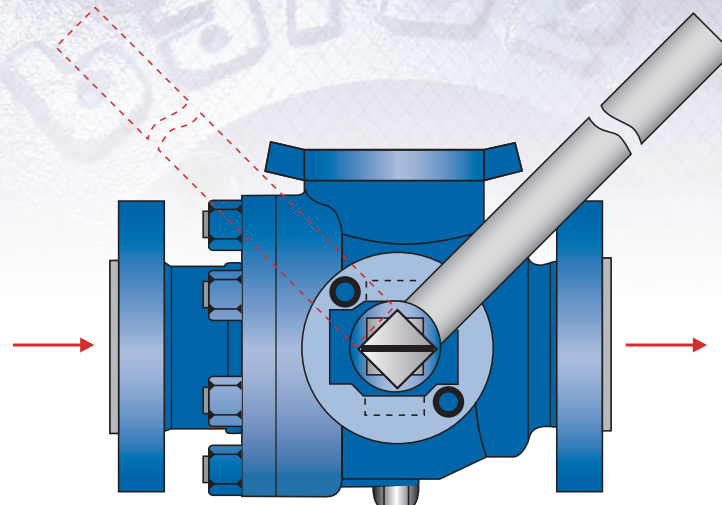


→ Model SSB 3" Pigging Valve

Installation Instructions Bulletin II3.1



Installation Instructions:

- 1 **Before Installing** the Pigging Valve, turn the operating stem so that the groove on the end of it is at right angles (perpendicular) to the flowline (valve closed position).
- 2 Remove the pig entry cap and look into the valve ball cavity to be certain that the stop frog is on the far side (Bottom) of the valve. (Note: There is no stop frog on pigging valves that are intended to send bullet pigs).
- 3 If the frog is not on the far side of the valve ball cavity, remove the positive stop plate from the stem and rotate the stem one-half a turn. Then install the stop plate back on the stem.
- 4 Locate the Pigging Valve, **for pig sending**, in the horizontal portion of the flowline near the wellhead if possible.
- 5 **For pig receiving** at the other end of the flowline, locate the pigging valve in a horizontal portion of the flowline if possible.
- 6 The pig entry cap and bleed valve should always be on the top to minimize product spillage when venting body pressure and inserting a pig. (The bleed valve should have a straight through 0.37" diameter flow pattern to provide rod-ability and to minimize plugging).
- 7 There is an additional bleed connection on the body, opposite the entry cap, that can be used to drain away body pressure.
- 8 When the Pigging Valve is being used as a sender, and the flow direction is from **left to right** as shown above, the positive stop plate should be positioned on the stem so that the valve is **open** when turned to the right (solid handle outline). The valve will then be **closed** when turned to the left (dotted handle outline).
- 9 When the Pigging Valve is being used as a **receiver**, and the flow direction is from **left to right** as shown above, the positive stop plate should be positioned on the stem so that the valve is **closed** when turned to the right (solid handle outline). The valve will then be **open** when turned to the left (dotted handle outline).
- 10 If the conditions are not being met (in 8 and 9), then remove the positive stop plate from the square stem and rotate it one-quarter of a turn (either direction) and install it back on the stem.

OPERATING INSTRUCTIONS:

CAUTION!! Pigging operations can be dangerous. Always proceed with care and perform each step one at a time.

Pig Ball Sending Procedure

- A. Close the valve (stem groove crosswise to flowline).
- B. Vent the body cavity pressure.
- C. Carefully remove the side entry cap.
- D. Insert the pig ball into valve ball cavity.
- E. Install the side entry cap.
- F. Open the valve (stem groove in line with flowline).

Pig Ball Receiving Procedure:

Same procedure as sending except to change item "D" to instruct as follows:

- D. Remove the pig from the valve ball cavity.

Bullet Pig Sending Procedure:

Use the same procedure as for sending pig balls but use only the pigging valves without a stop frog in the valve ball. (Note: The Pigging valve cannot be used for **receiving** bullet pigs).

3" Pigging Valve Dimensions (fig. 1.1)

➔ Model SSB 3" Pigging Valve



CONNECTIONS	LENGTH (INCHES)			WEIGHT
	(A.N.S.I.)	L ₁	L ₂	
300 RF	6.00	7.75	13.75	140
300 RTJ	6.18	7.94	14.12	145
600 RF	6.12	7.88	14.00	150
600 RTJ	6.18	7.94	14.12	155
900 RF	6.56	8.44	15.00	175
900 RTJ	6.62	8.50	15.12	180
3" N.P.T.	5.85	5.81	11.66	125

A	Side Entry: Ball Core Bore	3.46"
B	Minimum Through Bore	3.12"
C	Stem Height	8.60"
D	Side Entry Cap Height	6.00"
E	Operating Handle	39.00"

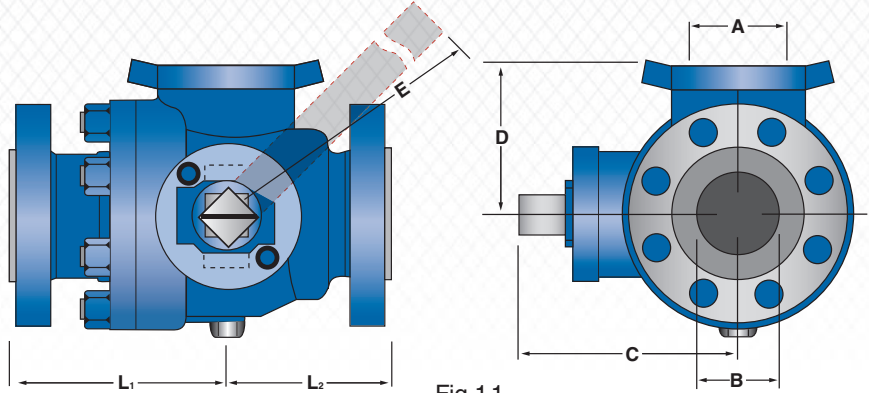


Fig 1.1

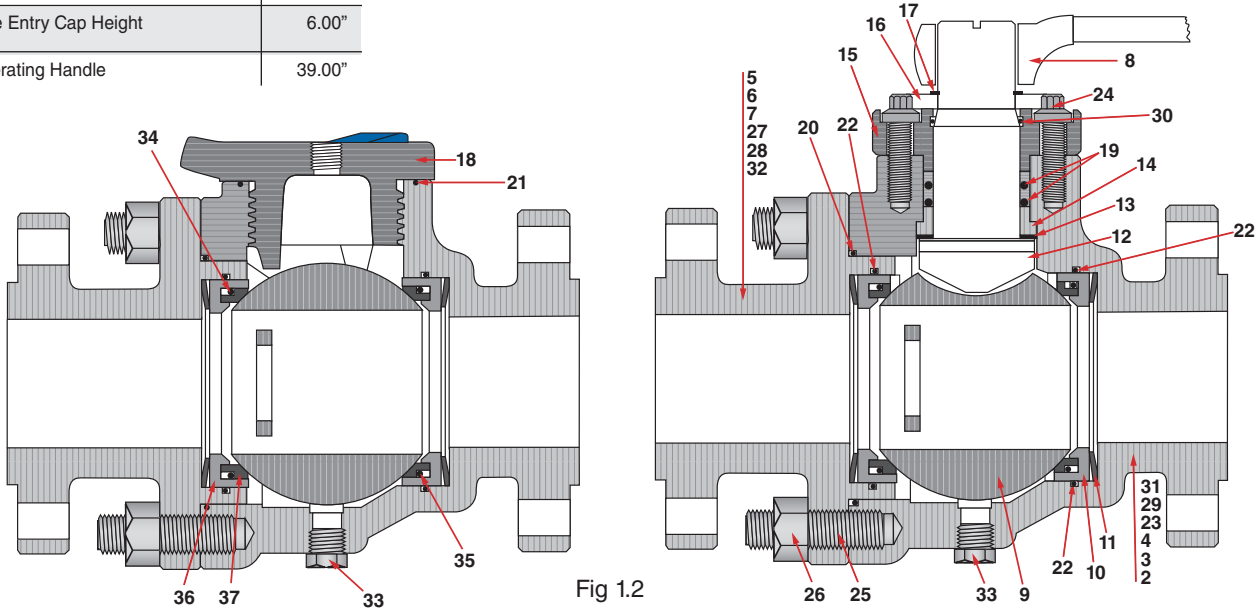


Fig 1.2

3" Pigging Valve Parts List (fig. 1.2)

ITEM NO.	PART NUMBER	NO. REQ'D.	DESCRIPTION	ITEM NO.	PART NUMBER	NO. REQ'D.	DESCRIPTION
00	10000024	1	3" PIG VALVE ASS'Y 900# RF	17	72000005	1	SNAPRING
00	10000023	1	3" PIG VALVE ASS'Y 900# RTJ	18	10100108	1	SIDE ENTRY CAP
00	10000022	1	3" PIG VALVE ASS'Y 600# RF	19	74000007	2	STEM SEAL POLYPAK
00	10000021	1	3" PIG VALVE 600# RTJ	20	71000021	1	TAIL PIECE "O" RING SEAL
00	10000020	1	3" PIG VALVE ASS'Y 150# RF	21	71000022	1	ENTRY CAP "O" RING SEAL
00	10000019	1	3" PIG BALL VALVE ASS'Y 6/900# THR'D	22	71000023	2	SEAT "O" RING SEAL
02	10100125	1	BODY 600# FLANGED RF	23	10100121	1	BODY 600# FLANGED RTJ
03	10100127	1	BODY 900# FLANGED RTJ	24	70000034	4	FERRY CAP SCREW 5/8" UNS X 1 1/2"
04	10100100	1	BODY 6/900# NPT	25	10100110	8	STUD
05	10100126	1	TAIL PIECE 600# FLANGED RF	26	70000071	8	NUT
06	10100102	1	TAIL PIECE 6/900# THR'D	27	10100123	1	TAIL PIECE 600# FLANGED RTJ
07	10100129	1	TAIL PIECE 900# FLANGED RTJ	28	10100132	1	TAIL PIECE 900# FLANGED RF
08	10100097	1	WRENCH	29	10100131	1	BODY 900# FLANGED RF
09	10100114	1	BALL SUBASS'Y	30	71000024	1	MOISTURE & DIRT EXCLUDER "O" RING SEAL
10	10110010	2	SEAT SUBASS'Y	31	10100117	1	BODY 150# FLANGED RF
11	75000015	2	SEAT SPRING	32	10100119	1	TAIL PIECE 150# FLANGED RF
12	10100105	1	OPERATING STEM	33	77000012	1	PIPE PLUG 1/2" NPT
13	10100104	1	THRUST WASHER	34	71010010	2	SEAT INSERT "O" RING
14	10100188	1	STEM-THRUST RING	35	71010011	2	SEAT INSERT BACKUP RING
15	10100106	1	GLAND RING	36	10110011	2	SEAT CARRIER
16	10100107	1	TRAVEL STOP	37	10110012	2	SEAT INSERT

Phone: (403) 343-2822
 Toll Free: 1-866-660-KING
 Fax: (403) 347-1470
 www.kingsenergy.com

277, 28042 Highway 11
 Red Deer County
 Alberta T4S 5E4

Manufactured By: King's
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