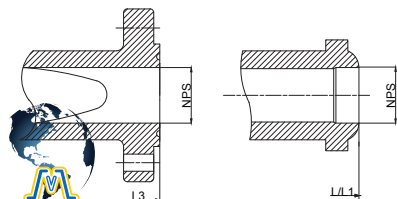
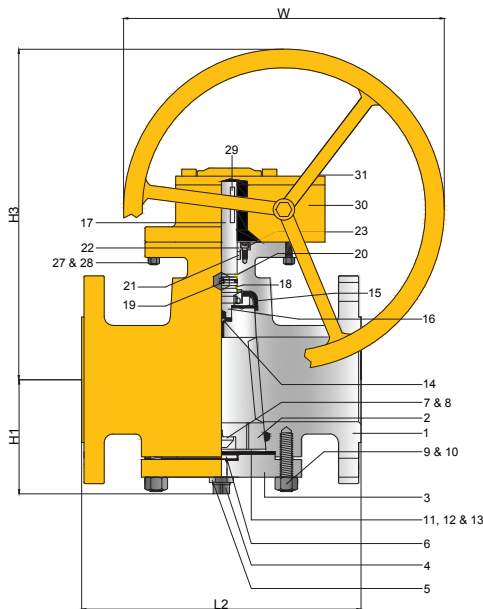
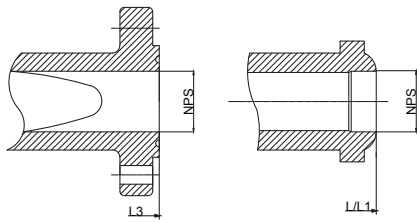
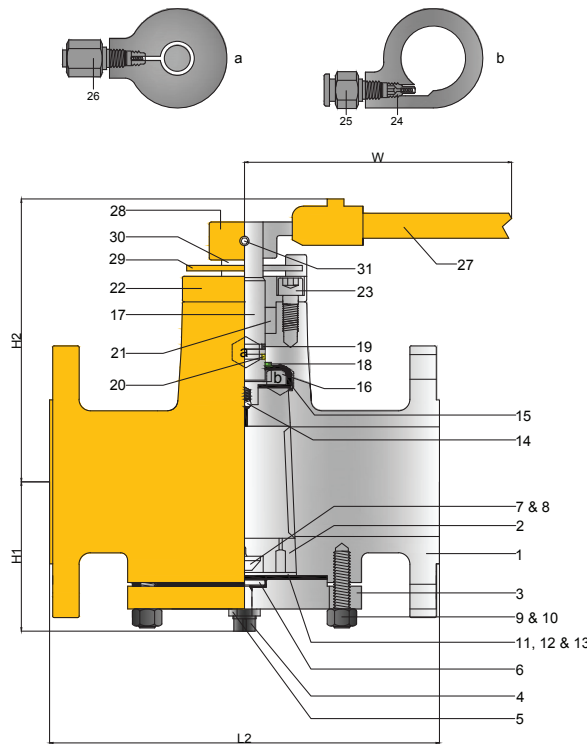
MAIN DIMENSIONS

NPS (INCH)	2	3	4	6	8	10	12
(Class 150)							
H1	3,84	4,25	5	6,65	8,46	9,65	11,22
H2	5,83	6,61	7,91	9,90			
H3				19,33	23,31	24,29	25,98
W	14	20	24	32/18	24	24	24
L/L1(NPT/BW)	10,5	13,00	14,00	18,00	20,50	22,00	25,00
L2(RF)	7.01	7,9	9,02	10,51	11,50	13,00	14,02
L3(RTJ)							
WEIGHT(LBS)	NPT/BW		68	143	191	374	418
	RF/RTJ	42	73	115	176	255	598
(Class 300)							
H1	3.74	4.41	5.35	6.9	9,14	10,40	
H2	5.83	6.61	7.91	9.72			
H3				11,40	11,13	16,53	
W	14	20	24	32/20	20	30	
L/L1(NPT/BW)	10,50	13,00	14,00	18,00	20,50	22,00	
L2(RF)	8,5	11,14	12,01	15,87	16,50	18,00	
L3(RTJ)							
WEIGHT(LBS)	NPT/BW	29	57	79	161/196	308	660
	RF/RTJ	46	84	132	188/191	255	451

Inverted Pressure Balanced Lubricated Plug Valve, Regular Pattern

2" – 6", Lever Operator.

4" – 12", Handwheel Operator.



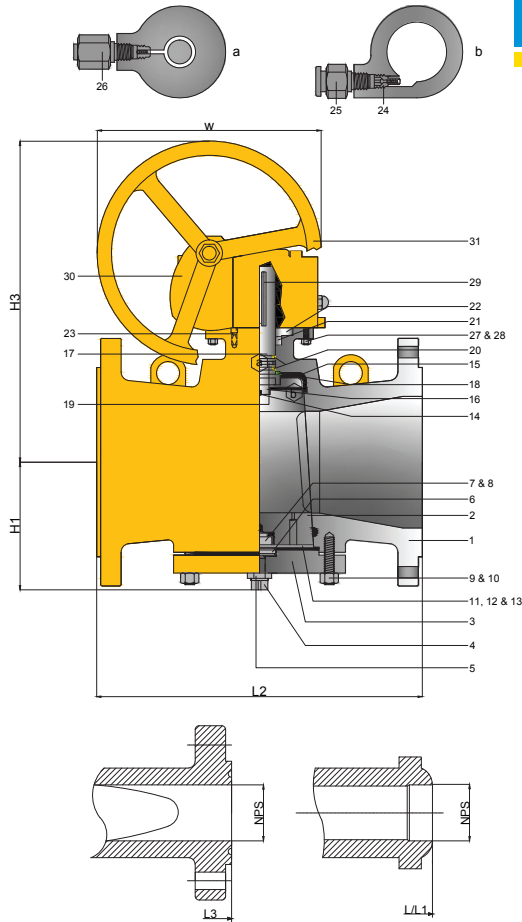
MAIN PARTS AND MATERIALS (2 – 6)", CLASS 150#, Lever Operator

No	PART NAME	MATERIALS (ASTM/ANSI)		
1	BODY	A216 WCB	A351 – CF8	A351 – CF8M
2	PLUG	A182 F6a	A351 CF8	A351 CF8M
3	BONNET	A216 WCB	A351 CF8	A351 CF8M
4	ADJUSTING BOLT	A193 B7	A193 B8M	A193 B8M
5	LOCK NUT	A194 2H	A194 8M	A194 8M
6	LOWER ADJUSTABLE BLOCK	A276 - 410	A182 F316	A182 F316
7	UPPER ADJUSTABLE BLOCK	A276 410	A182 F316	A182 F316
8	PIVOT CENTER	A276-410	A351 CF8	A351 CF8M
9	BOLT	A193 – B7	A193 – B8M	A193 – B8M
10	NUT	A194 2H	A194 - 8	A194 – 8M
11	GASKET	Flexible Graphite + 304SST	Flexible Graphite + 304 SST	Flexible Graphite + 316 SST
12	WASHER	304SS	316SS	316SS
13	STEEL SPACER	A182 F304	A182 F304	A182 F316
14	BALL SPRING CHECK	316SS	316SS	316SS
15	LUBE/SEALANT RESERVOIR	/	/	/
16	STEM PLUG ADAPTER			
17	STEM	A182 F6a	A182 F304	A182 F316
18	THRUST BEARING	PPL	PPL	PPL
19	GREASE GROOVE	/	/	/
20	O RING.	Viton	Viton	Viton
21	PACKING	Flexible Graphite	Flexible Graphite	Flexible Graphite
22	TOP COVER	A 216 WCB	A351 CF8	A351 CF8M
23	GLAND CAP SCREW	A193 - B7	A193 – B8M	A193 – B8M
24	INLINE CHECK	SS 304	SS316	SS316
25	LUBE/SEALANT INJECTOR	Carbon steel	Stainless Steel	Stainless Steel
26	STEM PACKING INJECTOR	Carbon Steel	Stainless Steel	Stainless Steel
27	LEVER	A 570	A 570	A 570
28	HUB	A216 WCB	A 216 WCB	A216 WCB
29	STOP PLATE INDICATOR	Carbon Steel	Stainless Steel	Stainless Steel
30	STOP PLATE RETAINER	Carbon Steel	Stainless Steel	Stainless Steel
31	SET SCREW	Carbon Steel	Stainless Steel	Stainless Steel
(6 – 12)" Handwheel Operator				
27	BOLT	A193 B7M	A193 B8M	A193 B8M
28	NUT	A193 B7M	A193 B8M	A193 B8M
29	KEY	Carbon steel	Stainless Steel	Stainless Steel
30	GEAR	Carbon Steel	Stainless Steel	Stainless Steel
31	HANDWHEEL	Carbon Steel	Stainless Steel	Stainless Steel

MAIN DIMENSIONS								
NPS (INCH)	2	3	4	6	8	10	12	
(Class 150)								
H1	4,63	6,34	7,05	7,02	9,40	11,00	12,80	
H2	7,00	8,63	9,25	10,40	-			
H3	-	-	-	20,16	24,21	26,73	29,92	
W	14,00	20,00	24,00	32,00/18	24	24,00	24,00	
L/L1(NPT/BW)	-	-	-	-	-	-	-	
L2(RF)	8,00	9,15	12	15,50	18,00	21,00	24,00	
L3(RTJ)	-	-	-	-	-	-	-	
WEIGHT(LBS)	NPT/BW	-	68	143	191	374	418	
	RF/RTJ	47,00	66,00	77,00	141/202	293	620	887
(Class 300)								
H1	3,74	4,41	5,35	6,90	8,23	9,69	11,22	
H2	5,83	6,61	7,91	9,72	-	-	-	
H3			8,5	10,59	11,46	12,91	18,70	
W	14	20	24/10	32/14	18	24	32	
L/L1(NPT/BW)	6.88	6.88	7.48	7.48	14.37	-	-	
L2(RF)	8,50	11,14	12,01	15,87	19,76	22,36	27,99	
L3(RTJ)	-	-	-	-	-	-	-	
WEIGHT(LBS)	NPT/BW	46	84	99	330	561	909	1353
	RF/RTJ	57	101	119	188/392	609-706	784-1199	1120-1804
(Class 600)								
H1	3,82	4,41	5,35	9,75	11,80	12,30	14,80	
H2	5,83	6,61	8,27					
H3	-	-	-	17,52	22,83	30,50	27,70	
W	22	28	40	14	18	18	24	
L/L1(NPT/BW)	7,75/11,5	10/14	11,50/17	22	26,00	31,00	-	
L2(RF)	11,50	14,00	17,00	22,00	25,98	30,98	33,00	
L3(RTJ)	11,62	14,12	17,12	22,12	26,10	31,10	33,10	
WEIGHT(LBS)	NPT/BW	40	64	110	330	561	909	1353
	RF/RTJ	47	101	187	440	706	1199	1367
(Class 900)								
H1	5,31	7,09	6,57	10,04	11,89	12,80	15,94	
H2	7,13	8,70	-	-	-	-	-	
H3			9,08	15,16	17,56	19,09	21,10	
W	32/18	40/18	18	24	24	24	24	
L/L1(NPT/BW)	-	15	18	24	29	33	-	
L2(RF)	-	-	-	-	-	-	-	
L3(RTJ)	14,60	15,12	18,11	24,13	29,13	33,11	38,11	
WEIGHT(LBS)	NPT/BW	-	154	220	418	770	1034	-
	RF/RTJ	/54	/250	/276	/581	/1300	/1456	/2854
(Class 1500)								
H1	5,31	7,20	8,86	10,83	12,60	10,57	16,93	
H2	7,13	8,82	-	-	-	-	-	
H3			22,44	28,54	30,12	31,69	34,06	
W	32	40	24	24	24	24	24	
L/L1(NPT/BW)	-	15	18	24	29	33	-	
L2(RF)	-	-	-	-	-	-	-	
L3(RTJ)	14,60	18,62	21,61	27,99	33,11	39,37	45,12	
WEIGHT(LBS)	NPT/BW	-	154	220	418	770	1034	-
	RF/RTJ	/150	/260	/355	/513	/1710	/2720	/3760
(Class 2500)								
H1	5,71	7,60	9,92	11,85	13,39	15,59	17,80	
H2	7,52	9,21	-	-	-	-	-	
H3	-	-	23,70	29,72	30,98	32,83	34,83	
W	40	40	24	24	24	24	24	
L/L1(NPT/BW)	-	15	18	24	29	33	-	
L2(RF)	-	-	-	-	-	-	-	
L3(RTJ)	17,87	22,99	26,89	36,50	40,87	50,87	56,89	
WEIGHT(LBS)	NPT/BW	-	154	220	418	770	1034	-
	RF/RTJ	/163	/342	/570	/1440	/2370	/4050	/5730

Inverted Pressure Balanced Lubricated Plug Valve, Venturi Pattern

(6-36)" Hand Wheel Operator.

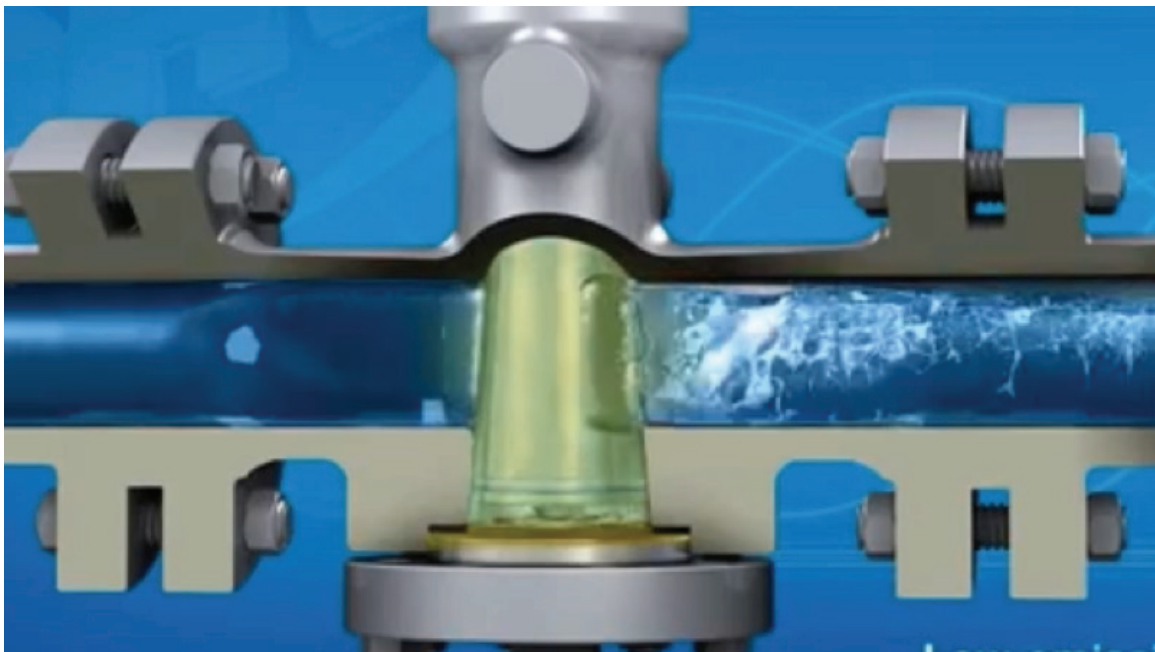


MAIN PARTS AND MATERIALS

PART NAME	MATERIALS (ASTM/ANSI)		
1 BODY	A216 WCB	A351 – CF8	A351 – CF8M
2 PLUG	A182 F6a	A351 CF8	A351 CF8M
3 BONNET	A216 WCB	A351 CF8	A351 CF8M
4 ADJUSTING BOLT	A193 B7M	A193 B8M	A193 B8M
5 LOCK NUT	A194 2H	A194 8M	A194 8M
6 LOWER ADJUSTABLE BLOCK	A276 - 410	A182 F316	A182 F316
7 UPPER ADJUSTABLE BLOCK	A276 410	A182 F316	A182 F316
8 PIVOT CENTER	A276-410	A351 CF8	A351 CF8M
9 BOLT	A193 – B7	A193 – B8M	A193 – B8M
10 NUT	A194 2H	A194 - 8	A194 – 8M
11 GASKET	Flexible Graphite + 304SST	Flexible Graphite + 304 SST	Flexible Graphite + 316 SST
12 WASHER	304SS	316SS	316SS
13 STEEL SPACER	A182 F304	A182 F304	A182 F316
14 BALL SPRING CHECK	316SS	316SS	316SS
15 LUBE/SEALANT RESERVOIR	/	/	/
16 STEM PLUG ADAPTER			
17 STEM	A182 F6a	A182 F304	A182 F316
18 THRUST BEARING	PPL	PPL	PPL
19 GREASE GROOVE	/	/	/
20 O RING.	Viton	Viton	Viton
21 PACKING	Flexible Graphite	Flexible Graphite	Flexible Graphite
22 TOP COVER	A 216 WCB	A351 CF8	A351 CF8M
23 GLAND CAP SCREW	A193 - B7	A193 – B8M	A193 – B8M
24 INLINE CHECK	SS 304	SS316	SS316
25 LUBE/SEALANT INJECTOR	Carbon steel	Stainless Steel	Stainless Steel
26 STEM PACKING INJECTOR	Carbon Steel	Stainless Steel	Stainless Steel
27 BOLT	A193 B7M	A193 B8M	A193 B8M
28 NUT	A193 B7M	A193 B8M	A193 B8M
29 KEY	Carbon steel	Stainless Steel	Stainless Steel
30 GEAR	Carbon Steel	Stainless Steel	Stainless Steel
31 HANDWHEEL	Carbon Steel	Stainless Steel	Stainless Steel

MAIN DIMENSIONS

NPS (INCH)	6	8	10	12	14	16	18	20	24	30	36
(Class 150)											
H1					10.43	12.48	16.40	18.40	20.30	22.20	-
H3					26.18	32.60	30.10	30.80	31.50	41.10	-
W					24	24	24	24	24	24	24
L/L1(NPT/BW)											
L2(RF)					27.01	30.00	34.02	35.98	42.01	50.98	63.00
WEIGHT(LBS)	NPT/BW										
	RF/RTJ					1477	1731	1951	2130	4091	8155
(Class 300)											
H1					10.43	12.48	16.40	18.50	20.70	-	-
H3					26.18	32.60	30.10	37.00	38.20	-	-
W					24	24	24	24	24	24	24
L/L1(NPT/BW)											
L2(RF)					30.00	32.99	35.99	39.02	45	55	67.99
WEIGHT(LBS)	NPT/BW										
	RF/RTJ					1755	1989	2418	3474	4530	-
(Class 600)											
H1	5.55	7.28	9.13	13.20	14.80	16.90	18.30	18.80	19.50	-	-
H3	20.67	22.44	24.02	30.40	32.50	33.30	35.40	37.20	34.30	-	-
W	24	24	24	24	24	32	32	32	32	-	-
L/L1(NPT/BW)										-	-
L2(RF)	22.00	25.98	30.98	32.99	35.00	39.02	42.99	47.00	55.00	-	-
L3(RTJ)	22.10	26.10	31.10	33.10	35.10	39.10	43.10	47.20	55.40	-	-
WEIGHT(LBS)	NPT/BW										
	RF/RTJ	330	670	965	1357	1905	2575	3644	4079	4764	-



Storage & Maintenance.

- * Valve shall be stored indoor with dry and well-ventilated environment.
- * The ends of the passage shall be plugged with covers.
- * Valve stored for a long-term period shall be checked periodically and cleaned to be free from stain, especially clean the seat ring to protect sealing surface against damage, and coat corrosion-resistant oil the machined surface.
- * If the stored times exceed 12 months, valve should be tested to ensure structural and functional integrity, and make a record.

Installation:

- * Be sure valve marking (e.g. type, nominal size, nominal pressure, material etc.) is in according with the requirement of pipe system before installation.
- * Check sealing face and screwed face before installation; Clean the valves with cloth in case of any dust.
- * Before installation, make sure the packing is tight and the stem works well.
- * Valve should be installed in vertical or horizon pipeline and valve is easily to be checked and maintained.
- * Valve should be installed in the natural condition in order to prevent the installation stress due to pipeline support.
- * After installation the valves should be fully open the pipeline gives the pressure test.
- * If the pipeline has enough strength to support the valves, the support of the valves will be not necessary; otherwise, the support is needed.

Operation & Usage

- * The practical pressure cannot exceed the max allowable working pressure at the practical temperature.
- * It is forbidden to bump or knock-at the valves during transportation , installation etc.
- * The following pictures illustrate the way how the Plug is Lubricated.
- * Lubricating Grease. Use any Brand of Lubricating Grease equivalent to DUALCO, HIGH-TEMPERATURE (HT). Range of (- 20 ° F to + 1000 ° F)



STEP 1 PLUG LUBRICATION



STEP 2 PLUG LUBRICATION



STEP 3 PLUG LUBRICATION





A Tradition of Quality

*Our passion is to develop
solutions for difficult situations in
Industrial Applications, no matter
how large or small the project.*

"Serving the world, one project at a time"

