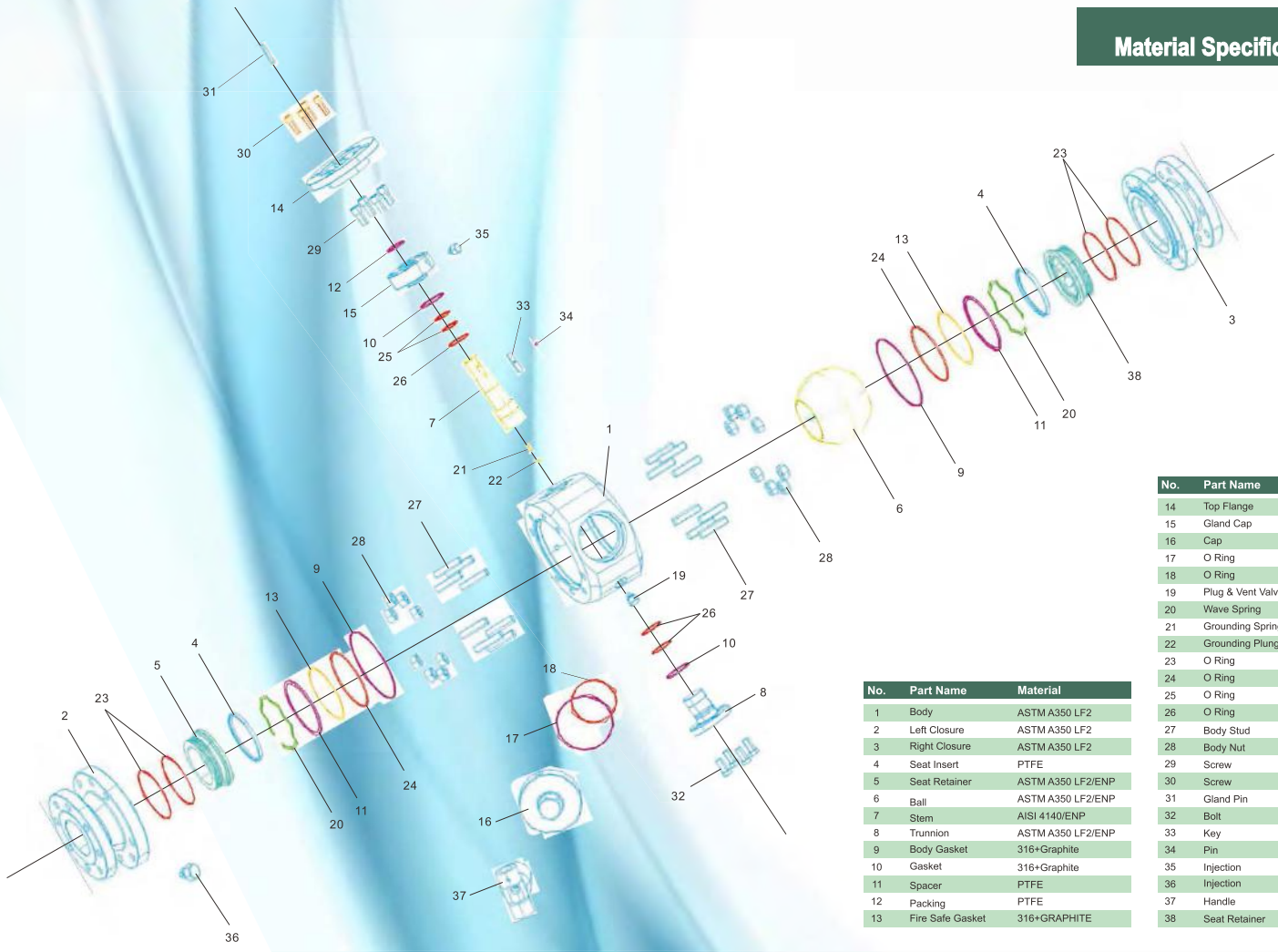


Material Specifications



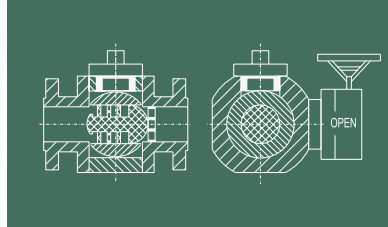
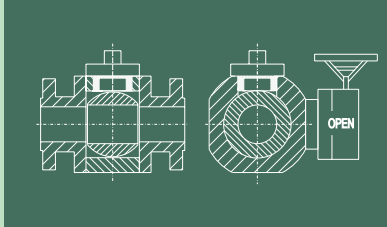
No.	Part Name	Material
14	Top Flange	ASTM A350 LF2
15	Gland Cap	ASTM A350 LF2
16	Cap	ASTM A350 LF2-N2
17	O Ring	HSN
18	O Ring	HSN
19	Plug & Vent Valve	Stainless Steel
20	Wave Spring	Inconel X-750
21	Grounding Spring	Stainless Steel
22	Grounding Plunger	Stainless Steel
23	O Ring	HSN
24	O Ring	HSN
25	O Ring	HSN
26	O Ring	HSN
27	Body Stud	ASTM A320 L7M
28	Body Nut	ASTM A194 7M
29	Screw	ASTM A320 L7M
30	Screw	ASTM A320 L7M
31	Gland Pin	Carbon Steel
32	Bolt	ASTM A320 L7M
33	Key	Carbon Steel
34	Pin	Carbon Steel
35	Injection	Stainless Steel
36	Injection	Stainless Steel
37	Handle	Carbon Steel
38	Seat Retainer	ASTM A350 LF2/ENP

No.	Part Name	Material
1	Body	ASTM A350 LF2
2	Left Closure	ASTM A350 LF2
3	Right Closure	ASTM A350 LF2
4	Seat Insert	PTFE
5	Seat Retainer	ASTM A350 LF2/ENP
6	Ball	ASTM A350 LF2/ENP
7	Stem	AISI 4140/ENP
8	Trunnion	ASTM A350 LF2/ENP
9	Body Gasket	316+Graphite
10	Gasket	316+Graphite
11	Spacer	PTFE
12	Packing Gasket	PTFE
13	Fire Safe Gasket	316+GRAPHITE

Pig Launching - Clockwise To Close

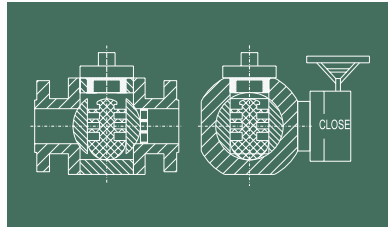
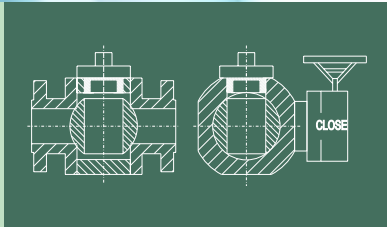
Pig Receiving - Clockwise To Close

Step 1
Open position
Through conduit flow no pockets to trap wax or debris.



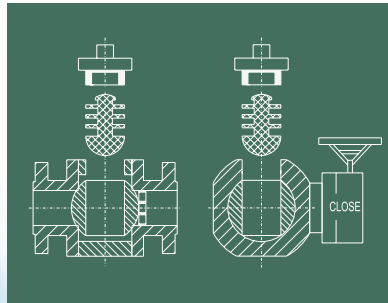
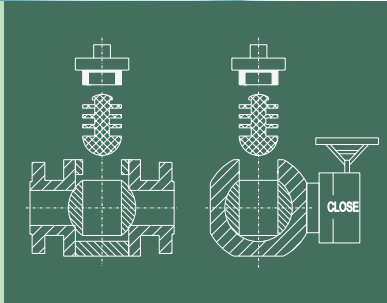
Step 1
Open position
Through conduit flow stopper in valve cavity arrests pig.

Step 2
Close valve.
Upstream and downstream is sealed off.
Vent body cavity pressure.



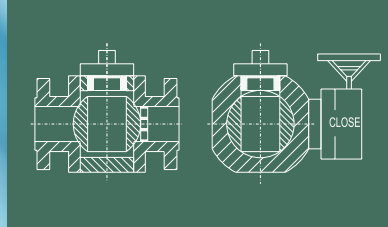
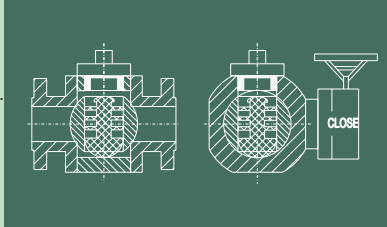
Step 2
Close valve.
Upstream and downstream is sealed off.
Vent body cavity pressure.

Step 3
Remove entry plug.
Insert pig into valve ball cavity.



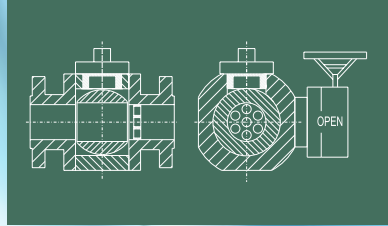
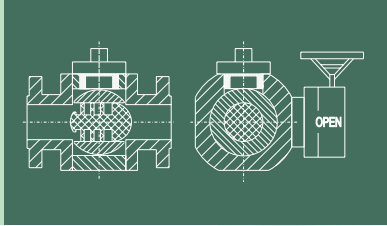
Step 3
Remove entry plug.
Remove pig from valve ball cavity.

Step 4
Screw entry plug into place.
Close vent valve.



Step 4
Screw entry plug into place.
Close vent valve.

Step 5
Open valve.
Flowline pressure moves the pig downstream.



Step 5
Open valve.
Flow brings the next pig along to be trapped.

Design Features

Double O Ring Sealing to Prevent the Leakage From Stem Area.

Secondary Metal-to-Metal Sealing Perform When non-metal Sealing is damaged.

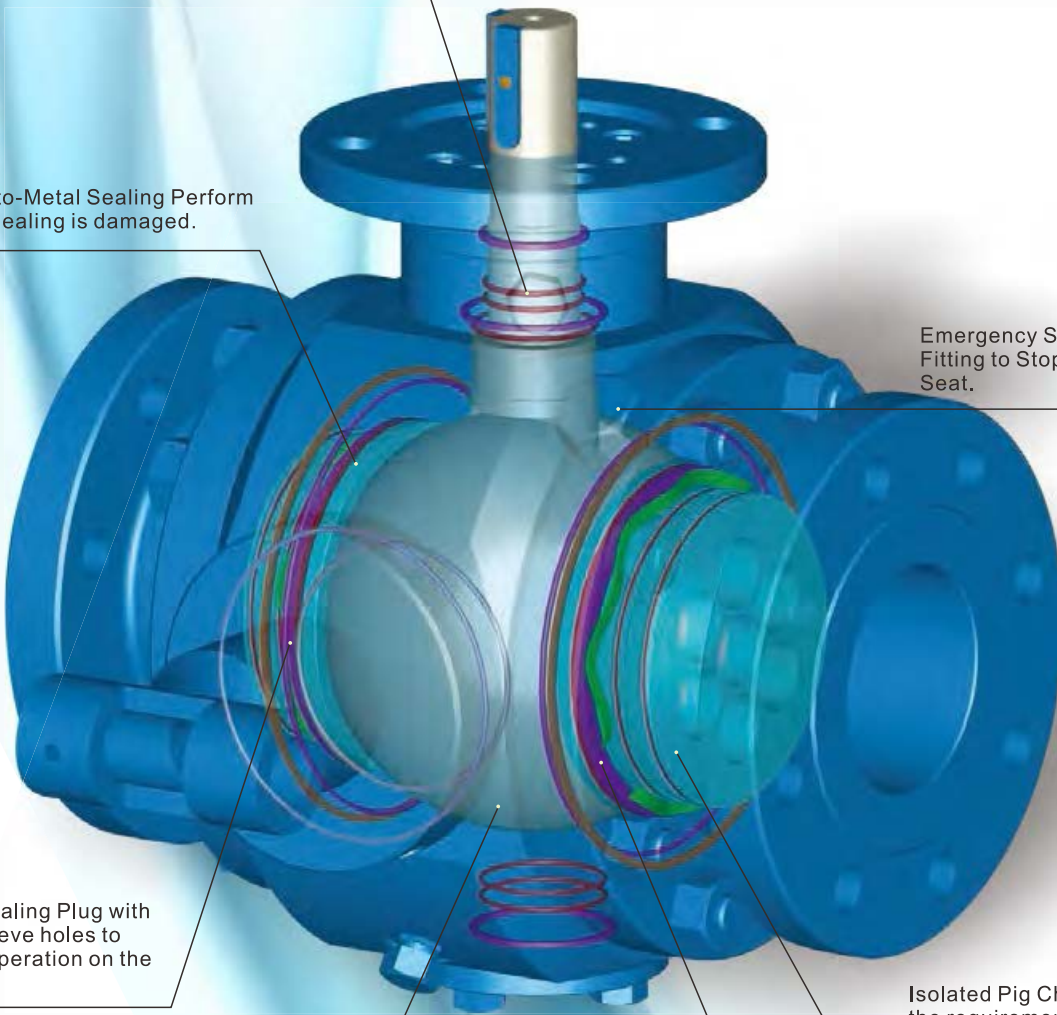
Emergency Seat sealant Injection Fitting to Stop Leakage From the Seat.

Double O-Ring Sealing Plug with Two Pressure-relieve holes to easy & Safe the Operation on the Field.

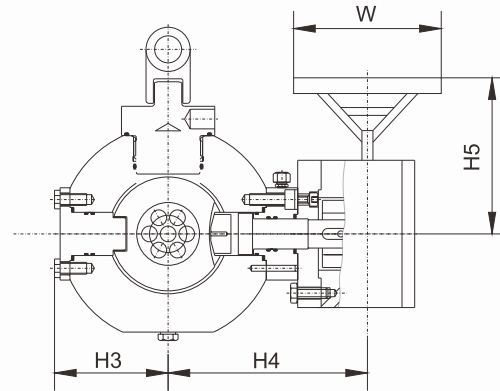
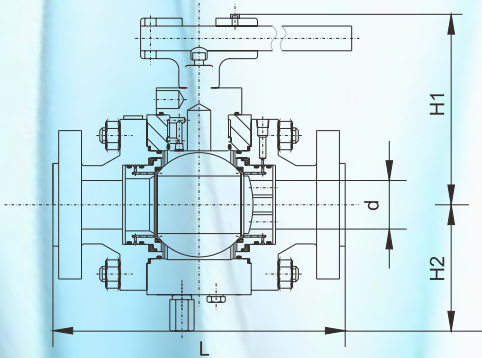
Isolated Pig Chamber to eliminate the requirement for additional shut-off valve.

Trunnion mounted ball design to Extend seat life and reduce the Torque of operation.

Energized Wave Spring Seats to easure the Sealing even at low pressure.



Dimensions



Dimensions

Dia Inch	Press Class	End Type	Face to Face mm	H1 mm	H2 mm	H3 mm	H4 mm	H5 mm	W mm
2	Class 150	RF	292*	260	141	118	258	----	----
	Class 150	RTJ	302*	260	141	118	258	----	----
	Class 300	RF	362*	260	141	118	258	----	----
	Class 300	RTJ	371*	260	141	118	258	----	----
	Class 600	RF	362*	260	141	118	258	----	----
	Class 600	RTJ	371*	260	141	118	258	----	----
3	Class 150	RF	324*	307	158	133	228	218	300
	Class 150	RTJ	333*	307	158	133	228	218	300
	Class 300	RF	356*	307	158	133	228	218	300
	Class 300	RTJ	359*	307	158	133	228	218	300
	Class 600	RF	356*	307	158	133	228	218	300
	Class 600	RTJ	359*	307	158	133	228	218	300
4	Class 150	RF	394*	355	185	171	266	300	400
	Class 150	RTJ	406*	355	185	171	266	300	400
	Class 300	RF	406*	355	185	171	266	300	400
	Class 300	RTJ	422*	355	185	171	266	300	400
	Class 600	RF	432	355	185	171	266	300	400
	Class 600	RTJ	435	355	185	171	266	300	400
6	Class 150	RF	457*	375	232	233	335	450	600
	Class 150	RTJ	467*	375	232	233	335	450	600
	Class 300	RF	480*	375	232	233	335	450	600
	Class 300	RTJ	492*	375	232	233	335	450	600
	Class 600	RF	559	375	232	233	335	450	600
	Class 600	RTJ	562	375	232	233	335	450	600
8	Class 150	RF	597*	445	300	325	405	450	600
	Class 150	RTJ	607*	445	300	325	405	450	600
	Class 300	RF	622*	445	300	325	405	450	600
	Class 300	RTJ	635*	445	300	325	405	450	600
	Class 600	RF	660	445	300	325	405	450	600
	Class 600	RTJ	663	445	300	325	405	450	600

Notes: Face to Face Length meets API Spec. '6D' except for those items marked (*).