PLUG VALVE

Sleeved Plug Valve
PN16, DN15~DN100

MODEL: KPD-PVF

» Features

- Bi-directional bubble-tight seal independent of line pressure.
- Self-lubricating with little to no maintenance.
- PTFE sleeve retained by special 360^0 metal lip around the ports.
- Free of cavity to entrap flow media.
- In-line seal adjustable independent of shaft seal, even when mounted with actuator.
- Suitable for use in petrochemical, chemical, mining industries.
- Manual operation as standard, with ISO 5211 bracket for actuator mounting.
- Available in flanged, butt-welding, and socket-welding connections.
- Size range from DN 15~DN600.

» Standards

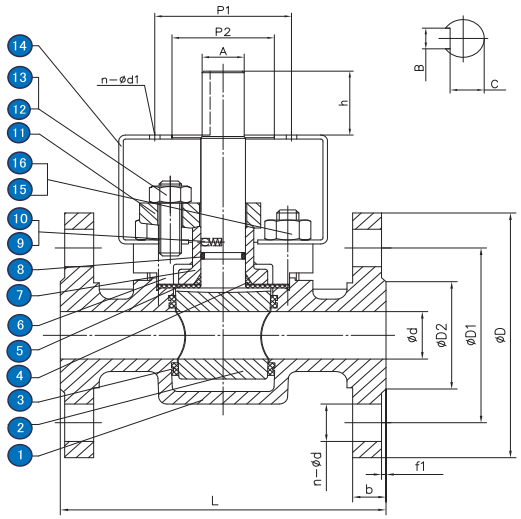
- Basic design and manufacture to API 599
- Face to face acc. to EN 558
- Flange end dimension to EN 1092-1
- Pressure Test to EN 12266-1
- Conformity to Directive 2014/68/EU

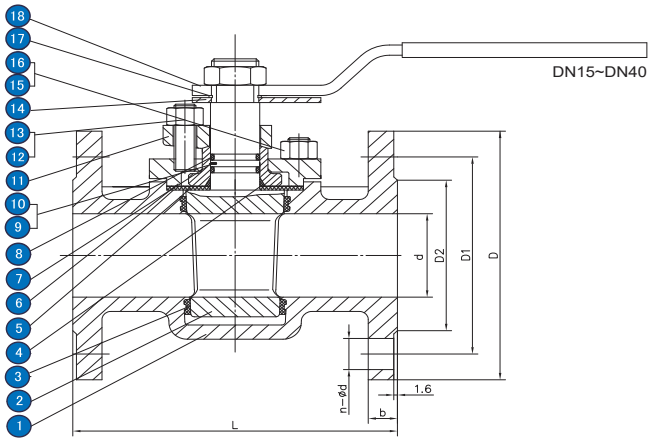
» Also available

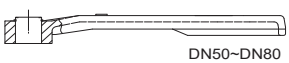
- Inverted Lubricated Plug Valve
- Jacketed Sleeved Plug Valve

» Temperature Range

-10°C to 180°C (-14°F to 350°F)









Material List

No.	PARTS NAME	MATERIALS
1	Body	1.0619/1.4308/1.4408
2	Plug	1.4308/1.4408
3	Liner	PTFE
4	Wedge Gasket	PTFE
5	Gasket	PTFE
6	Bonnet	1.0619/1.4308/1.4408
7	Gland	A182 F6A/F304/F316
8	O-Ring	Viton
9	Small ball	S.S
10	Small spring	S.S
11	Gland Flange	1.0619/1.4308/1.4408
12	Gland bolt	A193 B7/B8
13	Gland Nut	A194 2H/8
14	Yoke	Corbon Steel
15	Bonnet bolt	A193 B7/B8
16	Bonnet Nut	A194 2H/8
17	Spring ring	C.S./S.S.
18	Lever/Gear	Corbon Steel

Dimensions (mm)

Size		Bare Stem									Main Dimensions						
IN	DN	h	A	B	C	P1	P2	n-Ød1	ISO	Torque N.m	d	D	D1	D2	L	b-f1	n-Ød
1/2"	15	30	12	4	9.5	50	35	4-Ø8	F05	25	13	95	65	45	130	16-2	4-Ø14
3/4"	20	30	12	4	9.5	50	35	4-Ø8	F05	30	19	105	75	58	150	18-2	4-Ø14
1"	25	35	14	5	11	70	55	4-Ø9	F07	40	25	115	85	68	160	18-2	4-Ø14
1¼"	32	35	21	6	17.5	70	55	4-Ø9	F07	45	32	140	100	78	180	18-2	4-Ø18
1½"	40	35	21	6	17.5	70	55	4-Ø9	F07	65	38	150	110	88	200	18-3	4-Ø18
2"	50	35	26	8	22	70	55	4-Ø9	F07	80	51	165	125	102	230	18-3	4-Ø18
2½"	65	35	26	8	22	70	55	4-Ø9	F07	80	51	185	145	122	290	18-3	8-Ø18
3"	80	35	32	10	27	70	55	4-Ø9	F07	160	76	200	160	138	310	20-3	8-Ø18
4"	100	45	35	10	30	102	70	4-Ø11	F10	300	102	220	180	158	350	20-3	8-Ø18

Note: Torque calculated at maximum pressure diff erential, safety factor is not included.

PLUG VALVE

Sleeved Plug Valve
PN16, DN125~DN400

MODEL: KPD-PVF

» Features

- Bi-directional bubble-tight seal independent of line pressure.
- Self-lubricating with little to no maintenance.
- PTFE sleeve retained by special 360^0 metal lip around the ports.
- Free of cavity to entrap flow media.
- In-line seal adjustable independent of shaft seal, even when mounted with actuator.
- Suitable for use in petrochemical, chemical, mining industries.
- Manual operation as standard, with ISO 5211 bracket for actuator mounting.
- Available in flanged, butt-welding, and socket-welding connections.
- Size range from DN 15~DN600.

» Standards

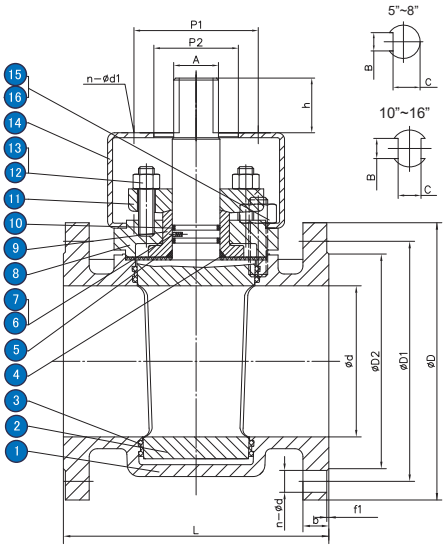
- Basic design and manufacture to API 599
- Face to face acc. to EN 558
- Flange end dimension to EN 1092-1
- Pressure Test to EN 12266-1
- Conformity to Directive 2014/68/EU

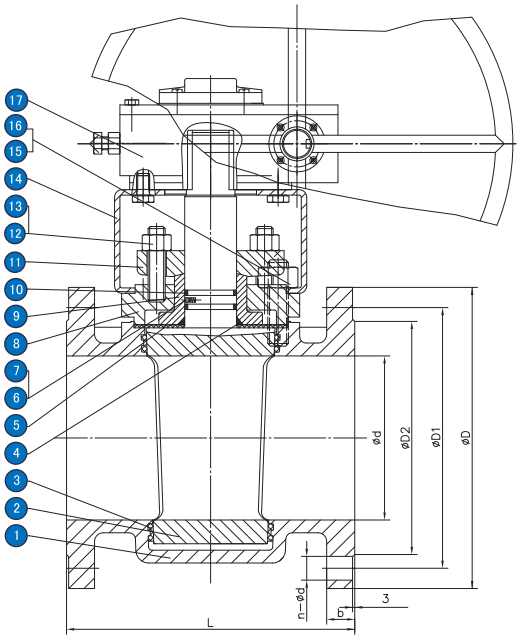
» Also available

- Inverted Lubricated Plug Valve
- Jacketed Sleeved Plug Valve

» Temperature Range

-10°C to 180°C (-14°F to 350°F)





Material List

No.	PARTS NAME	MATERIALS
1	Body	1.0619/1.4308/1.4408
2	Plug	1.4308/1.4308/1.4408
3	Liner	PTFE
4	Wedge Gasket	PTFE
5	Gasket	PTFE
6	Small ball	S.S
7	Small spring	S.S
8	Bonnet	1.0619/1.4308/1.4408
9	Gland	A182 F6A/F304/F316
10	O-Ring	Viton
11	Gland Flange	1.0619/1.4308/1.4408
12	Gland bolt	A193 B7/B8/B8
13	Gland Nut	A194 2H/8/8
14	Yoke	Corbon Steel
15	Bonnet bolt	A193 B7/B8/B8
16	Bonnet Nut	A194 2H/8/8
17	Gear	Corbon Steel

Dimensions (mm)

Size		Bare Stem									Main Dimensions						
IN	DN	h	A	B	C	P1	P2	n-Ød1	ISO	Torque N.m	d	D	D1	D2	L	b-f1	n-Ød
5"	125	55	45	14	39.5	125	85	4-Ø14	F12	600	127	250	210	188	325	22-3	8-Ø18
6"	150	55	45	14	39.5	125	85	4-Ø14	F12	850	152	285	240	212	350	22-3	8-Ø22
8"	200	65	50	14	44.5	140	100	4-Ø18	F14	1200	203	340	295	268	400	24-3	12-Ø22
10"	250	65	60	18	46	140	100	4-Ø18	F14	2200	254	405	355	320	450	26-3	12-Ø26
12'	300	80	65	18	51	165	130	4-Ø22	F16	3000	305	460	410	378	500	28-4	12-Ø26
14"	350	110	70	20	55	254	200	8-Ø18	F25	5000	337	520	470	438	550	30*4	16-Ø26
16"	400	110	75	20	60	254	200	8-Ø18	F25	6000	387	580	525	490	600	32-4	16-Ø30

Note: Torque calculated at maximum pressure diff erential, safety factor is not included.

PLUG VALVE

Sleeved Plug Valve
PN16, DN450

MODEL: KPD-PVF

» Features

- Bi-directional bubble-tight seal independent of line pressure.
- Self-lubricating with little to no maintenance.
- PTFE sleeve retained by special 360^0 metal lip around the ports.
- Free of cavity to entrap flow media.
- In-line seal adjustable independent of shaft seal, even when mounted with actuator.
- Suitable for use in petrochemical, chemical, mining industries.
- Manual operation as standard, with ISO 5211 bracket for actuator mounting.
- Available in flanged, butt-welding, and socket-welding connections.
- Size range from DN 15~DN600.

» Standards

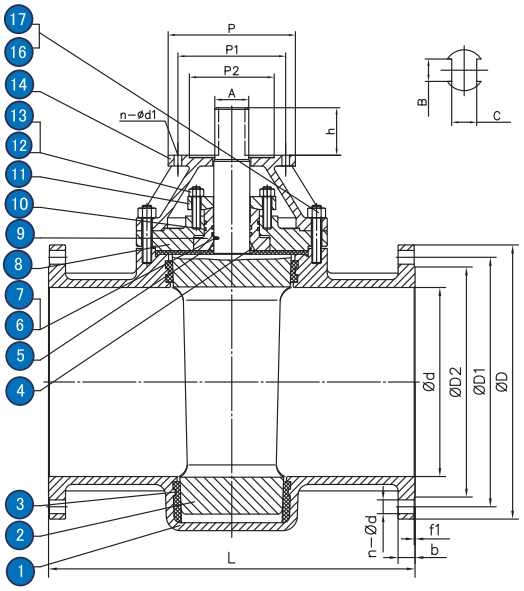
- Basic design and manufacture to API 599
- Face to face acc. to EN 558
- Flange end dimension to EN 1092-1
- Pressure Test to EN 12266-1
- Conformity to Directive 2014/68/EU

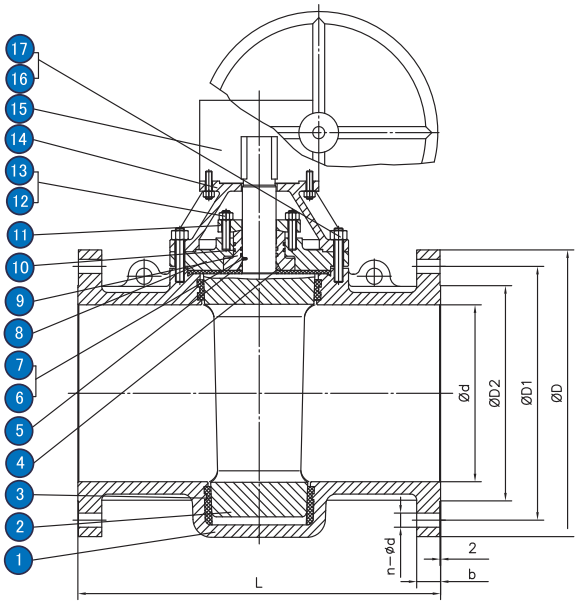
» Also available

- Inverted Lubricated Plug Valve
- Jacketed Sleeved Plug Valve

» Temperature Range

-10°C to 180°C (-14°F to 350°F)





Material List

No.	PARTS NAME	MATERIALS
1	Body	1.0619/1.4308/1.4408
2	Plug	1.4308/1.4408
3	Liner	PTFE
4	Wedge Gasket	PTFE
5	Gasket	PTFE
6	Small ball	S.S
7	Small spring	S.S
8	Bonnet	1.0619/1.4308/1.4408
9	Gland	A182 F6A/F304/F316
10	O-Ring	Viton
11	Gland Flange	1.0619/1.4308/1.4408
12	Gland Bolt	A193 B7/B8
13	Gland Nut	A194 2H/8
14	Yoke	Corbon Steel
15	Gear Operator	Corbon Steel
16	Bonnet Bolt	A193 B7/B8
17	Bonnet Nut	A194 2H/8

Dimensions (mm)

Size		Bare Stem										Main Dimensions						
IN	DN	h	A	B	C	P	P1	P2	n-Ød1	ISO	Torque N.m	d	D	D1	D2	L	b-f1	n-Ød
18"	450	110	80	22	62	300	254	200	8-Ø18	F25	8640	438	640	585	550	650	40-4	20-Ø30

Note: Torque calculated at maximum pressure differential, safety factor is not included.

PLUG VALVE

Sleeved Plug Valve
PN16, DN500~DN600

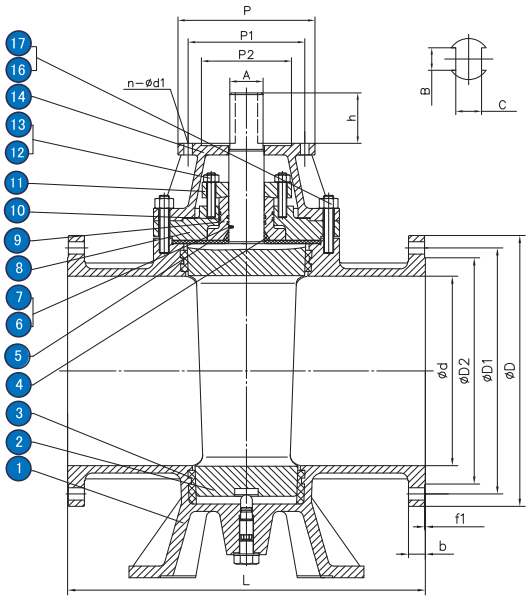
MODEL: KPD-PVF

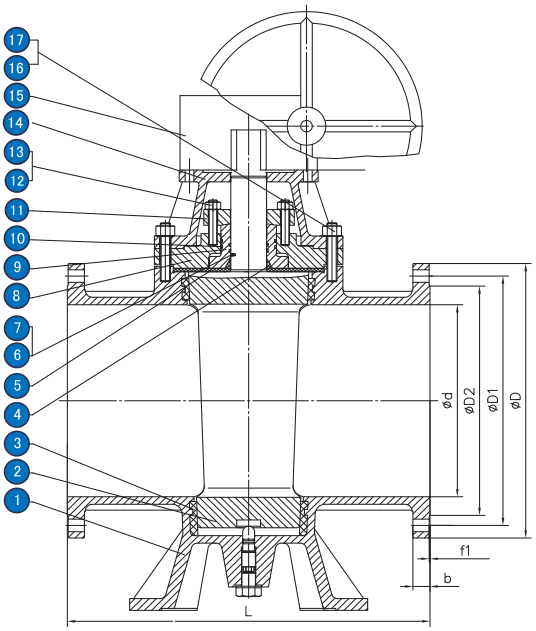
» Features
- Bi-directional bubble-tight seal independent of line pressure.
- Self-lubricating with little to no maintenance.
- PTFE sleeve retained by special 360^0 metal lip around the ports.
- Free of cavity to entrap flow media.
- In-line seal adjustable independent of shaft seal, even when mounted with actuator.
- Suitable for use in petrochemical, chemical, mining industries.
- Manual operation as standard, with ISO 5211 bracket for actuator mounting.
- Available in flanged, butt-welding, and socket-welding connections.
- Size range from DN 15~DN600.

» Standards
- Basic design and manufacture to API 599
- Face to face acc. to EN 558
- Flange end dimension to EN 1092-1
- Pressure Test to EN 12266-1
- Conformity to Directive 2014/68/EU

» Also available
- Inverted Lubricated Plug Valve
- Jacketed Sleeved Plug Valve

» Temperature Range
-10°C to 180°C (-14°F to 350°F)





Material List

No.	PARTS NAME	MATERIALS
1	Body	1.0619/1.4308/1.4408
2	Plug	1.4308/1.4408
3	Liner	PTFE
4	Wedge Gasket	PTFE
5	Gasket	PTFE
6	Small ball	S.S
7	Small spring	S.S
8	Bonnet	1.0619/1.4308/1.4408
9	Gland	A182 F6A/F304/F316
10	O-Ring	Viton
11	Gland Flange	1.0619/1.4308/1.4408
12	Gland Bolt	A193 B7/B8
13	Gland Nut	A194 2H/8
14	Yoke	Corbon Steel
15	Gear Operator	Corbon Steel
16	Bonnet Bolt	A193 B7/B8
17	Bonnet Nut	A194 2H/8

Dimensions (mm)

Size		Bare Stem										Main Dimensions						
IN	DN	h	A	B	C	P	P1	P2	n-Ød1	ISO	Torque N.m	d	D	D1	D2	L	b	n-Ød
20"	500	130	85	22	67	350	298	230	8-Ø22	F30	10800	489	715	650	610	700	44-4	20-Ø30
24"	600	130	100	28	80	350	298	230	8-Ø22	F30	16000	591	840	770	725	800	54-5	20-Ø36

Note: Torque calculated at maximum pressure differential, safety factor is not included.

PLUG VALVE

Sleeved Plug Valve
PN40, DN15~DN100

MODEL: KPD-PVF

» Features

- Bi-directional bubble-tight seal independent of line pressure.
- Self-lubricating with little to no maintenance.
- PTFE sleeve retained by special 360^0 metal lip around the ports.
- Free of cavity to entrap flow media.
- In-line seal adjustable independent of shaft seal, even when mounted with actuator.
- Suitable for use in petrochemical, chemical, mining industries.
- Manual operation as standard, with ISO 5211 bracket for actuator mounting.
- Available in flanged, butt-welding, and socket-welding connections.
- Size range from DN 15~DN600.

» Standards

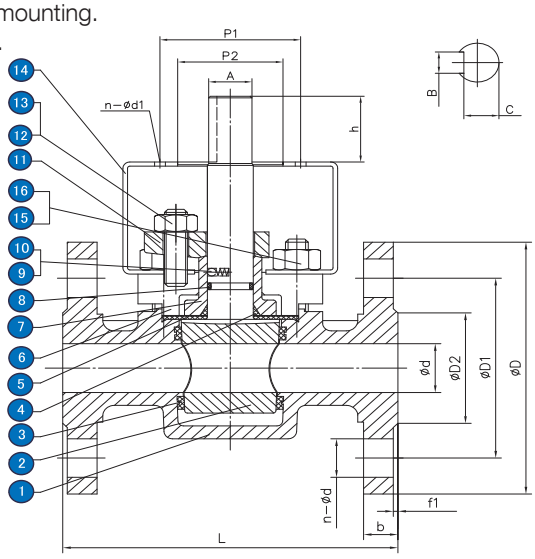
- Basic design and manufacture to API 599
- Face to face acc. to EN 558
- Flange end dimension to EN 1092-1
- Pressure Test to EN 12266-1
- Conformity to Directive 2014/68/EU

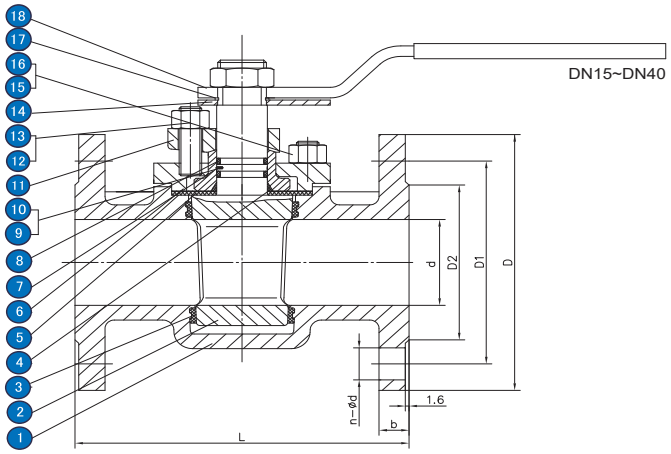
» Also available

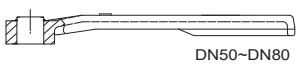
- Inverted Lubricated Plug Valve
- Jacketed Sleeved Plug Valve

» Temperature Range

-10°C to 180°C (-14°F to 350°F)









Material List

No.	PARTS NAME	MATERIALS
1	Body	1.0619/1.4308/1.4408
2	Plug	1.4308/1.4408
3	Liner	PTFE
4	Wedge Gasket	PTFE
5	Gasket	PTFE
6	Bonnet	1.0619/1.4308/1.4408
7	Gland	A182 F6A/F304/F316
8	O-Ring	Viton
9	Small ball	S.S
10	Small spring	S.S
11	Gland Flange	1.0619/1.4308/1.4408
12	Gland bolt	A193 B7/B8
13	Gland Nut	A194 2H/8
14	Yoke	Corbon Steel
15	Bonnet bolt	A193 B7/B8
16	Bonnet Nut	A194 2H/8
17	Spring ring	Corbon Steel/C.S./S.S.
18	Lever/Gear	Corbon Steel

Dimensions (mm)

Size		Bare Stem									Main Dimensions						
IN	DN	h	A	B	C	P1	P2	n-Ød1	ISO	Torque N.m	d	D	D1	D2	L	b-f1	n-Ød
1/2"	15	30	12	4	9.5	50	35	4-Ø8	F05	34	13	95	65	45	130	16-2	4-Ø14
3/4"	20	30	12	4	9.5	50	35	4-Ø8	F05	38	19	105	75	58	150	18-2	4-Ø14
1"	25	30	14	5	11	50	35	4-Ø8	F05	57	25	115	85	68	160	18-2	4-Ø14
1¼"	32	35	21	6	17.5	70	55	4-Ø9	F07	76	32	140	100	78	180	18-2	4-Ø18
1½"	40	35	21	6	17.5	70	55	4-Ø9	F07	86	38	150	110	88	200	18-3	4-Ø18
2"	50	35	26	8	22	70	55	4-Ø9	F07	114	51	165	125	102	230	20-3	4-Ø18
2½"	65	35	26	8	22	70	55	4-Ø9	F07	143	51	185	145	122	290	22-3	8-Ø18
3"	80	45	32	10	27	102	70	4-Ø11	F10	209	76	200	160	138	310	24-3	8-Ø18
4"	100	55	35	10	30	125	85	4-Ø14	F12	428	102	235	190	162	350	24-3	8-Ø22

Note: Torque calculated at maximum pressure diff erential, safety factor is not included.

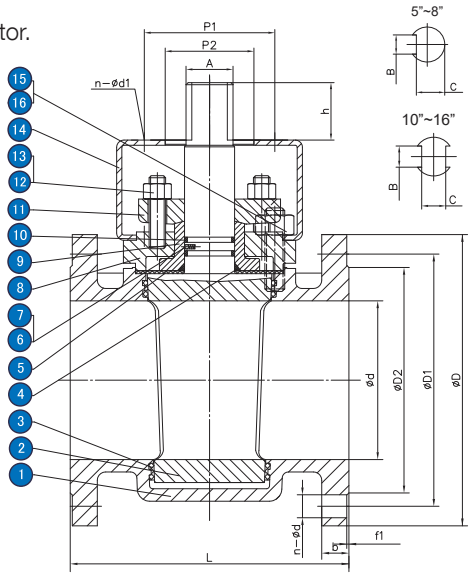
PLUG VALVE

Sleeved Plug Valve
PN40, DN125~DN400

MODEL: KPD-PVF

» Features

- Bi-directional bubble-tight seal independent of line pressure.
- Self-lubricating with little to no maintenance.
- PTFE sleeve retained by special 360^0 metal lip around the ports.
- Free of cavity to entrap flow media.
- In-line seal adjustable independent of shaft seal, even when mounted with actuator.
- Suitable for use in petrochemical, chemical, mining industries.
- Manual operation as standard, with ISO 5211 bracket for actuator mounting.
- Available in flanged, butt-welding, and socket-welding connections.
- Size range from DN 15~DN600.



» Standards

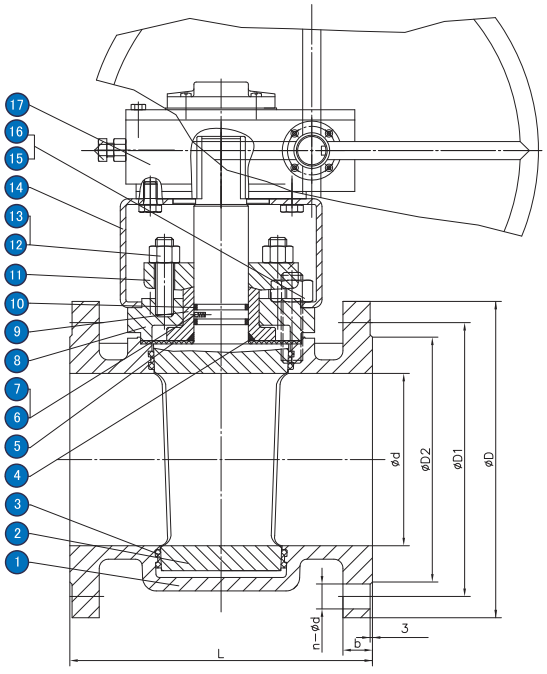
- Basic design and manufacture to API 599
- Face to face acc. to EN 558
- Flange end dimension to EN 1092-1
- Pressure Test to EN 12266-1
- Conformity to Directive 2014/68/EU

» Also available

- Inverted Lubricated Plug Valve
- Jacketed Sleeved Plug Valve

» Temperature Range

-10°C to 180°C (-14°F to 350°F)



Material List

No.	PARTS NAME	MATERIALS
1	Body	1.0619/1.4308/1.4408
2	Plug	1.4308/1.4308/1.4408
3	Liner	PTFE
4	Wedge Gasket	PTFE
5	Gasket	PTFE
6	Small ball	S.S
7	Small spring	S.S
8	Bonnet	1.0619/1.4308/1.4408
9	Gland	A182 F6A/F304/F316
10	O-Ring	Viton
11	Gland Flange	1.0619/1.4308/1.4408
12	Gland bolt	A193 B7/B8/B8
13	Gland Nut	A194 2H/8/8
14	Yoke	Corbon Steel
15	Bonnet bolt	A193 B7/B8/B8
16	Bonnet Nut	A194 2H/8/8
17	Gear	Corbon Steel

Dimensions (mm)

Size		Bare Stem									Main Dimensions						
IN	DN	h	A	B	C	P1	P2	n-Ød1	ISO	Torque N.m	d	D	D1	D2	L	b-f1	n-Ød
5"	125	55	45	14	39.5	125	85	4-Ø14	F12	880	127	270	220	188	325	26-3	8-Ø26
6"	150	55	45	14	39.5	125	85	4-Ø14	F12	1140	152	300	250	218	350	28-3	8-Ø26
8"	200	65	50	14	44.5	140	100	4-Ø18	F14	1900	203	375	320	285	400	34-3	12-Ø30
10"	250	80	60	18	46	165	130	4-Ø22	F16	2850	254	405	385	345	450	38-3	12-Ø33
12'	300	110	65	18	51	254	200	8-Ø18	F25	5890	305	515	450	410	500	42-4	16-Ø33
14"	350	130	80	22	62	298	230	8-Ø22	F30	8075	337	580	510	465	550	46-4	16-Ø36
16"	400	130	90	25	72	298	230	8-Ø22	F30	10450	387	660	585	535	600	50-4	16-Ø39

Note: Torque calculated at maximum pressure diff erential, safety factor is not included.

PLUG VALVE

Sleeved Plug Valve
PN40, DN450

MODEL: KPD-PVF

» Features

- Bi-directional bubble-tight seal independent of line pressure.
- Self-lubricating with little to no maintenance.
- PTFE sleeve retained by special 360^0 metal lip around the ports.
- Free of cavity to entrap flow media.
- In-line seal adjustable independent of shaft seal, even when mounted with actuator.
- Suitable for use in petrochemical, chemical, mining industries.
- Manual operation as standard, with ISO 5211 bracket for actuator mounting.
- Available in flanged, butt-welding, and socket-welding connections.
- Size range from DN 15~DN600.

» Standards

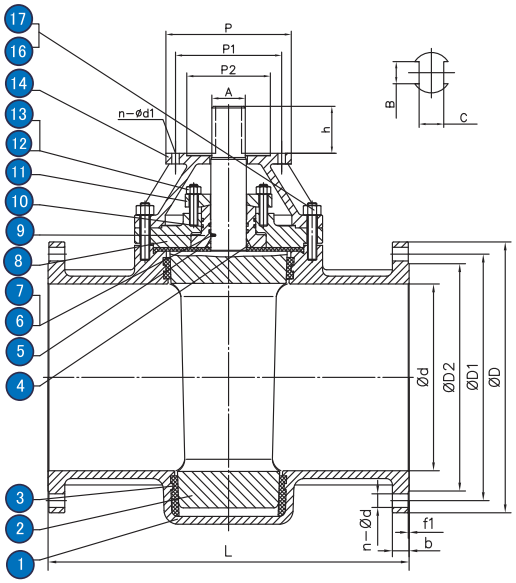
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- Flange end dimension to EN 1092-1
- Pressure Test to EN 12266-1
- Conformity to Directive 2014/68/EU

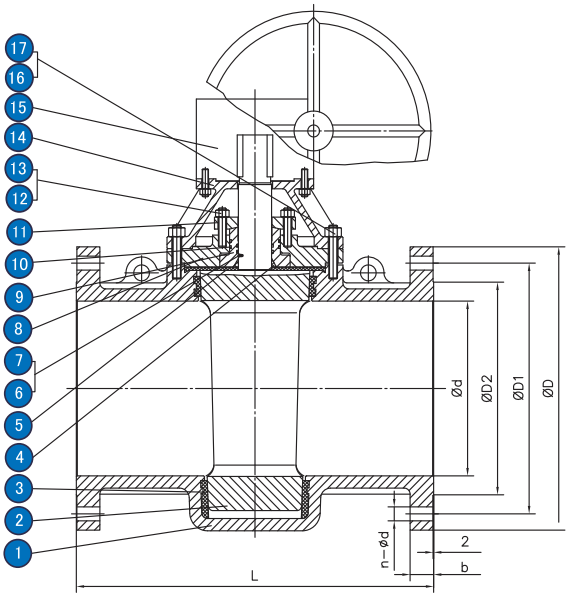
» Also available

- Inverted Lubricated Plug Valve
- Jacketed Sleeved Plug Valve

» Temperature Range

-10°C to 180°C (-14°F to 350°F)





Material List

No.	PARTS NAME	MATERIALS
1	Body	1.0619/1.4308/1.4408
2	Plug	1.4308/1.4408
3	Liner	PTFE
4	Wedge Gasket	PTFE
5	Gasket	PTFE
6	Small ball	S.S
7	Small spring	S.S
8	Bonnet	1.0619/1.4308/1.4408
9	Gland	A182 F6A/F304/F316
10	O-Ring	Viton
11	Gland Flange	1.0619/1.4308/1.4408
12	Gland Bolt	A193 B7/B8
13	Gland Nut	A194 2H/8
14	Yoke	Corbon Steel
15	Gear Operator	Corbon Steel
16	Bonnet Bolt	A193 B7/B8
17	Bonnet Nut	A194 2H/8

Dimensions (mm)

Size		Bare Stem										Main Dimensions						
IN	DN	h	A	B	C	P	P1	P2	n-Ød1	ISO	Torque N.m	d	D	D1	D2	L	b-f1	n-Ød
18"	450	130	100	28	80	350	298	230	8-Ø22	F30	16910	438	685	610	560	650	57-4	20-Ø39

Note: Torque calculated at maximum pressure differential, safety factor is not included.

PLUG VALVE

Sleeved Plug Valve
PN40, DN500~DN600

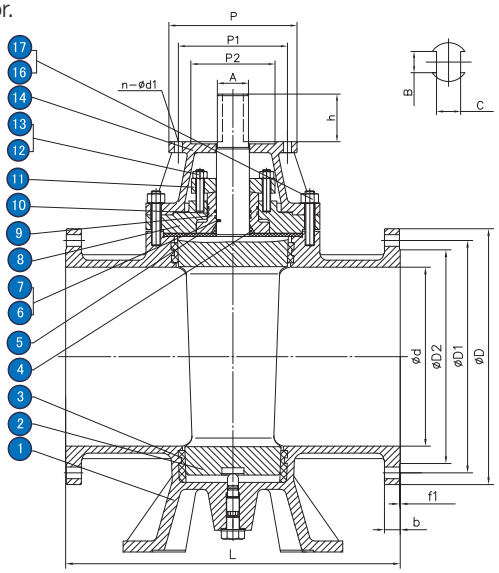
MODEL: KPD-PVF

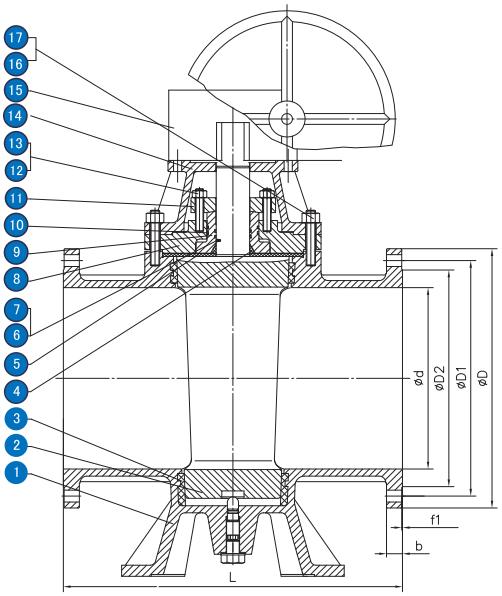
» Features
- Bi-directional bubble-tight seal independent of line pressure.
- Self-lubricating with little to no maintenance.
- PTFE sleeve retained by special 360^0 metal lip around the ports.
- Free of cavity to entrap flow media.
- In-line seal adjustable independent of shaft seal, even when mounted with actuator.
- Suitable for use in petrochemical, chemical, mining industries.
- Manual operation as standard, with ISO 5211 bracket for actuator mounting.
- Available in flanged, butt-welding, and socket-welding connections.
- Size range from DN 15~DN600.

» Standards
- Basic design and manufacture to API 599
- Face to face acc. to EN 558
- Flange end dimension to EN 1092-1
- Pressure Test to EN 12266-1
- Conformity to Directive 2014/68/EU

» Also available
- Inverted Lubricated Plug Valve
- Jacketed Sleeved Plug Valve

» Temperature Range
-10°C to 180°C (-14°F to 350°F)





Material List

No.	PARTS NAME	MATERIALS
1	Body	1.0619/1.4308/1.4408
2	Plug	1.4308/1.4408
3	Liner	PTFE
4	Wedge Gasket	PTFE
5	Gasket	PTFE
6	Small ball	S.S
7	Small spring	S.S
8	Bonnet	1.0619/1.4308/1.4408
9	Gland	A182 F6A/F304/F316
10	O-Ring	Viton
11	Gland Flange	1.0619/1.4308/1.4408
12	Gland Bolt	A193 B7/B8
13	Gland Nut	A194 2H/8
14	Yoke	Corbon Steel
15	Gear Operator	Corbon Steel
16	Bonnet Bolt	A193 B7/B8
17	Bonnet Nut	A194 2H/8

Dimensions (mm)

Size		Bare Stem										Main Dimensions						
IN	DN	h	A	B	C	P	P1	P2	n-Ød1	ISO	Torque N.m	d	D	D1	D2	L	b	n-Ød
20"	500	180	110	28	90	415	356	260	8-Ø33	F35	21000	489	755	670	615	700	57-4	20-Ø42
24"	600	180	130	32	108	415	356	260	8-Ø33	F35	30000	591	890	795	735	800	72-5	20-Ø48

Note: Torque calculated at maximum pressure diff erential, safety factor is not included.

All information is based on years of experience in production and operation of sealing elements. However, in view of the wide variety of possible installation and operating conditions one cannot draw final conclusions in all application cases regarding the behaviour in gasket joint. The data may not, therefore, be used to support any warranty claims. This edition cancels all previous issues. Subject to change without notice.

Certified acc. to DIN EN ISO 9001:2015 Subject to technical alterations.
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