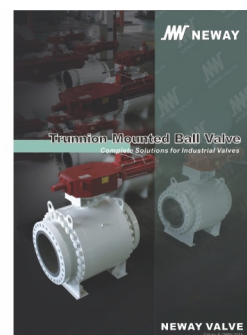


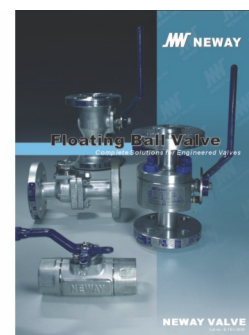
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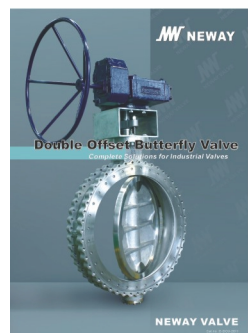
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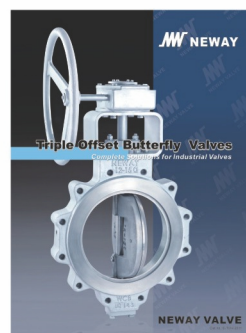
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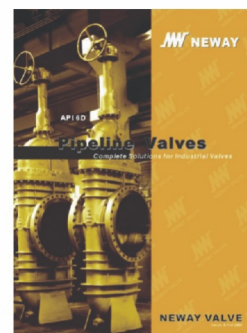
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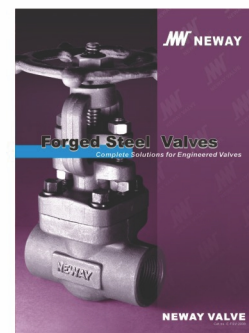
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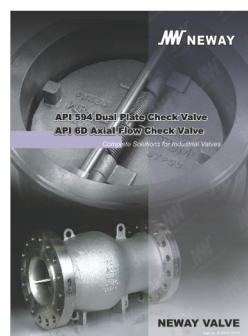
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Cat.no.:E-PLV



Cat.no.:E-FSV



Cat.no.:E-DAV



Cat.no.:E-CPS



Cat.no.:E-AV

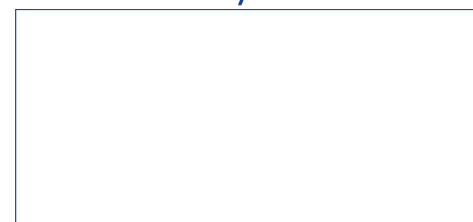


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MW NEWAY
NEWAY VALVE (SUZHOU) CO., LTD.

No.666 Taishan Road, New District,
Suzhou, P.R. China
Post Code: 215129
Tel: 86-512-666-51365
Fax: 86-512-666-51360
E-Mail: overseas.sales@neway.com.cn
www.newayvalve.com

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MW NEWAY

Pig Valves

Complete Solutions for Industrial Valves



NEWAY VALVE

Cat.no.:E-PV-2016

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- 2 How to Order
- 3 Product Introduction
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- 6 Working Sequences
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Complete Solutions for Industrial Valves

As a global leader of valve manufacturing, Neway (SSE:603699) is dedicated to the production, research, and development of industrial valves. Neway is committed to providing complete valve solutions to all industries through advanced engineering and innovation.

Neway's product line includes Ball, Gate, Globe, Check, Butterfly, Nuclear, Control, Subsea, Safety valves. Our high quality standards and innovative ability are recognized by many global end users and EPCs. Neway valves are utilized in a wide variety of industries and working conditions such as Gas, Oil, Refining, Chemical, Coal Chemical, Offshore, FPSO, Air Separation, LNG, Nuclear Power, Power Generation, and Pipeline Transmission applications.

Facilities & Service

Neway has developed a sophisticated multi-plant management system operating one valve assembly plant, one API6A valve plant, three foundries, and one R&D center. Our newest assembly plant was expanded in 2013, and it now covers 35,000 square meters.

Advanced software (ANSYS, FE-Safe, CF-Design, Siemens PLM and NX) is applied here at Neway for the Research & Development of products. We use SAP to control the traceability and status of all products during the manufacturing process. In order to ensure the safety, eco-friendliness, and reliability of our products, we use the most advanced fire-safe, cryogenic, high pressure, and fugitive emission test equipment.

As part of Neway's global strategy, to provide better service to our customers, we have established our overseas subsidiaries in North America, Brazil, Netherlands, Italy, Singapore, and Dubai along with over 80 agents and distributors worldwide.

High Quality, High Value

Neway is dedicated to continuous improvement. We maintain a quality management system that encompasses our entire operation from order entry to final inspection. Through continuous efforts, Neway's products have successfully obtained industry certifications, including ASME UV & NB, NBBI, KGS, CE, CCS, and BV approvals.

Quality Commitment

Neway recognizes the importance of valve quality for the safety and protection of personnel health and property. It is our quality commitment to focus our resources to provide our customers with first class products at a competitive price, that are designed, manufactured, inspected and tested in accordance with our customer's specifications and that comply with all international standards.

With respect to the facts that the current industrial standards do not always take into consideration the likelihood and consequences of possible deterioration in service, related to specific service fluids or the external environment in which they operate. Our customers are requested to keep an open line of communication with our engineering department to identify and implement standards, that will provide valves with the possibility of deterioration in service, so as to ensure safety over the valves expected lifetime.



Figure Number Example: 4BPR6R-SW LF2/No.15466

4

①

BPR

②

6

③

R

④

SW

⑤

LF2/No.

⑥

15466

⑦

① Valve Size

② Pig Ball Valve Tyepe

Symbol	Type
BPL	Pig launching ball valve
BPR	Pig receiving ball valve

③ ANSI Class

Code	1	3	6
Class(LB)	150	300	600

④ End Connection

Symbol	End
R	Raised face flanged end
J	RTJ flanged end
B	Butt-welding end

⑦ Trim Code

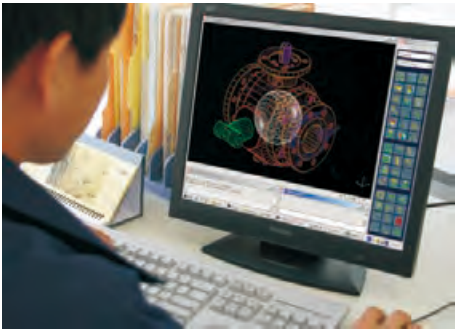
(Seat insert)	(O-Ring seals)	(Stem)	(Ball)	(Seat)
1: PTFE	1: NBR	1: F6a	1: F6a	1: F6a
2: NYLON 1010	2: VITON	2: F304	2: F304	2: F304
3: PEEK	3: VITON AED	3: A105/ENP	3:A105/ENP	3: A105/ENP
4: Polyphenylene	4: VITON B	4: 17-4PH	4: 17-4PH	4: 17-4PH
5: DEVLON 5	5: HSN (HNBR)	5: AISI 4140	5: AISI 4140	5: AISI 4140
6: KEL-F	6:	6: F316	6: F316	6: F316
7: NYLON 12	7: PTFE COATED VITON	7: F304L	7: F304L	7: F304L
8: PCTFE	8: VITON GLT	8: F316L	8: F316L	8: F316L
9: MOLON	9: BUNA-N	9: LF2/ENP	9: LF2/ENP	9: LF2/ENP

⑤ Stem Operation

Symbol	Description
	Lever handle
SW	Gear operator
M	Electric actuator
P	Pneumatic actuator

⑥ Body Material

A105	=	ASTMA105
LF2	=	ASTMA350 LF2
F304	=	ASTMA182 F304
F316	=	ASTMA182 F316



Design



Finished Pig Valve

Pig valve, normally consists of Pig Launching & Pig Receiving valve, is a device to clean the internal pipe periodically, and it is especially widely used in Oil & Gas pipeline industry. Neway series pig valves are developed from our existing series BS forged steel 3PC trunnion mounted ball valves, and have the function of launching or receiving pig as well as all the natural function of standard pipe line ball valves. This field-tested pig valve offers durability and reliability service for oil and gas applications to improve the piping transportation efficiency. It can easily and safely use most of popular pig styles, either One-Piece Molded Pigs or Spherical Pigs that are intended for use in pig ball valves.

Main Application:

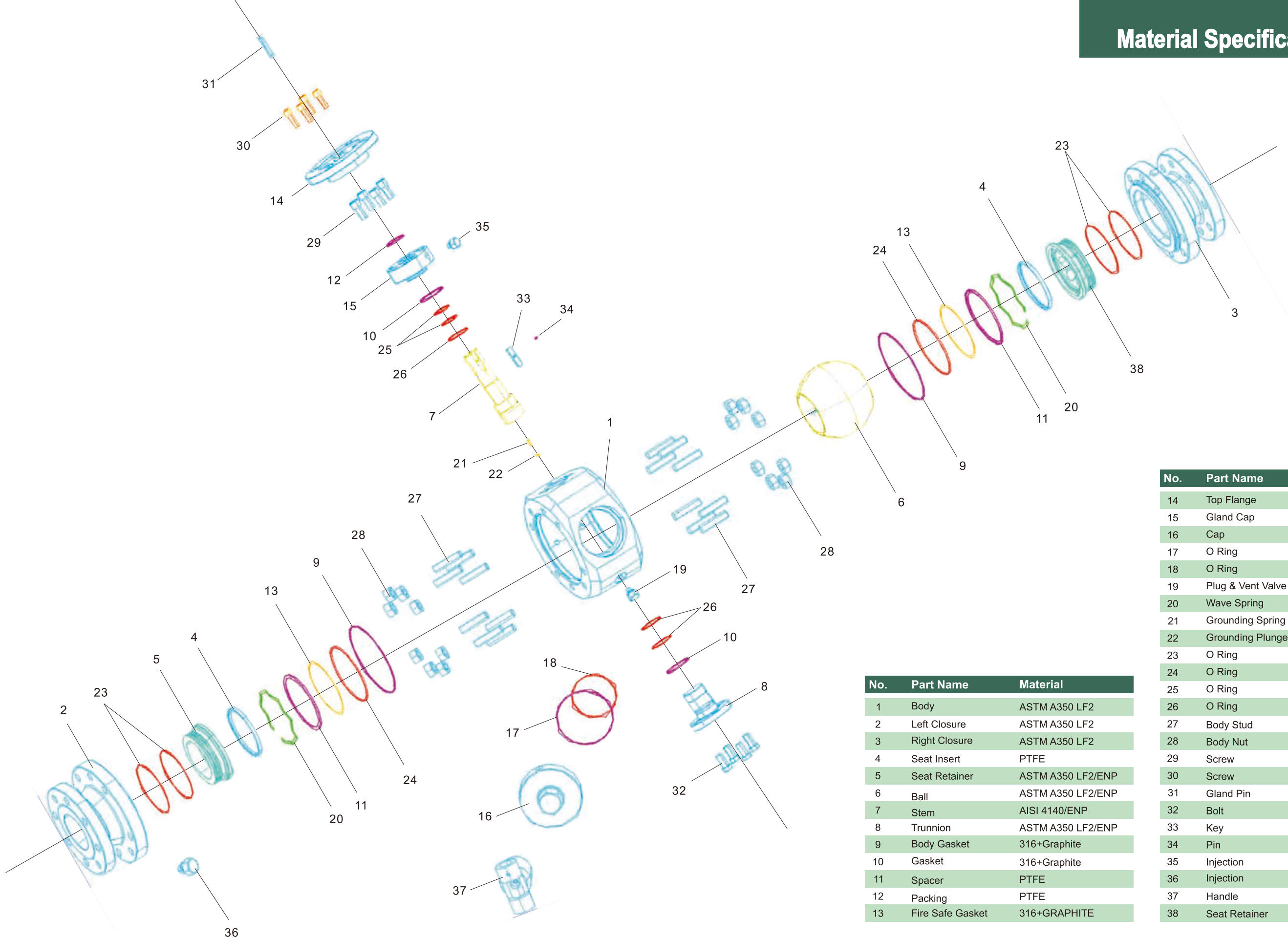
- Clean the new installed pipe internal residue prior first commissioning.
- Internal pipe wall anti-rust and corrosion-resistant coating.
- Pipe regular maintenance to removal of liquid, wax and general cleaning.
- Isolation and transition of differential working media in same pipe.



Application I



Application II

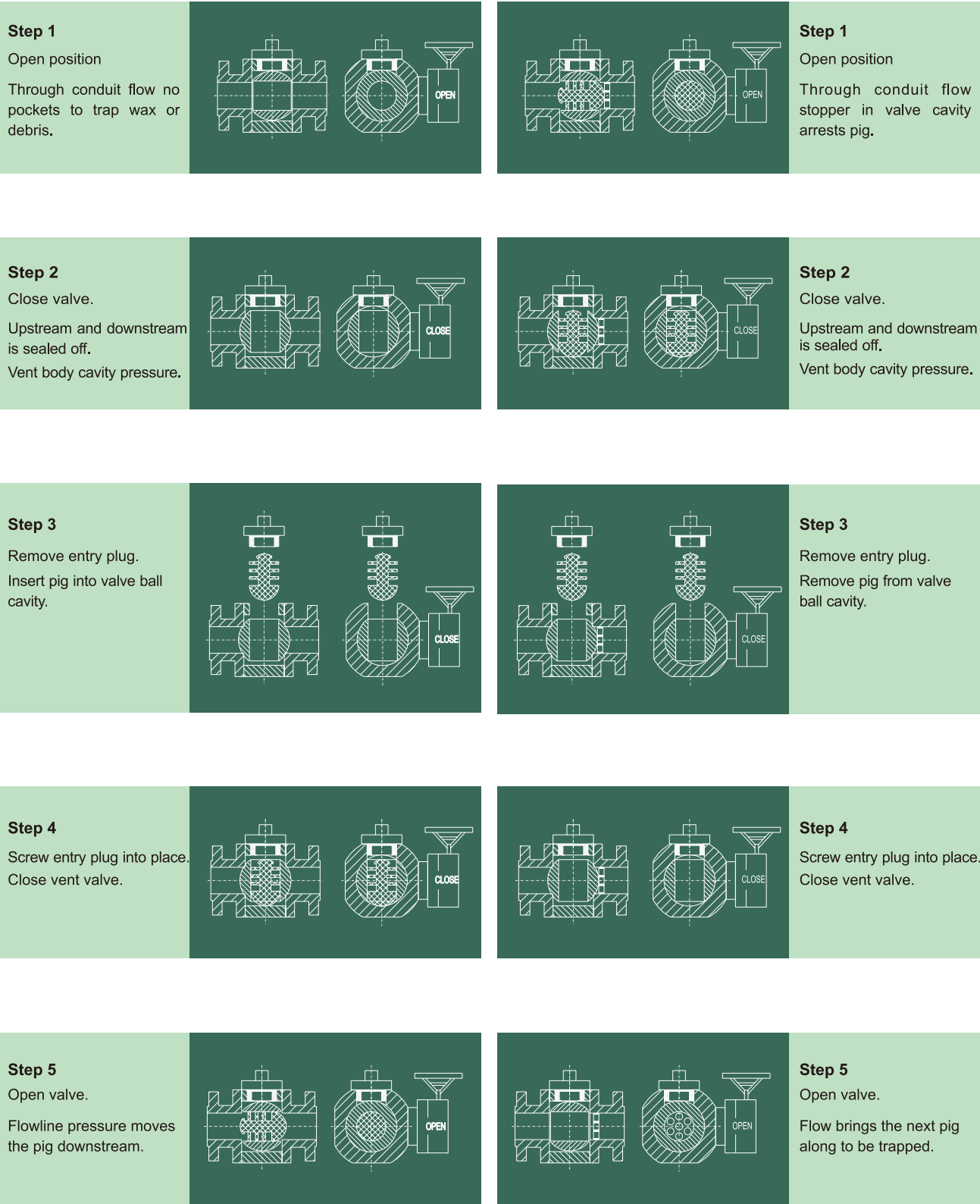


No.	Part Name	Material
1	Body	ASTM A350 LF2
2	Left Closure	ASTM A350 LF2
3	Right Closure	ASTM A350 LF2
4	Seat Insert	PTFE
5	Seat Retainer	ASTM A350 LF2/ENP
6	Ball	ASTM A350 LF2/ENP
7	Stem	AISI 4140/ENP
8	Trunnion	ASTM A350 LF2/ENP
9	Body Gasket	316+Graphite
10	Gasket	316+Graphite
11	Spacer	PTFE
12	Packing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

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

Pig Launching - Clockwise To Close

Pig Receiving - Clockwise To Close



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.

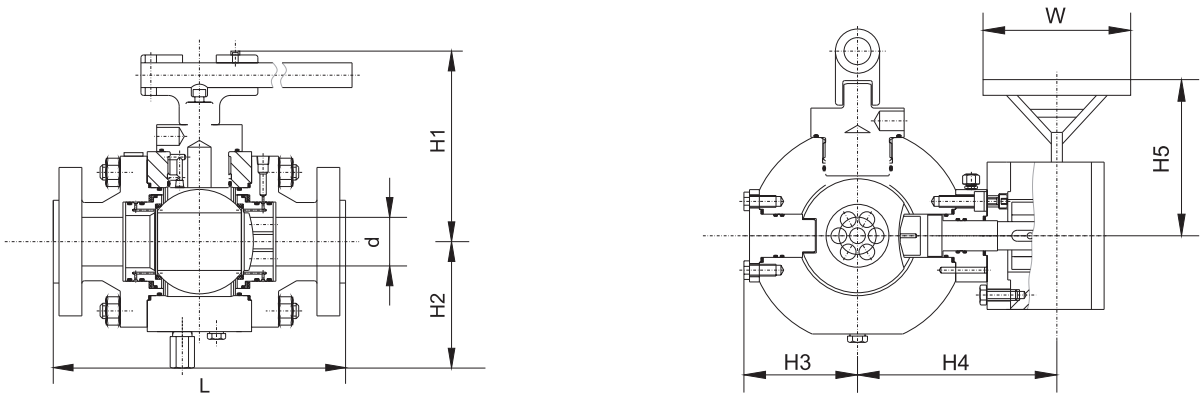
Double O-Ring Sealing Plug with Two Pressure-relieve holes to easy & Safe the Operation on the Field.

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

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

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(*).

Size 10"~16" Class 150~600 are available on special request.

Product Warranty

Seller will replace without charge or refund the purchase price of products provided by Seller which prove to be defective in material or workmanship, provided in each case that the product is properly installed and is used in the service for which Seller recommends it and that written claim, specifying the alleged defect, is presented to the Seller within 18 months from the date of shipment or 12 months after installation, whichever occurs first. Seller shall in no event bear any labor, equipment, engineering or other costs incurred in connection with repair of replacement. The warranty stated in this paragraph is in lieu of all other warranties, either expressed or implied. With respect to warranties, this paragraph states Buyer's exclusive remedy and seller's exclusive liability.