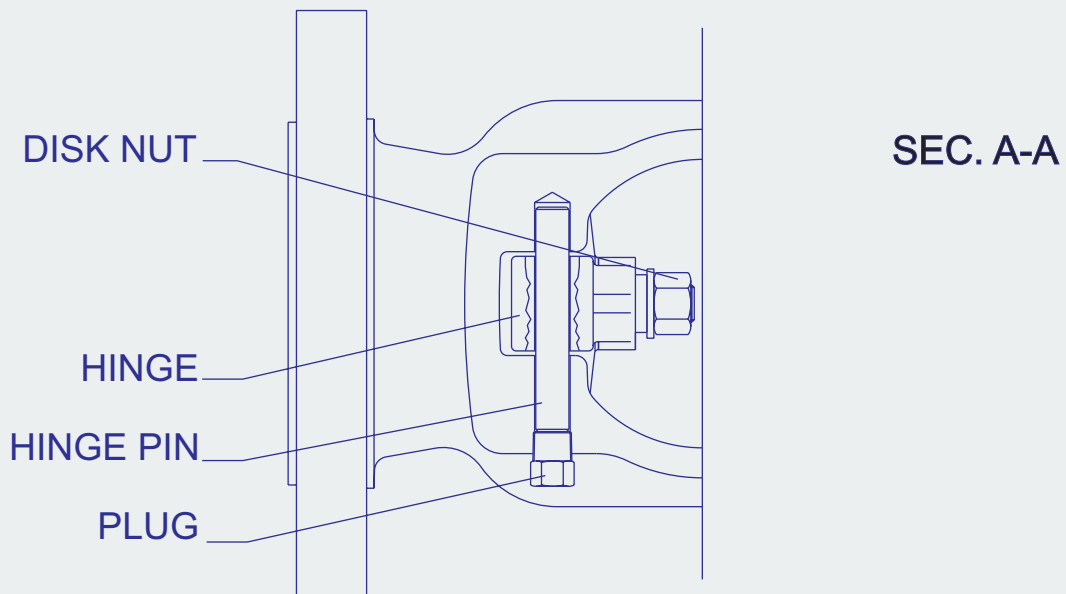
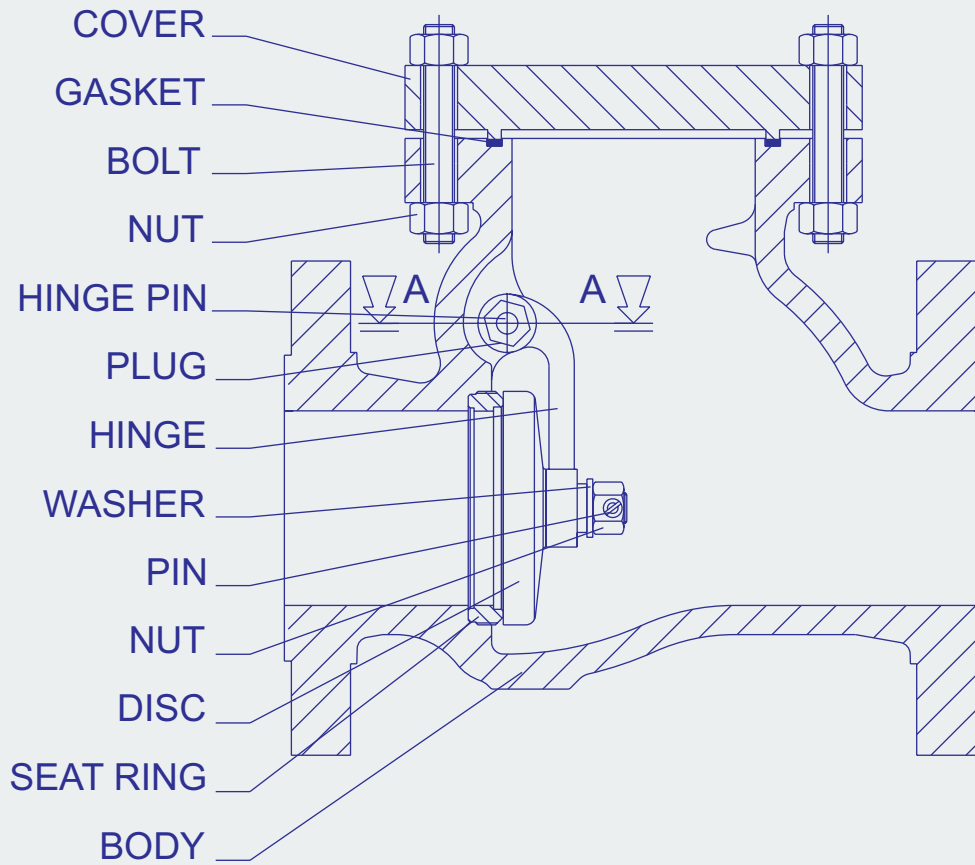
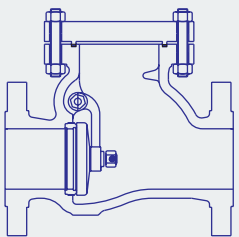
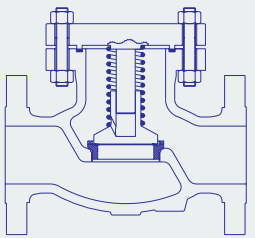
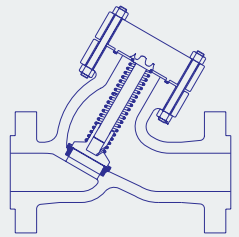
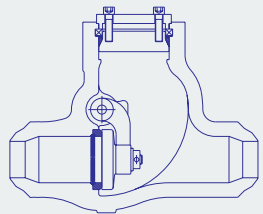
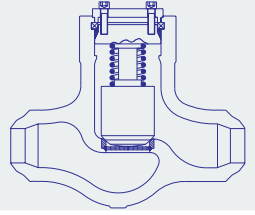
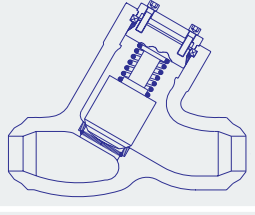
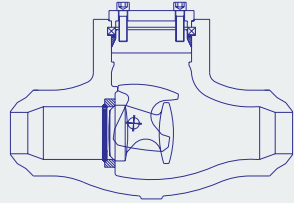
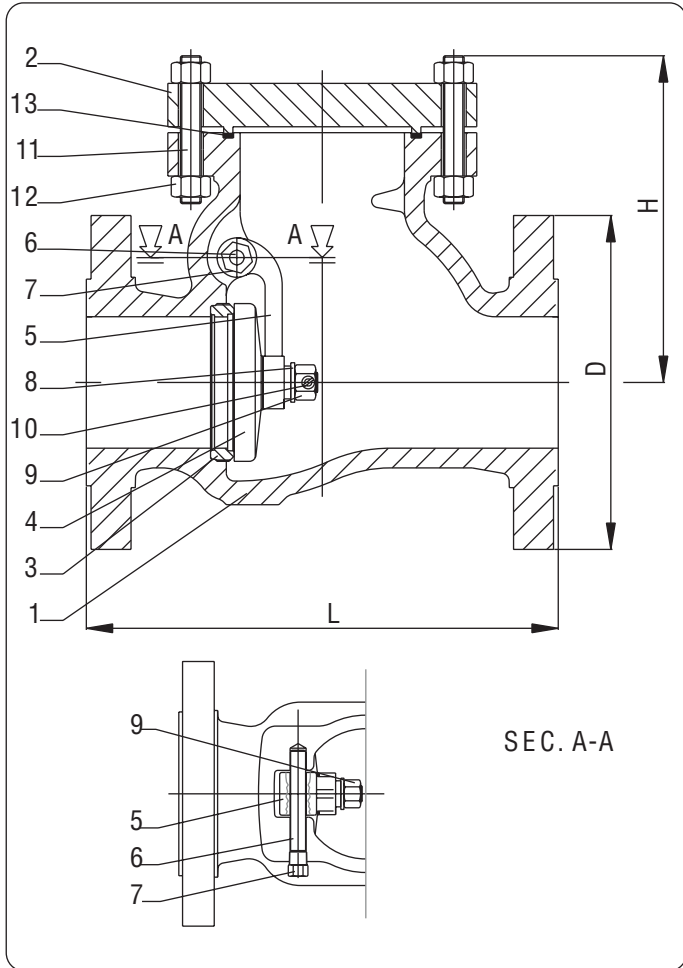


## DESCRIPTION OF A TYPICAL SWING CHECK VALVE



	<b>TYPE</b>	<b>CLASS</b>	<b>SIZES</b>	<b>FIG. N.</b>
	SWING CHECK VALVES	150	2" - 48"	<b>470</b>
		300	2" - 48"	<b>471</b>
	REGULAR TYPE OR FULL OPENING	600	2" - 40"	<b>472</b>
		900	2" - 24"	<b>473</b>
		1500	2" - 24"	<b>474</b>
		2500	2" - 12"	<b>475</b>
	<b>page 38</b>			
	PISTON CHECK VALVES	150	2" - 16"	<b>460PC</b>
		300	2" - 16"	<b>461PC</b>
		600	2" - 12"	<b>462PC</b>
		900	2" - 12"	<b>463PC</b>
		1500	2" - 12"	<b>464PC</b>
	<b>page 40</b>			
	PISTON CHECK VALVES 'Y' TYPE	150	2" - 24"	<b>490PC</b>
		300	2" - 24"	<b>491PC</b>
		600	2" - 24"	<b>492PC</b>
		900	2" - 16"	<b>493PC</b>
		1500	2" - 16"	<b>494PC</b>
		2500	2" - 12"	<b>495PC</b>
	<b>page 42</b>			
	SWING CHECK VALVES PRESSURE SEAL	600	2" - 24"	<b>P72</b>
		900	2" - 24"	<b>P73</b>
		1500	2" - 24"	<b>P74</b>
		2500	2" - 12"	<b>P75</b>
	<b>page 44</b>			
	LIFT CHECK VALVES PRESSURE SEAL 'STRAIGHT'	600	2" - 16"	<b>P62PC</b>
		900	2" - 16"	<b>P63PC</b>
		1500	2" - 12"	<b>P64PC</b>
		2500	2" - 12"	<b>P65PC</b>
	<b>page 46</b>			
	LIFT CHECK VALVES PRESSURE SEAL 'Y' PATTERN	600	2" - 16"	<b>P82PC</b>
		900	2" - 16"	<b>P83PC</b>
		1500	2" - 12"	<b>P84PC</b>
		2500	2" - 12"	<b>P85PC</b>
	<b>page 48</b>			
	TILTING DISC CHECK VALVES PRESSURE SEAL	600	2" - 24"	<b>P72T</b>
		900	2" - 24"	<b>P73T</b>
		1500	2" - 24"	<b>P74T</b>
		2500	2" - 12"	<b>P75T</b>
	<b>page 50</b>			



*standard features*

- **Description** REGULAR TYPE OR FULL OPENING  
BOLTED COVER  
LAPPED DISC AND SEAT  
WALL THICKNESS TO API 600  
RENEWABLE SEAT
- **Design** BS 1868  
API 6D  
ASME B16.34
- **Face to face** ASME B16.10
- **Flanges** ASME B16.5 FOR 2" TO 24"  
ASME B16.47 FOR 26"  
BW ENDS TO ASME B16.25
- **Testing** API 598  
API 6D  
BS 6755
- **Rating** ASME B16.34
- **Marking** MSS-SP 25  
CE - PED
- **Certificates** EN 10204 - 3.1 B

PART NAME	W47x	L47x	M47x	C47x	B47x	E47x	D47x	F47x	H47x
<b>1 Body</b>	W CB	LCB	WC 6	C 5	C 12	CF 8	CF 8C	CF 8M	CF 3M
<b>2 Cover</b>	W CB	LCB	WC 6	C 5	C 12	CF 8	CF 8C	CF 8M	CF 3M
<b>3 Seat ring surface</b>	F6A (1)	F6A (1)	F6A (1)	F6A (1)	F6A (1)	F304 (1)	F321 (1)	F316 (1)	F316L (1)
<b>4 Disc seat surface</b>	F6A (2)	F6A (2)	F6A (2)	F6A (2)	F6A (2)	F304 (2)	F321 (2)	F316 (2)	F316L (2)
<b>5 Hinge</b>	A105 (3)	LF2 (3)	F316 (3)	F316 (3)	F316 (3)	F304 (3)	F321 (3)	F316 (3)	F316L (3)
<b>6 Hinge pin</b>	F6A	F6A	F6A	F6A	F6A	F316L	F321	F316	F316L
<b>7 Plug</b>	A105	F316	F316	F316	F316	F316	F316	F316	F316L
<b>8 Washer</b>	A105	F316	F316	F316	F316	F316	F316	F316	F316
<b>9 Nuts</b>	2H	G4	G4	G4	G4	G8	G8	G8	G8
<b>10 Pin</b>			←		F316		→		
<b>11 Bolts</b>	B7	L7	B16	B16	B16	B8	B8	B8	B8
<b>12 Nuts</b>	2H	G4	G4	G4	G4	G8	G8	G8	G8
<b>13 Gasket</b>	ANSI 150-300-600-900-1500: S.S. spiral wound reinf. graphite / RTJ - ANSI 2500: RTJ (4)								

(1) On request: faced with Stellite® - Monel® - Hastelloy® - other materials  
 (2) On request: faced with Stellite® - Monel® - Hastelloy® - other materials  
 (3) On request: 17 Cr - Monel® - Hastelloy® - other materials

(4) On request: PTFE - other materials

All data, subject to technical changes, are only for information and not for official use.

# SWING CHECK VALVES

## ASME 150 - 300 - 600 - 900 - 1500 - 2500

**VALVOSIDER**  
MANUFACTURER OF VALVES

**FIG. N. 470 - SWING CHECK VALVES ANSI 150**

SIZE	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"	30"	32"	34"	36"	40"	42"	48"
L RF/BW	203	216	241	292	330	356	495	622	699	787	864	978	978	1295	1448	1524	---	---	1956	---	---	---
L RTJ	216	229	254	305	343	368	508	635	711	800	876	991	991	1308	---	---	---	---	---	---	---	---
D	152	178	191	229	254	279	343	406	483	533	597	635	699	813	927	984	1060	1111	1168	1289	1346	1511
H	150	180	195	220	230	270	330	350	400	440	490	550	620	740	800	840	900	960	1040	1150	1280	1350

**FIG. N. 471 - SWING CHECK VALVES ANSI 300**

SIZE	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"	30"	32"	34"	36"	40"	42"	48"
L RF/BW	267	292	318	356	400	445	533	622	711	838	864	978	1016	1346	1499	1594	---	---	2083	---	---	---
L RTJ	282	308	333	371	416	460	549	638	727	854	879	994	1035	1369	1524	1619	---	---	2111	---	---	---
D	165	191	210	254	279	318	381	445	521	584	648	711	775	914	1035	1092	1149	1207	1270	1238	1289	1467
H	150	180	200	225	270	300	355	390	445	495	530	610	660	750	---	---	---	---	---	---	---	---

**FIG. N. 472 - SWING CHECK VALVES ANSI 600**

SIZE	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"	30"	32"	34"	36"	40"	42"	48"
L RF/BW	292	330	356	432	508	559	660	787	838	889	991	1092	1194	1397	1549	1651	---	---	2083	---	---	---
L RTJ	295	333	359	435	511	562	663	790	841	892	994	1095	1200	1407	1560	1664	---	---	2099	---	---	---
D	165	191	210	273	330	356	419	508	559	603	686	743	813	940	1073	1130	1194	1245	1315	1321	---	---
H	194	211	230	292	306	368	408	468	516	564	666	740	838	---	---	---	---	---	---	---	---	---

**FIG. N. 473 - SWING CHECK VALVES ANSI 900**

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"
L RF/BW	368	381	457	610	737	838	965	1029	1130	1219	1321	1549	---
L RTJ	371	384	460	613	740	842	968	1038	1140	1232	1334	1568	---
D	216	241	292	381	470	546	610	641	705	787	857	1041	---
H	263	265	326	352	409	536	600	700	762	822	885	1000	---

**FIG. N. 474 - SWING CHECK VALVES ANSI 1500**

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"
L RF/BW	368	470	546	705	832	991	1130	1257	1384	1537	1664	1943	---
L RTJ	371	473	549	711	842	1000	1146	1276	1407	1559	1686	1972	---
D	216	267	311	394	483	584	673	749	826	914	984	1168	---
H	263	304	423	506	716	762	818	---	---	---	---	---	---

**FIG. N. 475 - SWING CHECK VALVES ANSI 2500**

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	28"
L RF/BW	451	578	673	914	1022	1270	1422	---	---	---	---	---	---
L RTJ	454	584	683	927	1038	1292	1445	---	---	---	---	---	---
D	235	305	356	483	552	673	762	---	---	---	---	---	---
H	---	---	---	---	---	---	---	---	---	---	---	---	---

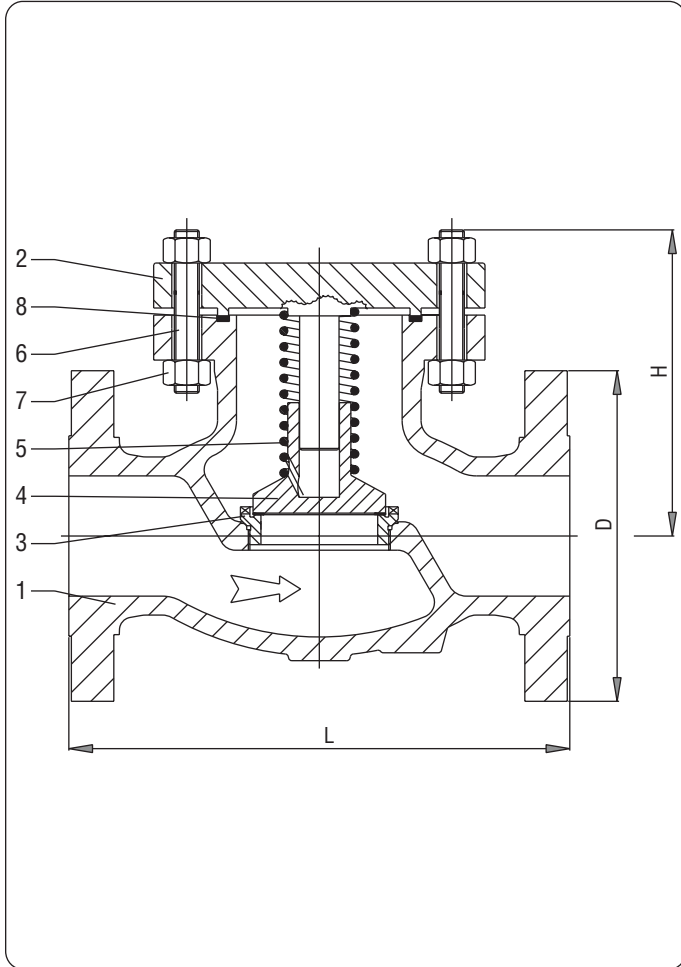
*features on request*

- DISC WITH PTFE OR RUBBER
- LEVER AND WEIGHT
- SHOCK ABSORBER
- LOCKING DEVICE
- INTEGRAL SEAT
- DRAIN PLUG
- BY PASS
- BW ENDS
- RTJ FLANGES
- DIN CONNECTIONS

All dimensions in mm (except where differently indicated)

All data, subject to technical changes, are only for information and not for official use.

VALVOSIDER s.r.l. - Via S. Rocco, 2 - P.O. BOX 76 - 13011 Borgosesia (VC) - Italy  
Phone: +39016322991 - Fax: +39016321537 - www.valvosider.com - e-mail: valvo@valvosider.com



*standard features*

- **Description** BOLTED COVER  
RETURN SPRING  
WALL THICKNESS TO API 600  
RENEWABLE SEAT
- **Design** BS 1873  
API 600  
ASME B16.34
- **Face to face** ASME B16.10
- **Flanges** ASME B16.5  
BW ENDS TO ASME B16.25
- **Testing** API 598  
API 6D  
BS 6755
- **Rating** ASME B16.34
- **Marking** MSS-SP 25  
CE - PED
- **Certificates** EN 10204 – 3.1 B

PART NAME	W46xPC	L46xPC	M46xPC	C46xPC	B46xPC	E46xPC	D46xPC	F46xPC	H46xPC
<b>1 Body</b>	WCB	LCB	WC6	C5	C12	CF8	CF8C	CF8M	CF3M
<b>2 Cover</b>	WCB	LCB	WC6	C5	C12	CF8	CF8C	CF8M	CF3M
<b>3 Seat ring surface</b>	F6A (1)	F6A (1)	F6A (1)	F6A (1)	F6A (1)	F304 (1)	F321 (1)	F316 (1)	F316L (1)
<b>4 Disc seat surface</b>	F6A (2)	F6A (2)	F6A (2)	F6A (2)	F6A (2)	F304 (2)	F321 (2)	F316 (2)	F316L (2)
<b>5 Spring</b>			← F316 →						
<b>6 Bolts</b>	B7	L7	B16	B16	B16	B8	B8	B8	B8
<b>7 Nuts</b>	2H	G4	G4	G4	G4	G8	G8	G8	G8
<b>8 Gasket</b>			← S.S. spiral wound reinf. graphite / RTJ (3) →						

(1) On request: faced with Stellite® - Monel® - Hastelloy® - other materials  
 (2) On request: faced with Stellite® - Monel® - Hastelloy® - other materials  
 (3) On request: PTFE - other materials

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# PISTON CHECK VALVES

## ASME 150 - 300 - 600 - 900 - 1500

**VALVOSIDER**  
MANUFACTURER OF VALVES

### FIG. N. 460PC - PISTON CHECK VALVES ASME CLASS 150

SIZE	2"	2 $\frac{1}{2}$ "	3	4	5	6	8	10	12	14	16	---	---	---	---
L RF/BW	203	216	241	292	356	406	495	622	699	787	914	---	---	---	---
L RTJ	216	219	254	305	368	419	508	635	711	800	927	---	---	---	---
D	152	178	191	229	254	279	343	406	483	533	597	---	---	---	---
H	155	180	185	195	215	250	295	330	380	420	500	---	---	---	---

### FIG. N. 461PC - PISTON CHECK VALVES ASME CLASS 300

SIZE	2"	2 $\frac{1}{2}$ "	3	4	5	6	8	10	12	14	16	---	---	---	---
L RF/BW	267	292	318	356	400	445	559	622	711	838	864	---	---	---	---
L RTJ	282	308	333	371	416	460	575	638	727	854	879	---	---	---	---
D	165	191	210	254	279	318	381	445	521	584	648	---	---	---	---
H	155	180	195	220	255	285	335	350	430	495	500	---	---	---	---

### FIG. N. 462PC - PISTON CHECK VALVES ASME CL. 600

SIZE	2"	2 $\frac{1}{2}$ "	3	4	5	6	8	10	12
L RF/BW	292	330	356	432	508	559	660	787	838
L RTJ	295	333	359	435	511	562	663	790	841
D	165	191	210	273	330	356	419	508	559
H	155	180	195	220	306	320	380	480	505

### FIG. N. 463PC - PISTON CHECK VALVES ASME CL. 900

SIZE	2"	2 $\frac{1}{2}$ "	3	4	5	6	8	10	12
L RF/BW	368	419	381	457	559	610	737	838	965
L RTJ	371	422	384	460	562	613	740	842	968
D	216	244	241	292	349	381	470	546	610
H	220	230	240	280	330	365	409	536	600

### FIG. N. 464PC - PISTON CHECK VALVES ASME CL.1500

SIZE	2"	2 $\frac{1}{2}$ "	3	4	5	6	8	10	12
L RF/BW	368	419	470	546	673	705	832	991	1130
L RTJ	371	422	473	549	676	711	842	1000	1146
D	216	244	267	311	375	394	483	584	673
H	220	230	280	325	400	430	716	762	818

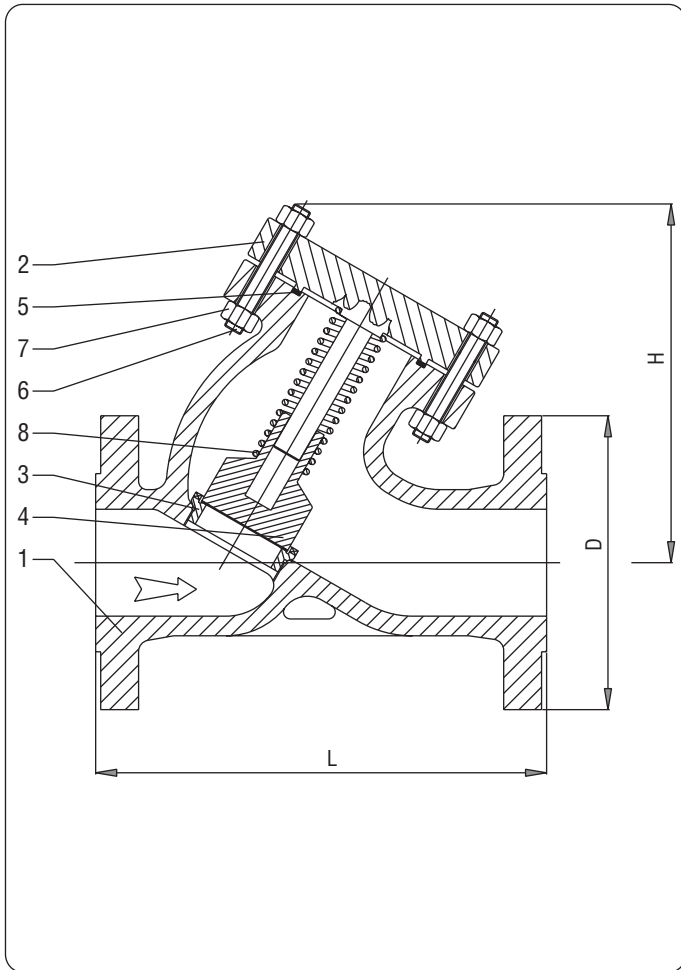
*features on request*

- DISC WITH PTFE OR RUBBER
- INTEGRAL SEAT
- DRAIN PLUG
- BY PASS
- BW ENDS
- RTJ FLANGES
- DIN CONNECTIONS

All dimensions in mm (except where differently indicated)

All data, subject to technical changes, are only for information and not for official use.

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Phone: +39016322991 - Fax: +39016321537 - www.valvosider.com - e-mail: valvo@valvosider.com



*standard features*

- **Description** BOLTED COVER  
RETURN SPRING  
WALL THICKNESS TO API 600  
RENEWABLE SEAT
- **Design** BS 1873  
API 600  
ASME B16.34
- **Face to face** ASME B16.10
- **Flanges** ASME B16.5  
BW ENDS TO ASME B16.25
- **Testing** API 598  
API 6D  
BS 6755
- **Rating** ASME B16.34
- **Marking** MSS-SP 25  
CE - PED
- **Certificates** EN 10204 - 3.1 B

PART NAME	W49xPC	L49xPC	M49xPC	C49xPC	B49xPC	E49xPC	D49xPC	F49xPC	H49xPC
<b>1 Body</b>	W C B	LC B	W C 6	C 5	C 12	CF 8	CF 8 C	CF 8 M	CF 3 M
<b>2 Cover</b>	W C B	LC B	W C 6	C 5	C 12	CF 8	CF 8 C	CF 8 M	CF 3 M
<b>3 Seat ring surface</b>	F6A (1)	F6A (1)	F6A (1)	F6A (1)	F6A (1)	F304 (1)	F321 (1)	F316 (1)	F316L (1)
<b>4 Disc seat surface</b>	F6A (2)	F6A (2)	F6A (2)	F6A (2)	F6A (2)	F304 (2)	F321 (2)	F316 (2)	F316L (2)
<b>5 Spring</b>			← F316 →						
<b>6 Bolts</b>	B7	L7	B16	B16	B16	B8	B8	B8	B8
<b>7 Nuts</b>	2H	G4	G4	G4	G4	G8	G8	G8	G8
<b>8 Gasket</b>			← S.S. spiral wound reinf. graphite / RTJ (3) →						

(1) On request: faced with Stellite® - Monel® - Hastelloy® - other materials  
 (2) On request: faced with Stellite® - Monel® - Hastelloy® - other materials  
 (3) On request: PTFE - other materials

All data, subject to technical changes, are only for information and not for official use.

# PISTON CHECK VALVES - 'Y' TYPE ASME 150 - 300 - 600 - 900 - 1500 - 2500

**VALVOSIDER**  
MANUFACTURER OF VALVES

**FIG. N. 490PC - PISTON CHECK VALVES 'Y' TYPE ASME CLASS 150**

SIZE	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	---
L RF/BW	203	216	241	292	356	406	495	622	699	787	914	978	978	1295	---
L RTJ	216	219	254	305	368	419	508	635	711	800	927	991	991	1308	---
D	152	178	191	229	254	279	343	406	483	533	597	635	699	813	---
H	146	185	195	235	301	366	530	530	665	---	---	---	---	---	---

**FIG. N. 491PC - PISTON CHECK VALVES 'Y' TYPE ASME CLASS 300**

SIZE	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	---
L RF/BW	267	292	318	356	400	445	559	622	711	838	864	978	1016	1346	---
L RTJ	282	308	333	371	416	460	575	638	727	854	879	994	1035	1368	---
D	165	191	210	254	279	318	381	445	521	584	648	711	775	914	---
H	145	190	223	235	300	330	365	570	740	---	---	---	---	---	---

**FIG. N. 492PC - PISTON CHECK VALVES 'Y' TYPE ASME CLASS 600**

SIZE	2"	2½"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	---
L RF/BW	292	330	356	432	508	559	660	787	838	889	991	1092	1194	1397	---
L RTJ	295	333	359	435	511	562	663	790	841	892	994	1095	1200	1407	---
D	165	191	210	273	330	356	419	508	559	603	686	743	813	940	---
H	185	210	230	290	370	425	470	---	---	---	---	---	---	---	---

**FIG. N. 493PC - PISTON CHECK V. 'Y' TYPE ASME CL.900**

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"
L RF/BW	368	381	457	610	737	838	965	1029	1130
L RTJ	371	384	460	613	740	842	968	1038	1140
D	216	241	292	381	470	546	610	641	705
H	---	---	---	---	---	---	---	---	---

**FIG. N. 494PC - PISTON CHECK V. 'Y' TYPE ASME CL.1500**

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"
L RF/BW	368	470	546	705	832	991	1130	1257	1384
L RTJ	371	473	549	711	842	1000	1146	1276	1407
D	216	267	311	394	483	584	673	749	826
H	---	---	---	---	---	---	---	---	---

**FIG. N. 495PC - PISTON CHECK V. 'Y' TYPE ASME CL.2500**

SIZE	2"	3"	4"	6"	8"	10"	12"	---	---
L RF/BW	451	578	673	914	1022	1270	1422	---	---
L RTJ	454	584	683	927	1038	1292	1445	---	---
D	235	305	356	483	552	673	762	---	---
H	---	---	---	---	---	---	---	---	---

*features on request*

- DISC WITH PTFE OR RUBBER
- INTEGRAL SEAT
- DRAIN PLUG
- BY PASS
- BW ENDS
- RTJ FLANGES
- DIN CONNECTIONS

All dimensions in mm (except where differently indicated)

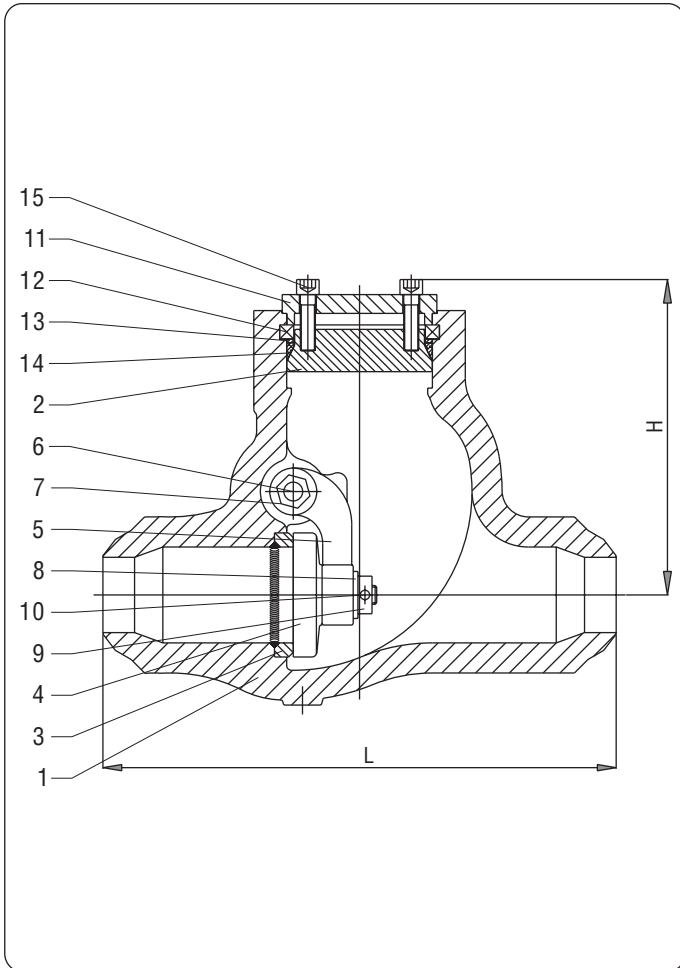
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VALVOSIDER s.r.l. - Via S. Rocco, 2 - P.O. BOX 76 - 13011 Borgosesia (VC) - Italy  
Phone: +39016322991 - Fax: +39016321537 - www.valvosider.com - e-mail: valvo@valvosider.com



*standard features*

- **Description** PRESSURE SEAL BONNET  
FULL BORE  
LAPPED DISC AND SEAT  
WELDED IN SEATS
- **Design** BS 1868  
API 6D
- **Face to face** ASME B16.10
- **Flanges** ASME B16.5  
BW ENDS TO ASME B16.25
- **Testing** API 598  
API 6D  
BS 6755
- **Rating** ASME B16.34
- **Marking** MSS-SP 25  
CE - PED
- **Certificates** EN 10204 – 3.1 B



PART NAME	WP7x	IP7x	MP7x	WCP7x	FP7x
1 Body	WCB	WC1	WC6	WC9	CF8M
2 Cover	WCB	WC1	WC6	WC9	CF8M
3 Seat (integral)		← Stellite® (1) →			
4 Disc - seat	A105 + HF (2)	F6A + HF (2)	F6A + HF (2)	F6A + HF (2)	F316 + HF (2)
5 Hinge	WCB	WC1	WC6	WC9	CF8M
6 Hinge pin	F6A	F6A	F6A	F6A	F316
7 Plug (externally)	A105	F316	F316	F316	F316
8 Washer	A105	F316	F316	F316	F316
9 Nut	2H	G4	G4	G4	G8
10 Pin	F316	F316	F316	F316	F316
11 Retaining ring	A105	F6A	F6A	F6A	F316
12 Segmental retaining ring	F6A	F6A	F6A	F6A	F316
13 Spacer ring	F6A	F6A	F6A	F6A	F316
14 Gasket		← S.S. reinforced graphite (3) →			
15 Bolt	B7	B16	B16	B16	B8

(1) On request: faced with Stellite® - MoneI® - Hastelloy® - other materials

(2) On request: faced with Stellite® - MoneI® - Hastelloy® - other materials

(3) On request: Soft iron - Stainless steel

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# SWING CHECK VALVES - PRESSURE SEAL ASME 600 - 900 - 1500 - 2500

**VALVOSIDER**  
MANUFACTURER OF VALVES

**FIG. N. P72 - SWING CHECK VALVES PRESSURE SEAL ASME CLASS 600**

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	---	---	---
L RF/BW	292	356	432	559	660	787	838	889	991	1092	1194	1397	---	---	---
L RTJ	295	359	435	562	663	790	841	892	994	1095	1200	1407	---	---	---
H	180	215	275	350	390	450	500	555	630	710	800	1000	---	---	---

**FIG. N. P73 - SWING CHECK VALVES PRESSURE SEAL ASME CLASS 900**

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	---	---	---
L RF/BW	368	381	457	610	737	838	965	1029	1130	1219	1321	1549	---	---	---
L RTJ	371	384	460	613	740	842	968	1038	1140	1232	1334	1568	---	---	---
H	245	250	310	390	510	580	620	680	740	800	850	1100	---	---	---

**FIG. N. P74 - SWING CHECK VALVES PRESSURE SEAL ASME CLASS 1500**

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	---	---	---
L RF/BW	368	470	546	705	832	991	1130	1257	1384	1537	1664	1943	---	---	---
L RTJ	371	473	549	711	842	1000	1146	1276	1407	1559	1686	1972	---	---	---
H	245	290	350	420	630	690	750	800	980	1100	1300	1550	---	---	---

**FIG. N. P75 - SWING CHECK VALVES PRESSURE SEAL ASME CLASS 2500**

SIZE	2"	3"	4"	6"	8"	10"	12"	---	---	---	---	---	---	---	---
L RF/BW	451	578	673	914	1022	1270	1422	---	---	---	---	---	---	---	---
L RTJ	454	584	683	927	1038	1292	1445	---	---	---	---	---	---	---	---
H	245	300	380	430	650	720	780	---	---	---	---	---	---	---	---

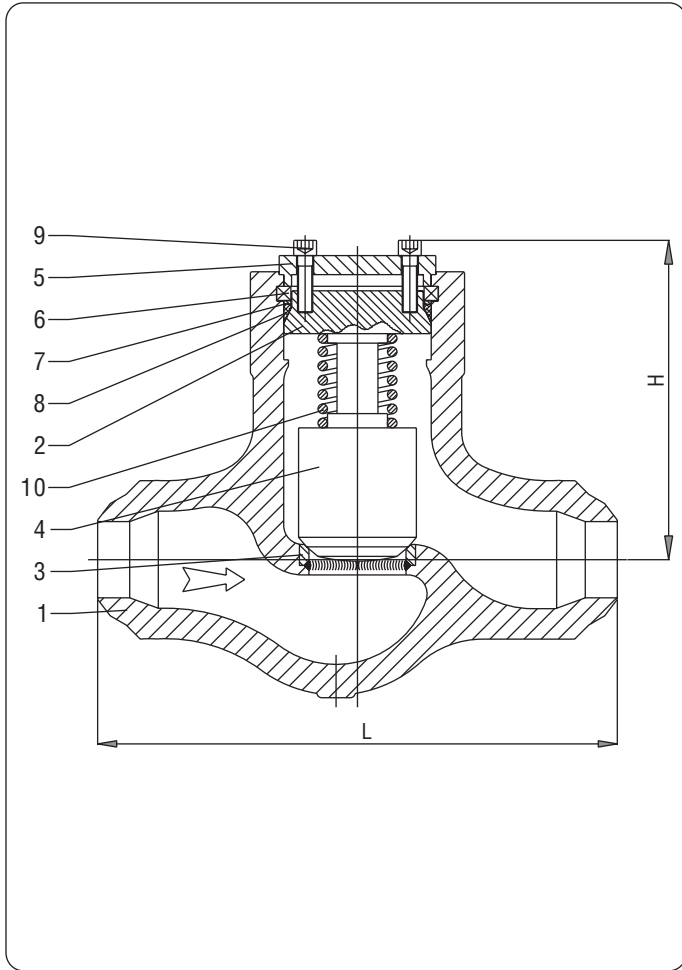
*features on request*

- DISC WITH PTFE OR RUBBER
- LEVER AND WEIGHT
- SHOCK ABSORBER
- LOCKING DEVICE
- INTEGRAL SEAT
- DRAIN PLUG
- BY PASS
- FLANGED ENDS
- RTJ FLANGES
- DIN CONNECTIONS

All dimensions in mm (except where differently indicated)

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*standard features*

- **Description** PRESSURE SEAL BONNET  
LAPPED DISC AND SEAT  
INTEGRAL SEAT
- **Design** BS 1873  
API 6D
- **Face to face** ASME B16.10
- **Flanges** ASME B16.5  
BW ENDS TO ASME B16.25
- **Testing** API 598  
API 6D  
BS 6755
- **Rating** ASME B16.34
- **Marking** MSS-SP 25  
CE - PED
- **Certificates** EN 10204 – 3.1 B

PART NAME	WP6xPC	IP6xPC	MP6xPC	WCP6xPC	FP6xPC
1 Body	WCB	WC1	WC6	WC9	CF8M
2 Cover	WCB	WC1	WC6	WC9	CF8M
3 Seat (integral)		← <i>Stellite® (1)</i> →			
4 Disc - seat	A105 + HF (2)	F6A + HF (2)	F6A + HF (2)	F6A + HF (2)	A182 F316 + HF (2)
5 Retaining ring	A105	F6A	F6A	F6A	F316
6 Segmental retaining ring	F6A	F6A	F6A	F6A	F316
7 Spacer ring	F6A	F6A	F6A	F6A	F316
8 Gasket		← <i>S.S. reinforced graphite (3)</i> →			
9 Bolt	B7	B16	B16	B16	B8
10 Spring		← <i>F316</i> →			

(1) On request: faced with Monel® - Hastelloy® - other materials  
 (2) On request: faced with Stellite® - Monel® - Hastelloy® - other materials  
 (3) On request: Soft iron - Stainless steel

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**LIFT CHECK VALVES - PRESSURE SEAL  
STRAIGHT TYPE - ASME 600 - 900 - 1500 - 2500**

**VALVOSIDER**  
MANUFACTURER OF VALVES

**FIG. N. P62PC - LIFT CHECK VALVES PRESSURE SEAL STRAIGHT TYPE - ASME CLASS 600**

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	---	---	---	---	---	---
L RF/BW	292	356	432	559	660	787	838	889	991	---	---	---	---	---	---
L RTJ	295	359	435	562	663	790	841	892	994	---	---	---	---	---	---
H	230	280	330	450	520	600	700	800	900	---	---	---	---	---	---

**FIG. N. P63PC - LIFT CHECK VALVES PRESSURE SEAL STRAIGHT TYPE - ASME CLASS 900**

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	---	---	---	---	---	---
L RF/BW	368	381	457	610	737	838	965	1029	1130	---	---	---	---	---	---
L RTJ	371	384	460	613	740	842	968	1038	1140	---	---	---	---	---	---
H	270	300	390	430	520	600	700	800	900	---	---	---	---	---	---

**FIG. N. P64PC - LIFT CHECK VALVES PRESSURE SEAL STRAIGHT TYPE - ASME CLASS 1500**

SIZE	2"	3"	4"	6"	8"	10"	12"	---	---	---	---	---	---	---	---
L RF/BW	368	470	546	705	832	991	1130	---	---	---	---	---	---	---	---
L RTJ	371	473	549	711	842	1000	1146	---	---	---	---	---	---	---	---
H	270	310	400	440	530	620	720	---	---	---	---	---	---	---	---

**FIG. N. P65PC - LIFT CHECK VALVES PRESSURE SEAL STRAIGHT TYPE - ASME CLASS 2500**

SIZE	2"	3"	4"	6"	8"	10"	12"	---	---	---	---	---	---	---	---
L RF/BW	451	578	673	914	1022	1270	1422	---	---	---	---	---	---	---	---
L RTJ	454	584	683	927	1038	1292	1445	---	---	---	---	---	---	---	---
H	270	310	400	440	530	620	720	---	---	---	---	---	---	---	---

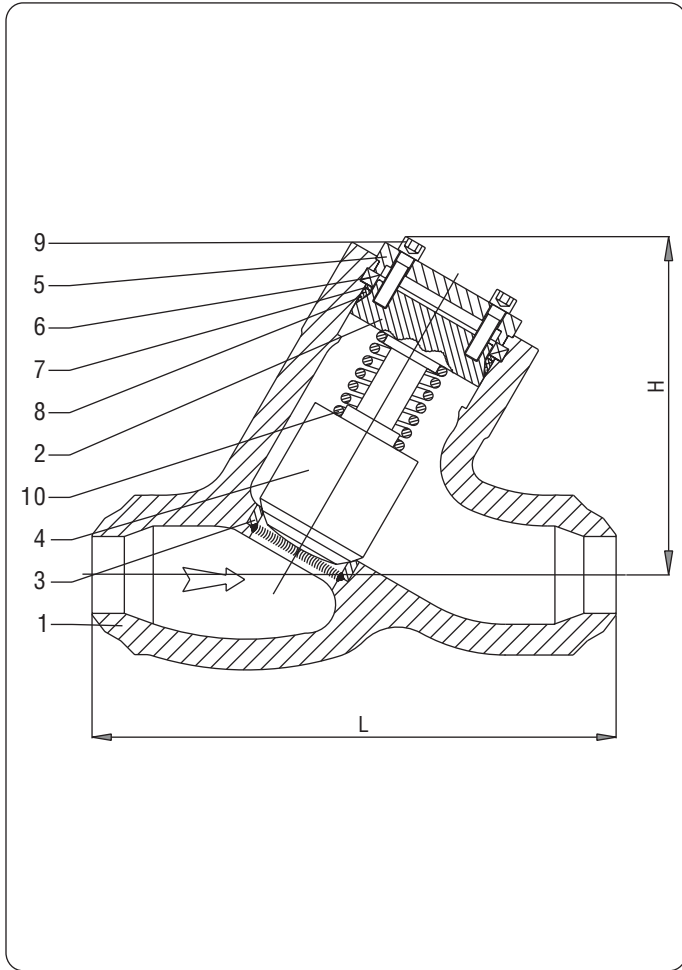
*features on request*

- |  |                                       |
|--|---------------------------------------|
| <input type="radio"/> DISC WITH PTFE OR RUBBER | <input type="radio"/> BY PASS         |
| <input type="radio"/> INTEGRAL SEAT            | <input type="radio"/> FLANGED ENDS    |
| <input type="radio"/> RENEWABLE SEAT           | <input type="radio"/> RTJ FLANGES     |
| <input type="radio"/> DRAIN PLUG               | <input type="radio"/> DIN CONNECTIONS |

All dimensions in mm (except where differently indicated)

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Phone: +39016322991 - Fax: +39016321537 - www.valvosider.com - e-mail: valvo@valvosider.com



*standard features*

- **Description** PRESSURE SEAL BONNET  
LAPPED DISC AND SEAT  
INTEGRAL SEAT
- **Design** BS 1873  
API 6D
- **Face to face** ASME B16.10
- **Flanges** ASME B16.5  
BW ENDS TO ASME B16.25
- **Testing** API 598  
API 6D  
BS 6755
- **Rating** ASME B16.34
- **Marking** MSS-SP 25  
CE - PED
- **Certificates** EN 10204 – 3.1 B

PART NAME	WP8xPC	IP8xPC	MP8xPC	WCP8xPC	FP8xPC
1 Body	WCB	WC1	WC6	WC9	CF8M
2 Cover	WCB	WC1	WC6	WC9	CF8M
3 Seat (integral)		← <i>Stellite® (1)</i> →			
4 Disc - seat	A105 + HF (2)	F6A + HF (2)	F6A + HF (2)	F6A + HF (2)	A182 F316 + HF (2)
5 Retaining ring	A105	F6A	F6A	F6A	F316
6 Segmental retaining ring	F6A	F6A	F6A	F6A	F316
7 Spacer ring	F6A	F6A	F6A	F6A	F316
8 Gasket		← <i>S.S. reinforced graphite (3)</i> →			
9 Bolt	B7	B16	B16	B16	B8
10 Spring		← <i>F316</i> →			

(1) On request: faced with Monel® - Hastelloy® - other materials  
 (2) On request: faced with Stellite® - Monel® - Hastelloy® - other materials  
 (3) On request: Soft iron - Stainless steel

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**LIFT CHECK VALVES - PRESSURE SEAL  
'Y' TYPE - ASME 600 - 900 - 1500 - 2500**

**VALVOSIDER**  
MANUFACTURER OF VALVES

**FIG. N. P82PC - LIFT CHECK VALVES PRESSURE SEAL - 'Y' TYPE - ASME CLASS 600**

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	---	---	---	---	---	---
L RF/BW	292	356	432	559	660	787	838	889	991	---	---	---	---	---	---
L RTJ	295	359	435	562	663	790	841	892	994	---	---	---	---	---	---
H	253	308	363	495	572	660	770	880	990	---	---	---	---	---	---

**FIG. N. P83PC - LIFT CHECK VALVES PRESSURE SEAL - 'Y' TYPE - ASME CLASS 900**

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	---	---	---	---	---	---
L RF/BW	368	381	457	610	737	838	965	1029	1130	---	---	---	---	---	---
L RTJ	371	384	460	613	740	842	968	1038	1140	---	---	---	---	---	---
H	297	330	429	473	572	660	770	880	990	---	---	---	---	---	---

**FIG. N. P84PC - LIFT CHECK VALVES PRESSURE SEAL - 'Y' TYPE - ASME CLASS 1500**

SIZE	2"	3"	4"	6"	8"	10"	12"	---	---	---	---	---	---	---	---
L RF/BW	368	470	546	705	832	991	1130	---	---	---	---	---	---	---	---
L RTJ	371	473	549	711	842	1000	1146	---	---	---	---	---	---	---	---
H	297	341	440	484	583	682	792	---	---	---	---	---	---	---	---

**FIG. N. P85PC - LIFT CHECK VALVES PRESSURE SEAL - 'Y' TYPE - ASME CLASS 2500**

SIZE	2"	3"	4"	6"	8"	10"	12"	---	---	---	---	---	---	---	---
L RF/BW	451	578	673	914	1022	1270	1422	---	---	---	---	---	---	---	---
L RTJ	454	584	683	927	1038	1292	1445	---	---	---	---	---	---	---	---
H	297	341	440	484	583	682	792	---	---	---	---	---	---	---	---

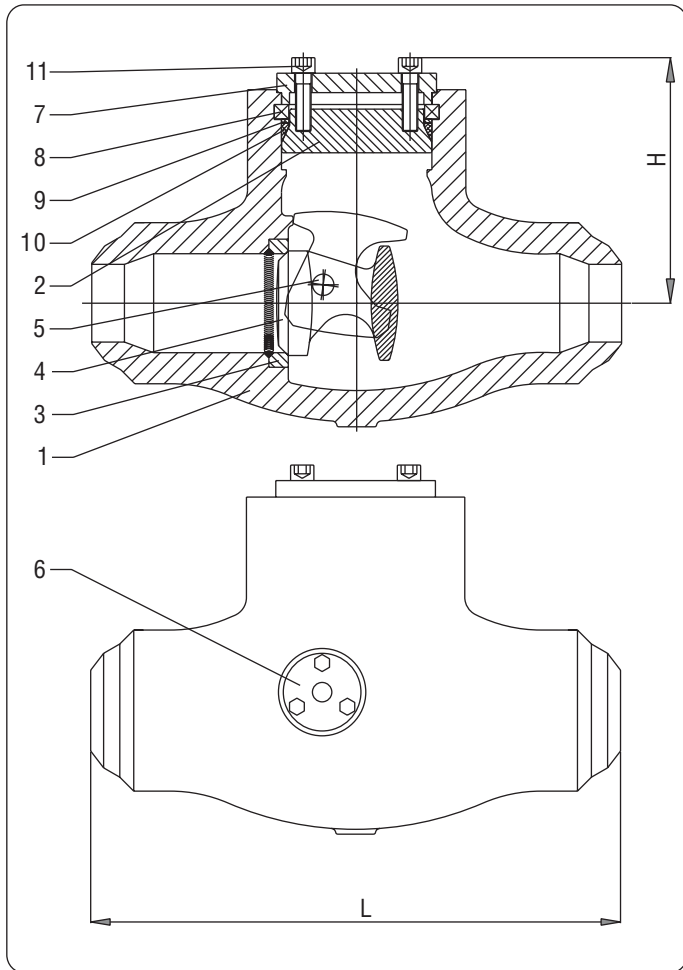
*features on request*

- |  |                                       |
|--|---------------------------------------|
| <input type="radio"/> DISC WITH PTFE OR RUBBER | <input type="radio"/> BY PASS         |
| <input type="radio"/> INTEGRAL SEAT            | <input type="radio"/> FLANGED ENDS    |
| <input type="radio"/> RENEWABLE SEAT           | <input type="radio"/> RTJ FLANGES     |
| <input type="radio"/> DRAIN PLUG               | <input type="radio"/> DIN CONNECTIONS |

All dimensions in mm (except where differently indicated)

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*standard features*

- **Description** PRESSURE SEAL BONNET  
LAPPED DISC AND SEAT  
INTEGRAL SEAT
- **Design** BS 1873  
API 6D
- **Face to face** ASME B16.10
- **Flanges** ASME B16.5  
BW ENDS TO ASME B16.25
- **Testing** API 598  
API 6D  
BS 6755
- **Rating** ASME B16.34
- **Marking** MSS-SP 25  
CE - PED
- **Certificates** EN 10204 – 3.1 B

PART NAME	WP7xT	IP7xT	MP7xT	WCP7xT	FP7xT
1 Body	WCB	WC1	WC6	WC9	CF8M
2 Cover	WCB	WC1	WC6	WC9	CF8M
3 Seat (integral)		← <i>Stellite® (1)</i> →			
4 Disc - seat	A105 + HF (2)	F6A + HF (2)	F6A + HF (2)	F6A + HF (2)	F316 + HF (2)
5 Pin	F6A	F6A	F6A	F6A	F316
6 Plug (externally)	A105	F6A	F6A	F6A	F316
7 Retaining ring	A105	F316	F316	F316	F316
8 Segmental retaining ring	F6A	F6A	F6A	F6A	F316
9 Spacer ring	F6A	F6A	F6A	F6A	F316
10 Gasket		← <i>S.S. reinforced graphite (3)</i> →			
11 Bolt	B7	B16	B16	B16	B8

(1) On request: faced with Monel® - Hastelloy® - other materials  
 (2) On request: faced with Stellite® - Monel® - Hastelloy® - other materials  
 (3) On request: Soft iron - Stainless steel

All data, subject to technical changes, are only for information and not for official use.

**TILTING DISC CHECK VALVES  
PRESSURE SEAL - ASME 600 - 900 - 1500 - 2500**

**VALVOSIDER**  
MANUFACTURER OF VALVES

**FIG. N. P72T - TILTING DISC CHECK VALVES PRESSURE SEAL ASME CLASS 600**

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	---	---	---
L RF	292	356	432	559	660	787	838	889	991	1092	1194	1397	---	---	---
L RTJ	295	359	435	562	663	790	841	892	994	1095	1200	1407	---	---	---
L BW	178	254	305	457	584	711	813	889	991	1092	1194	1397	---	---	---
H	180	215	275	350	390	450	500	555	630	710	800	1000	---	---	---

**FIG. N. P73T - TILTING DISC CHECK VALVES PRESSURE SEAL ASME CLASS 900**

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	---	---	---
L RF	368	381	457	610	737	838	965	1029	1130	1219	1321	1549	---	---	---
L RTJ	371	384	460	613	740	842	968	1038	1140	1232	1334	1568	---	---	---
L BW	216	305	356	508	660	787	914	991	1092	1143	1245	1397	---	---	---
H	245	250	310	390	510	580	620	680	740	800	850	1100	---	---	---

**FIG. N. P74T - TILTING DISC CHECK VALVES PRESSURE SEAL ASME CLASS 1500**

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	---	---	---
L RF	368	470	546	705	832	991	1130	1257	1384	1537	1664	1943	---	---	---
L RTJ	371	473	549	711	842	1000	1146	1276	1407	1559	1686	1972	---	---	---
L BW	216	305	406	559	711	864	991	1067	1194	1346	1473	1943	---	---	---
H	245	290	350	420	630	690	750	800	980	1100	1300	1550	---	---	---

**FIG. N. P75T - TILTING DISC CHECK VALVES PRESSURE SEAL ASME CLASS 2500**

SIZE	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	---	---	---
L RF	451	578	673	914	1022	1270	1422	---	---	---	---	---	---	---	---
L RTJ	454	584	683	927	1038	1292	1445	---	---	---	---	---	---	---	---
L BW	279	368	457	610	762	914	1041	---	---	---	---	---	---	---	---
H	245	300	380	430	650	720	780	---	---	---	---	---	---	---	---

*features on request*

- |  |                                       |
|--|---------------------------------------|
| <input type="radio"/> DISC WITH PTFE OR RUBBER | <input type="radio"/> DRAIN PLUG      |
| <input type="radio"/> LEVER AND WEIGHT         | <input type="radio"/> BY PASS         |
| <input type="radio"/> SHOCK ABSORBER           | <input type="radio"/> FLANGED ENDS    |
| <input type="radio"/> LOCKING DEVICE           | <input type="radio"/> RTJ FLANGES     |
| <input type="radio"/> INTEGRAL SEAT            | <input type="radio"/> DIN CONNECTIONS |

All dimensions in mm (except where differently indicated)

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