



## Stainless Steel Oil Gas Valve Alloy Steel Plug Valve With PN16 PN25 PN40 PN64 PV-010-DN100

Our Product Introduction

### Basic Information

- Place of Origin: CHINA
- Brand Name: DEYE
- Certification: ISO9001:2015 PED
- Model Number: DY-V-24
- Minimum Order Quantity: 10PCS
- Price: USD2-USD20000 each
- Packaging Details: carton box+ ply wooden cases or carton+ Pallets
- Delivery Time: 20 days for usual order, 7 days for stocked items
- Payment Terms: T/T, L/C, D/P
- Supply Ability: 1000pcs one month



### Product Specification

- Highlight: Stainless Steel Oil Gas Valve,  
 PN16 Oil Gas Valve, Alloy steel plug valve

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## Product Description

**API 6D plug valve** features a cylindrical or conic disc, with one or multiple horizontal hollow passageways, that can be rotated to open, close or control the flow of the fluid through the valve. The most used type is the two-port lubricated type with an open and closed position.

### Product Information / Product Description / Basis Information / Specification

API VALVE Standard	API600 Bolted Bonnet Steel Gate Valves for Petroleum and Natural Gas Industries API602 Forged Steel valves API603 Stainless steel valve API6D Gate valve, Plug valve and Ball valve API609 Butterfly valve API594 Wafer, Lug check valve BS1868 check valve BS1873/ BS 5352 cast and forged Globe valve
Types	Straight-through plug valve, three-way plug valve, and four-way plug valve, cartridge plug valve, soft seal plug valve, oil lubricated sliding seal plug valve, lifting plug valve, Eccentric Type, Double Expanding (Double Block and Bleed – DBB)
Size	1/2"-24 DN15-DN600
End Connection	Flange Ends, RF, FF, RTJ, LM, BW ends, threaded ends NPT, BSPT, BSPP, Socket Welded Ends
Pressure Range	CL150LBS, 300LBS, 600LBS, 800LBS 900LBS, PN6 PN10 PN16 PN25 PN40. PN64 PN110, PN160
Surface	Acid pickling, Polished, Galvanized, Painting, epoxy Power Coated

### Material List Grade

Main Ingredients	Standards							
	Castings				Bar or Forgings			
	ASTM	DIN (W.-Nr.)	UNS-No.	JIS	ASTM	DIN (W.-Nr.)	UNS-No.	JIS
<b>Martensitic Stainless Steel</b>								
13Cr-4Ni-0.8Mo	A743 CA6NM	1.4313	J91540	SCS6	A276 S41500	1.4313	S41500	
<b>Austenitic Stainless Steel</b>								
18Cr-8Ni	A351 CF8	1.4308	J92600	SCS1 3A	A276 304	1.4301	S30400	SUS 304
18Cr-8Ni-LS <sup>(1)</sup>								
18Cr-8Ni-LC <sup>(2)</sup>	A351 CF3	1.4306	J92500	SCS1 9A	A276 304L	1.4306	S30403	SUS 304L
18Cr-9Ni-2Mo	A351 CF8M	1.4408	J92900	SCS1 4A	A276 316	1.4401	S31600	SUS 316
18Cr-9Ni-2Mo-LS <sup>(1)</sup>								
18Cr-9Ni-2Mo-LC <sup>(2)</sup>	A351 CF3M	1.4404	J92800	SCS1 6A	A276 316L	1.4404	S31603	SUS 316L
18Cr-10Ni-Nb	A351 CF8C	1.4552	J92710	SCS2 1	A276 347	1.455	S34700	SUS 347
18Cr-12Ni-3.5Mo	A351 CG8M		J93000		A276 317	1.4449	S31700	SUS 317
18Cr-12Ni-3.5Mo-LC <sup>(2)</sup>	A351 CG3M		J92999		A276 317L	1.4438	S31703	SUS 317L
18Cr-13Ni-4.5Si								
21Cr-29Ni-2.5Mo-3.5Cu	A351 CN7M	1.4536	J95150	SCS2 3	A473 N08020	2.466	N08020	
21Cr-29Ni-2.7Mo-3.2Cu-LC <sup>(2)</sup>	A990 CN3MCu							
25Cr-20N	A351 CK20		J94202	SCS1 8	A276 310S	1.4845	S31008	SUS 310S
33Ni-20Cr-45Fe-Nbi	A351 CT15C	1.4859	N28820		B408 N08800	1.4876	N08800	NCF800
<b>Super Austenitic Stainless Steel</b>								
21Cr-24Ni-6.5Mo-N	A351 CN3MN				B691 N08367		N08367	SUS 836L
25Cr-24Ni-6.5Mo-N	A351 CN3MN mod.							
20Cr-18Ni-6.5Mo-N-Cu	A351 CK3MCuN		J93254		A276 S31254		S31254	




Advantages of the plug valve

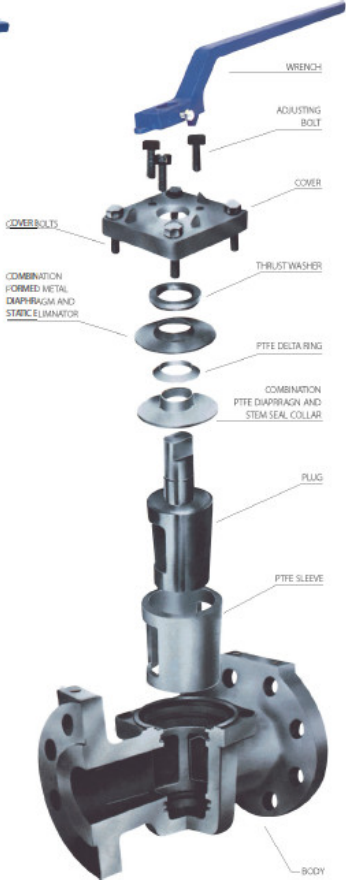
- 1. Plug valves are used for frequent operation, with quick and lightweight opening and closing.
- 2. The plug valve has low fluid resistance.
- 3. The plug valve has a simple structure, relatively small volume, light weight, and is easy to maintain.
- 4. Good sealing performance.
- 5. The flow direction of the medium can be arbitrary without being limited by the installation direction.
- 6. No vibration, low noise

Plug Valves catalogue pages

PLUG VALVE



DEYE VALVE



**MATERIALS OF CONSTRUCTION**

Body and Plug1	As Specified	
Cover2	Carbon Steel or 304 SS	
Cover Bolts2	Carbon Steel or 304 SS	
Adjusting Bolts	304 SS	
Thrust Washer	304 SS	
Metal Diaphragm3	304 SS, MONEL	
Delta Ring	PTFE Fluorocarbon	
Diaphragm	PTFE Fluorocarbon	
Sleeve4	PTFE Fluorocarbon	
Wrench Operator5	Carbon Steel	
Wrench Bolts	Steel	
Gear Assembly Heavy Duty Cast Carbon	Steel Housing	
Gear Adaptors Hi-Strength	Steel	
Gear Mounting Bracket	304 SS	
Mounting Bracket Bolts	Steel	

1. See "Technical Data" for material selections.  
2. Cover and bolt materials of standard valves will be supplied in accordance with the following table:

SPECIFIED BODY MATERIAL	COVER MATERIAL	COVER BOLT MATERIAL
Ductile Iron	Carbon Steel	ASTM A-193 GR.B7
Carbon Steel	Carbon Steel	ASTM A-193 GR.B7
All Other Materials	CF8	ASTM A-193 GR.B8

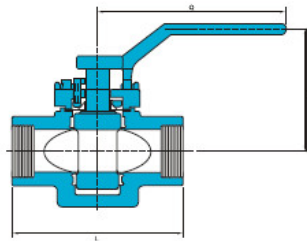
3. MONEL metal diaphragms will be supplied with valves having a MONEL or nickel trim. All others will be supplied with 304 SS diaphragms.  
4. Glass reinforced PTFE (RTFE), PFA Fluorocarbon, GF-2P, Hi-Temp, and UHMWPE sleeves are available on special order.  
5. 304 SS available on special order.

## PLUG VALVE

Class150/300, size:1/2"-2"

### Features

Class 150/300  
Screwed Ends  
Wrench Operated  
Actuators optional



### Dimensions & Weights (Class 150/300)

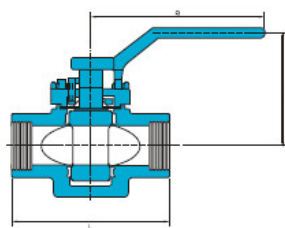
SIZE	L		H		Q		Wt's	
	in.	mm.	in.	mm.	in.	mm.	(Kg)	(lbs.)
1/2"	3.93	100	3.38	86	8	203	2	4.4
3/4"	3.93	100	3.38	86	8	203	2	4.4
1"	5.5	140	4.5	114	9	229	3	6.6
1-1/2"	6.3	160	5.31	135	14.25	362	6	13.2
2"	7.87	200	6.25	159	16.5	419	10	22

## PLUG VALVE

Class150/300, size:1/2"-2"

### Features

Class 150/300  
Socketweld Ends  
Wrench Operated  
Actuators optional



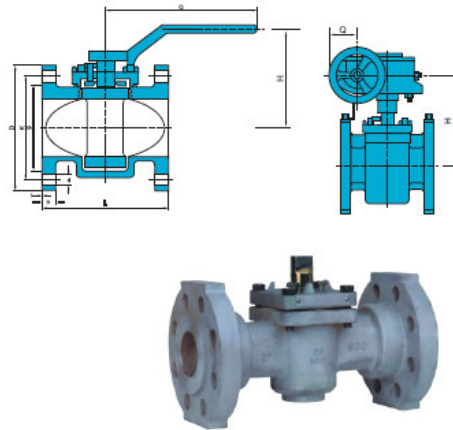
### Dimensions & Weights (Class 150/300)

SIZE	L		H		D		J		F		Q		Wt's	
	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	(Kg)	(lbs.)
1/2"	3.93	100	3.38	86	0.85	21.6	0.55	14	0.37	9.5	8	203	2	4.4
3/4"	3.93	100	3.38	86	1.07	27.2	0.75	19	0.5	12.7	8	203	2	4.4
1"	5.5	140	4.5	114	1.34	34	0.98	25	0.5	12.7	9	229	3	6.6
1-1/2"	6.3	160	5.31	135	1.92	48.8	1.5	38	0.5	12.7	14.25	362	6	13.2
2"	7.87	200	6.25	159	2.4	61	1.97	50	0.66	16.7	16.5	419	10	22

Class600, size:1/2"-12"

**Features**

CLASS 600  
 Flanged Ends  
 Wrench Operated  
 (EG)Enclosed Gear Operated  
 Actuators optional on all sizes

**Dimensions & Weights (Class 600)**

SIZE	L		H		D		K		g	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
600#										
1/2"	6.50	165.1	3.38	85.7	3.75	95.3	2.62	66.5	1.38	35.1
3/4"	7.50	190.5	3.38	85.9	4.62	117.3	3.25	82.6	1.69	42.9
1"	8.50	215.9	4.50	114.3	4.88	124.0	3.50	88.9	2.00	50.8
1-1/2"	9.50	241.3	5.31	134.9	6.12	155.4	4.50	114.3	2.88	73.2
2"	11.50	292.4	6.25	158.8	6.50	165.1	5.00	127.0	3.62	91.9
2-1/2"	13.00	330.2	6.56	166.6	7.50	190.5	5.88	149.4	4.12	104.6
3"	14.00	355.6	6.56	166.6	8.25	209.6	6.62	168.1	5.00	127.0
4"	17.00	431.8	7.53	191.1	10.75	273.1	8.50	215.9	6.19	157.2
4"EG	17.00	431.8	9.10	231.1	10.75	273.1	8.50	215.9	6.19	157.2
6"	22.00	558.8	10.80	274.3	14.00	355.6	11.50	292.1	8.50	215.9
8"	26.00	660.4	12.75	323.9	16.50	419.1	13.75	349.3	10.62	269.7
10"	31.00	787.4	14.68	372.9	20.00	508.0	17.00	431.8	12.75	323.9
12"	33.00	838.2	16.40	416.6	22.00	558.8	19.25	489.0	15.00	381.0

SIZE	b		f		d		Q		N	Wt#	
	in.	mm	in.	mm	in.	mm	in.	mm	NO	(Kg)	(Lbs.)
600#											
1/2"	0.56	14.2	0.25	6.4	0.62	15.7	8.00	203.2	4	3.6	8
3/4"	0.62	15.7	0.25	6.4	0.75	19.1	8.00	203.2	4	5.0	11
1"	0.69	17.5	0.25	6.4	0.75	19.1	9.00	228.6	4	7.3	16
1-1/2"	0.88	22.4	0.25	6.4	0.88	22.4	14.25	362.0	4	12.3	27
2"	1.00	25.4	0.25	6.4	0.75	19.1	16.50	419.1	8	18.2	40
2-1/2"	1.12	28.4	0.25	6.4	0.88	22.4	16.50	419.1	8	N/A	N/A
3"	1.25	31.8	0.25	6.4	0.88	22.4	16.50	419.1	8	38.6	85
4"	1.50	38.1	0.25	6.4	1.00	25.4	23.63	599.1	8	68.2	150
4"EG	1.50	38.1	0.25	6.4	1.00	25.4	7.25	184.2	8	81.8	180
6"	1.88	47.8	0.25	6.4	1.12	28.4	7.25	184.2	12	152.3	335
8"	2.19	55.6	0.25	6.4	1.25	31.8	9.75	247.7	12	222.7	490
10"	2.50	63.5	0.25	6.4	1.38	35.1	9.75	247.7	16	N/A	N/A
12"	2.62	66.5	0.25	6.4	1.38	35.1	13.75	349.3	20	N/A	N/A

Dimensions for sizes larger than 12" available on request

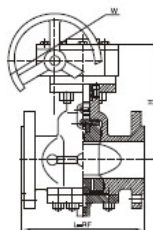
N-Number of holes

## API PLUG VALVE

*Inverted Pressure Balance Lubricated Plug*  
Class150/900, size:1/2"-14"

### Features

Design & manufacture: API 559 , API 6D  
Face to face: ANSI B16.10  
Flanged End: ANSI B16.5  
Check and Test: API 598 , API 6D



## DEYE VALVE

### Dimensions & Weights

Pressure		150Lb														
Size	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
	in	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14
L-RF		108	117	127	140	165	178	190	203	229	254	267	292	330	356	381
L-BW		152	178	203	216	229	267	305	330	356	381	394	457	533	610	686
H		180	180	185	200	210	215	250	270	300	340	365	400	450	510	590
W		400	400	500	500	600	600	820	820	300	300	320	320	350	380	380
Weight(Kg)		10	12	14	17	19	21	29	33	48	75	98	125	171	230	370

Pressure		300Lb														
Size	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
	in	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14
L-RF		140	152	165	178	190	216	241	283	305	381	403	419	457	502	762
L-BW		152	178	203	216	229	267	305	330	356	381	457	521	559	635	762
H		180	180	185	200	210	215	250	270	300	340	365	400	450	510	590
W		400	400	500	600	600	820	1000	1000	300	300	320	320	350	380	380
Weight(Kg)		12	14	16	19	21	24	31	36	61	86	130	190	255	380	560

Pressure		600Lb														
Size	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
	in	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14
L-RF - BW		165	190	216	229	241	292	330	356	432	508	559	660	787	838	889
H		180	180	185	200	210	215	250	270	300	340	365	400	450	510	590
W		400	400	500	500	600	600	820	820	300	300	320	320	350	380	380
Weight(Kg)		14	16	18	20	24	29	35	47	91	129	210	320	660	920	1250

Pressure		900Lb														
Size	mm	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
	in	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14
L-RF - BW		229	229	254	279	305	368	419	381	457	559	610	737	838	965	1029
H		180	180	185	200	210	215	250	270	300	340	365	400	450	510	590
W		400	400	500	600	600	820	1000	1000	300	300	320	320	350	380	380
Weight(Kg)		17	29	21	24	30	37	44	65	110	160	255	380	810	1050	1460

### Application:

Valve is a universal component industrial product that is widely used in many industries, such as petroleum, petrochemical, chemical, metallurgy, power, water conservancy, urban construction, machinery, coal, food, Sea water, Oil Refining, environment, energy.

### Reference Standard:

API 600: cast carbon and alloy valves  
API 603: stainless steel valves  
API 602/BS 5352: forged valves  
API 6D: slab and through conduit valves for pipelines  
API 598 and BS EN 12266-1: valves testing  
ASME B16.10: face to face dimensions for valves  
ASME B16.5 and ASME B16.47: flanged connections  
ASME B16.25: butt weld connections design  
ASME B16.34: Pressure ratings pressure and temperature ratings by material grade  
ISO 7-1:1994, Pipe threads where pressure-tight joints are made on the threads — Part 1: Dimensions, tolerances and designation.  
ISO 4200:1991, Plain end steel tubes, welded and seamless — Dimensions.  
ISO 5208:1993, Industrial valves — Pressure testing of valves.  
ISO 5209:1977, General purpose industrial valves — Marking.  
ISO 5210:1991, Industrial valves — multi-turn valve actuator attachments.  
ISO 5752: — 1), Metal valves for use in flanged pipe systems — Face-to-face and center-to-face dimensions.  
ISO 6708:1995, Pipework components — Definition and selection of DN (nominal size) .  
ISO 7005-1:1992, Metallic flanges — Part 1: Steel flanges.  
ISO 7268:1983, Pipe components — Definition of nominal pressure.  
ASME B1.1:1989, Unified inch screw threads (UN and UNR thread form) .  
ASME B1.5:1988 (R1994), Acme screw threads.  
ASME B1.8:1988 (R1994), Stub Acme screw threads.  
ASME B1.12:1987 (R1992), Screw threads — Class 5 interference — Fit thread.  
ASME B1.20.1:1983 (R1992), Pipe threads, general purpose (inch) .  
ASME B16.5:1996, Pipe flanges and flanged fittings.  
ASME B16.34:1996, Valves — Flanged, threaded and welding end.  
ASME B18.2.2:1987 (R1993), Square and hex nuts (inch series) .  
ASTM A193:1996, Specification for alloy steel and stainless-steel bolting materials for high-temperature service.  
ASTM A194:1996, Specification for carbon and alloy steel nuts for bolts for high-pressure and high-temperature service.



ASTM A307:1994, Specification for carbon steel bolts and studs, 60 000 psi tensile strength.  
MSS SP-55:1985 (R1990), Quality standard for steel castings, visual surface examination.  
1) To be published. (Revision of ISO 5752:1982)

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