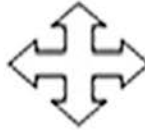


# PROTEK



**PLUS STOP VALVE**



- Circlip fixing device
- Storage of oil device
- Position indicator as standard
- Heat dissipating bonnet design
- Secondary sealing: gland packing
- Double wall bellows seal as standard

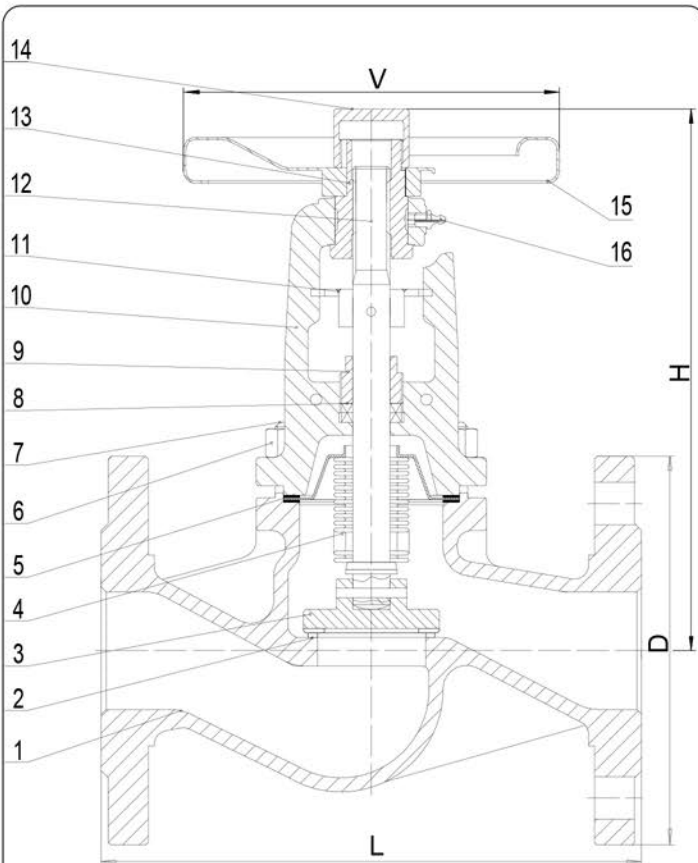
ISO 9001-2008  
CERTIFIED



**TÜV Rheinland**  
AD 2000 Merkblatt W0  
APPROVED

## standard features

- Description** BOLTED BONNET  
OUTSIDE SCREW AND YOKE  
RISING STEM  
NON RISING HANDWHEEL  
LOOSE DISC
- Design** DIN 3356
- Face to face** DIN 3202
- Flanges** DIN 2501  
DIN 2547  
DIN 2526 FORM E  
BW TO DIN 3239
- Testing** DIN 3352 Part 1  
DIN 3230 Part 3
- Rating** DIN 2401
- Marking** EN 19  
CE - PED
- Certificates** EN 10204 – 3.1 B



Maximum pressure under the disc

DN	80	100	125	150	200	250	300	350	400
$\Delta p$ bar	85	60	35	21	14	9	6	5	4

If higher, valve to be mounted with gear operator or with pressure above the disc and fitted with external or internal bypass.

PART NAME	MATERIAL	
1 Body	1.0619	1.4581
2 Seat surface	X20Cr13(1) overlay	1.4581 (1) overlay
3 Disc seat surface	X20Cr13(2) overlay	1.4581 (2) overlay
4 Bellows	SS304/SS321/SS316L	SS321/SS316L
5 Gasket	S. S. reinforced graphite(4)	S. S. reinforced graphite(4)
6 Nuts	C35	A2-70
7 Bolts	CK35	A2-70
8 Packing	Graphite rings & wiper rings (4)	Graphite rings & wiper rings
9 Gland	1.0460	X5CrNiMo17-12-2 (2)
10 Bonnet	1.0619	1.4581
11 No rot.Device	X20Cr13	S.S
12 Stem	X20Cr13(2)	X5CrNiMo17-12-2 (2)
13 Yoke Nut	GGG40.3	GGG40.3
14 Lock Nut	C.S	C.S
15 Handwheel	Steel	Steel
16 Grease Nipple	Cu-Alloy	S. S. reinforced graphite

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

(2) On request: 17 Cr - Monel® - Hastelloy® - other materials

(3) On request: GGG50

(4) On request: PTFE - other materials

ISO 9001-2008  
CERTIFIED



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

## FIG. BG22 BELLOWS SEAL STOP VALVES DIN PN16 - Face to Face F1

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
D	95	105	115	140	150	165	185	200	220	250	285	340	405	460	520	580
V	120	140	140	140	160	160	180	200	250	250	350	450	500	500	600	600
H	196	196	205	205	222	224	240	265	350	380	410	550	715	790	950	1030
STROKE	8	8	10	10	15	16	18	22	28	34	40	60	75	85	100	115

## FIG. BG23 BELLOWS SEAL STOP VALVES DIN PN25 - Face to Face F1

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF/BW	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
D	95	105	115	140	150	165	185	200	235	270	300	360	425	485	555	620
V	140	140	160	160	180	180	200	250	300	350	400	500	500	500	600	600
H	196	196	205	205	222	224	240	265	350	380	410	550	715	790	950	1030
STROKE	8	8	10	10	15	16	18	22	28	34	40	60	75	85	100	115

## FIG. BG24 BELLOWS SEAL STOP VALVES DIN PN40 - Face to Face F1

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF/BW	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
D	95	105	115	140	150	165	185	200	235	270	300	375	450	515	580	660
V	140	140	160	160	180	180	200	250	300	350	400	500	500	500	600	600
H	196	196	205	205	222	224	240	265	350	380	410	550	715	790	950	1030
STROKE	8	8	10	10	15	16	18	22	28	34	40	60	75	85	100	115

	-10/20 C	100 C	150 C	200 C	250 C	300 C	350 C	400 C	450 C	
PN 16	25	16	14	10	9.1	8.3	7			bar
PN 25	40	23.3	21.7	19.4	17.8	16.1	15	14.4	13.9	bar
PN 40	40	37.3	34.7	30.2	28.4	25.8	24	23.1	22.2	bar

### features on request

- TOP FLANGE TO ISO 5210
- GEAR OPERATOR
- CHAIN WHEEL OPERATOR
- PNEUMATIC ACTUATOR
- HYDRAULIC ACTUATOR
- ELECTRIC ACTUATOR
- POSITION INDICATOR
- LIMIT SWITCHES
- LOCKING / INTERLOCK SYSTEM
- PTFE SOFT SEATS
- STEM PROTECTION / EXTENSION
- REGULATING DISC
- DOUBLE STAGE DISC
- STOP CHECK DISC
- LIVE LOADED PACKING
- DRAIN PLUG
- BW ENDS
- ANSI CONNECTIONS

All dimensions in mm (except where differently indicated)

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

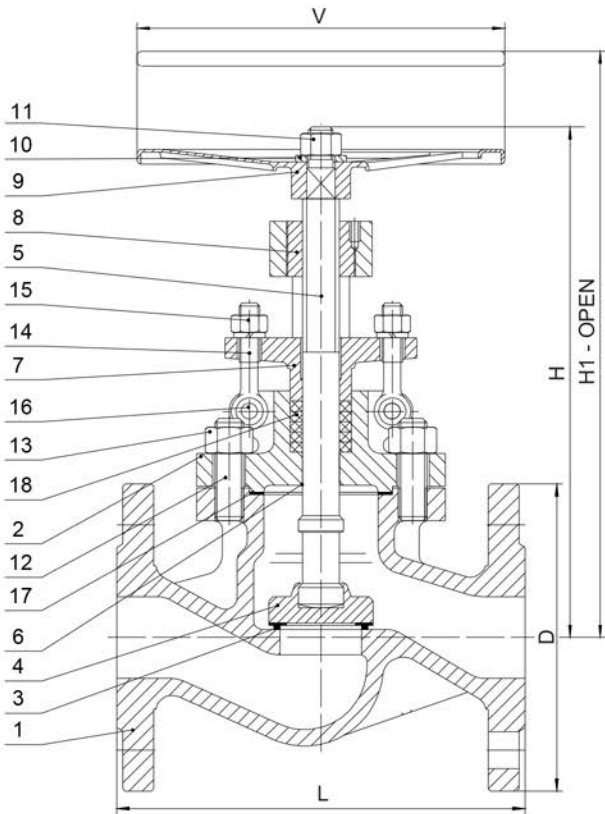
ISO 9001-2008  
CERTIFIED



**TÜV Rheinland**  
AD 2000 Merkblatt W0  
APPROVED

### standard features

- **Description**      BOLTED BONNET  
OUTSIDE SCREW AND YOKE  
RISING STEM  
RISING HANDWHEEL  
LOOSE DISC
- **Design**            DIN 3356
- **Face to face**     DIN 3202
- **Flanges**            DIN 2501  
DIN 2547  
DIN 2526 FORM E  
BW TO DIN 3239
- **Testing**            DIN 3352 Part 1  
DIN 3230 Part 3
- **Rating**             DIN 2401
- **Marking**           EN 19  
CE - PED
- **Certificates**     EN 10204 – 3.1 B



Maximum pressure under the disc

DN	80	100	125	150	200	250	300	350	400
Δ p bar	85	60	35	21	14	9	6	5	4

If higher, valve to be mounted with gear operator or with pressure above the disc and fitted with external or internal bypass.

PART NAME	MATERIAL	
1 <b>Body</b>	1.0619	1.4581
2 <b>Bonnet</b>	1.0619	1.4581
3 <b>Seat surface</b>	X20Cr13(1) overlay	X5CrNiMo17-12-2 (1)
4 <b>Disc seat surface</b>	X20Cr13 (1)	X5CrNiMo17-12-2 (1)
5 <b>Stem</b>	X20Cr13 (2)	X5CrNiMo17-12-2 (2)
6 <b>Back seat (integral)</b>	1.0619 (B)	1.4581
7 <b>Gland</b>	1.0460	X5CrNiMo17-12-2
8 <b>Yoke sleeve</b>	MS58 (3)	MS58 (3)
9 <b>Handwheel</b>	Steel	Steel
10 <b>Plate</b>	1.0460	1.0460
11 <b>Handwheel nut</b>	1.0460	X5CrNiMo17-12-2
12 <b>Bolts</b>	CK35	A2-70
13 <b>Nuts</b>	C35	A2-70
14 <b>Eye bolts</b>	CK35	A2-70
15 <b>Nuts</b>	C35	A2-70
16 <b>Eye bolt pin</b>	CK35	A2-70
17 <b>Gasket</b>	S. S. reinforced graphite (4)	S. S. reinforced graphite
18 <b>Packing</b>	Graphite rings & wiper rings (4)	Graphite rings & wiper rings (4)

- (1) On request: faced with Stellite® - Monel® - Hastelloy® - other materials
- (2) On request: 17 Cr - Monel® - Hastelloy® - other materials
- (3) On request: GGG50
- (4) On request: PTFE - other materials

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

ISO 9001-2008  
CERTIFIED



**TÜV Rheinland**  
AD 2000 Merkblatt W0  
APPROVED

### FIG.ZV-PN16 GLOBE VALVES DIN PN16 - Face to Face F1

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
D	95	105	115	140	150	165	185	200	220	250	285	340	405	460	520	580
V	140	140	160	160	180	180	200	250	300	350	400	500	500	500	600	600
H	180	190	220	225	252	263	290	330	350	420	455	550	665	800	960	1060
H1	190	202	236	241	272	287	315	360	385	465	505	630	755	910	1080	1210

### FIG.ZV-PN25 GLOBE VALVES DIN PN25 - Face to Face F1

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF/BW	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
D	95	105	115	140	150	165	185	200	235	270	300	360	425	485	555	620
V	140	140	160	160	180	180	200	250	300	350	400	500	500	500	600	600
H	180	190	220	225	252	263	290	330	350	420	455	550	665	800	960	1060
H1	190	202	236	241	272	287	315	360	385	465	505	630	755	910	1080	1210

### FIG.ZV-PN40 GLOBE VALVES DIN PN40 - Face to Face F1

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L RF/BW	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100
D	95	105	115	140	150	165	185	200	235	270	300	375	450	515	580	660
V	140	140	160	160	180	180	200	250	300	350	400	500	500	500	600	600
H	180	190	220	225	252	263	290	330	350	420	455	550	665	800	960	1060
H1	190	202	236	241	272	287	315	360	385	465	505	630	755	910	1080	1210

### FIG.ZV-PN63 GLOBE VALVES DIN PN63 - Face to Face F2

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	175	200	250	300	350	400	500	600	--
L RF/BW	210	230	230	260	260	300	340	380	430	500	550	600	650	775	900	1025	1150	1400	1600	--
D	105	130	140	155	170	180	205	215	250	295	345	375	415	470	530	600	670	800	930	--
V	150	150	150	200	200	200	225	250	300	400	500	500	600	700	700	800	800	1000	1200	--
H	250	310	310	330	350	380	410	460	490	550	610	700	750	800	930	--	--	--	--	--
H1	254	315	317	338	360	393	427	480	515	582	648	744	800	863	1005	--	--	--	--	--

### FIG.ZV-PN100 GLOBE VALVES DIN PN100 - Face to Face F2

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	175	200	250	300	--	--	--	--	--
L RF/BW	210	230	230	260	260	300	340	380	430	500	550	600	650	775	900	--	--	--	--	--
D	105	130	140	155	170	195	220	230	265	315	355	385	430	505	585	--	--	--	--	--
V	150	150	150	200	200	200	225	250	300	400	500	500	600	700	700	--	--	--	--	--
H	250	310	310	330	350	400	480	510	580	600	630	720	780	830	970	--	--	--	--	--
H1	254	315	317	338	360	413	497	530	605	632	668	764	830	893	1045	--	--	--	--	--

	10/20 C	100 C	150 C	200 C	250 C	300 C	350 C	400 C	450 C	
PN 16	25	16	14	10	9.1	8.3	7			bar
PN 25	40	23.3	21.7	19.4	17.8	16.1	15	14.4	13.9	bar
PN 40	40	37.3	34.7	30.2	28.4	25.8	24	23.1	22.2	bar

features on request

- TOP FLANGE TO ISO 5210
- GEAR OPERATOR
- CHAIN WHEEL OPERATOR
- PNEUMATIC ACTUATOR
- HYDRAULIC ACTUATOR
- ELECTRIC ACTUATOR
- POSITION INDICATOR
- LIMIT SWITCHES
- LOCKING / INTERLOCK SYSTEM
- PTFE SOFT SEATS
- STEM PROTECTION / EXTENSION
- REGULATING DISC
- DOUBLE STAGE DISC
- STOP CHECK DISC
- LIVE LOADED PACKING
- DRAIN PLUG
- BW ENDS
- ANSI CONNECTIONS

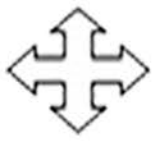
All dimensions in mm (except where differently indicated)

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

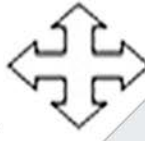
ISO 9001-2008  
CERTIFIED



TÜV Rheinland  
AD 2000 Merkblatt W0  
APPROVED



# PROTEK



## Y-STRAINER



Reinforced ring design

Europe quality screen

Drain plug design

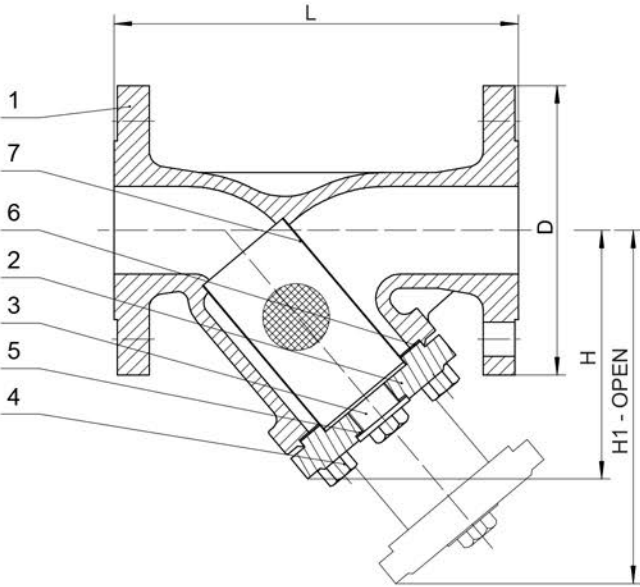
ISO 9001-2008  
CERTIFIED



**TÜV**Rheinland  
AD 2000 Merkblatt W0  
APPROVED

### standard features

- **Description** BOLTED COVER  
REPLACEABLE SCREEN
- **Design** DIN 3356  
DIN 3840
- **Face to face** DIN 3202
- **Flanges** DIN 2501  
DIN 2547  
DIN 2526 FORM E  
BW TO DIN 3239
- **Testing** DIN 3352 Part 1  
DIN 3230 Part 3
- **Rating** DIN 2401
- **Marking** EN 19  
CE - PED
- **Certificates** EN 10204 – 3.1 B



PART NAME	MATERIAL	
1 Body	1.0619	1.4581
2 Cover	1.0619	1.4581
3 Scre	1.0460	X5CrNiMo17-12-2
4 Blots	CK35	A2-70
5 Sealing piece	Cu-Alloy	Cu-Alloy
6 Gasket	S.S.reinforced graphite	S.S.reinforced graphite
7 Screen	SS304/SS316/SS316L	SS316/SS316L

Mesh standard	DN 10-50	45 Mesh
	DN 65-80	28 Mesh
	DN 100-400	15 Mesh

	-10/20 C	100 C	150 C	200 C	250 C	300 C	350 C	400 C	450 C	
PN 16	25	16	14	10	9.1	8.3	7			bar
PN 25	40	23.3	21.7	19.4	17.8	16.1	15	14.4	13.9	bar
PN 40	40	37.3	34.7	30.2	28.4	25.8	24	23.1	22.2	bar

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

ISO 9001-2008  
CERTIFIED



### FIG.YP16 Y-STRAINERS DIN PN16 Face to Face F1

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	175	200	250	300	350	400	450	500	600
L RF	130	150	160	180	200	230	290	310	350	400	480	550	600	730	850	980	1100	1200	1250	1450
D	95	105	115	140	150	165	185	200	220	250	285	315	340	405	460	520	580	640	715	840
H	70	80	85	100	110	115	130	145	165	185	205	235	250	300	360	410	460	520	570	--
H1	130	144	155	172	200	220	265	290	340	390	440	505	520	680	845	870	1000	--	--	--

### FIG.YP40 Y-STRAINERS DIN PN25/PN40 Face to Face F1

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	175	200	250	300	350	400	450	500	600
L RF/BW	130	150	160	180	200	230	290	310	350	400	480	550	600	730	850	980	1100	1200	1250	1450
D - PN25	95	105	115	140	150	165	185	200	235	270	300	330	360	425	485	555	620	670	730	845
D - PN40	95	105	115	140	150	165	185	200	235	270	300	350	375	450	515	580	660	685	755	890
H	70	80	85	100	110	125	145	160	190	220	250	295	320	385	450	510	585	610	670	--
H1	130	144	155	172	200	230	280	305	365	425	485	565	590	765	935	970	1125	--	--	--

### FIG.YP63 Y-STRAINERS DIN PN63 Face to Face F2

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	175	200	250	300	350	400	450	500	600
L RF/BW	210	230	230	260	260	300	340	380	430	500	550	600	650	775	900	1025	1150	--	1400	1600
D	105	130	140	155	170	180	205	215	250	295	345	375	415	470	530	600	670	--	800	930
H	105	120	120	135	150	160	180	200	230	280	310	340	390	430	500	--	--	--	--	--
H1	165	184	190	207	240	265	315	345	405	485	545	610	660	810	985	--	--	--	--	--

### FIG.YP100 Y-STRAINERS DIN PN100 Face to Face F2

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	175	200	250	300	350	400	450	500	600
L RF/BW	210	230	230	260	260	300	340	380	430	500	550	600	650	775	900	--	--	--	--	--
D	105	130	140	155	170	195	220	230	265	315	355	385	430	505	585	--	--	--	--	--
H	105	120	120	135	150	170	200	220	250	300	350	380	410	480	570	--	--	--	--	--
H1	165	184	190	207	240	275	335	365	425	505	585	650	680	860	1055	--	--	--	--	--

### FIG.YP160 Y-STRAINERS DIN PN160 Face to Face F2

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	175	200	250	300	350	400	450	500	600
L RF/BW	210	230	230	260	260	300	340	380	430	500	550	600	650	775	900	--	--	--	--	--
D	105	130	140	155	170	195	220	230	265	315	355	390	430	515	585	--	--	--	--	--
H	110	125	125	140	155	180	220	240	270	320	370	400	430	500	600	--	--	--	--	--
H1	170	189	195	212	245	285	355	385	445	525	605	670	700	880	1085	--	--	--	--	--

	-10/20 C	100 C	150 C	200 C	250 C	300 C	350 C	400 C	450 C	
PN 16	25	16	14	10	9.1	8.3	7			bar
PN 25	40	23.3	21.7	19.4	17.8	16.1	15	14.4	13.9	bar
PN 40	40	37.3	34.7	30.2	28.4	25.8	24	23.1	22.2	bar

*features on request*

- |  |   |
|--|---|
| <input type="checkbox"/> SCREEN IN SPECIAL MATERIALS | <input type="checkbox"/> BW ENDS          |
| <input type="checkbox"/> DISCHARGE VALVE             | <input type="checkbox"/> ANSI CONNECTIONS |
| <input type="checkbox"/> DRAIN PLUG                  |   |

All dimensions in mm (except where differently indicated)

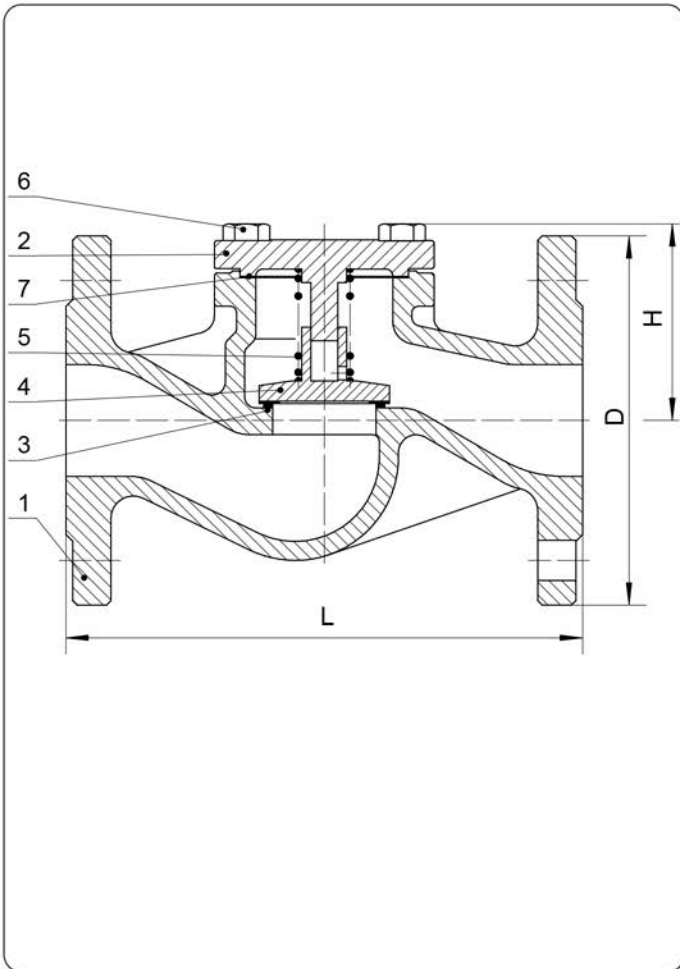
All data, subject to technical changes, are only for information and not for official use.

ISO 9001-2008  
CERTIFIED



*standard features*

- **Description**      BOLTED COVER  
RETURN SPRING
  
- **Design**            DIN 3356  
DIN 3840
  
- **Face to face**      DIN 3202
  
- **Flanges**            DIN 2501  
DIN 2547  
DIN 2526 FORM E  
BW TO DIN 3239
  
- **Testing**            DIN 3352 Part 1  
DIN 3230 Part 3
  
- **Rating**             DIN 2401
  
- **Marking**            EN 19  
CE - PED
  
- **Certificates**      EN 10204 – 3.1 B



PART NAME	MATERIAL	
1 <b>Body</b>	1.0619	1.4581
2 <b>Cover</b>	1.0619	1.4581
3 <b>Seat ring surface</b>	X20Cr13 (1)	X5CrNiMo17-12-2 (1)
4 <b>Disc seat surface</b>	X20Cr13 (2)	X5CrNiMo17-12-2 (2)
5 <b>Spring</b>	S.S	S.S
6 <b>Bolts</b>	CK35	A2-70
7 <b>Gasket</b>	SS.reinforced graphite(3)	SS.reinforced graphite(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.

ISO 9001-2008  
CERTIFIED



### FIG.0V-PN16 LIFT CHECK VALVE DIN PN16 Face to Face F1

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	175	200	250	300	350	400	450	500	600
L RF	130	150	160	180	200	230	290	310	350	400	480	550	600	730	850	980	1100	1200	1250	1450
D	95	105	115	140	150	165	185	200	220	250	285	315	340	405	460	520	580	640	715	840
H	70	80	85	100	110	115	130	145	165	185	205	235	250	300	360	410	460	520	570	--

### FIG.0V-PN40 LIFT CHECK VALVE DIN PN25 PN40 Face to Face F1

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	175	200	250	300	350	400	450	500	600
L RF/BW	130	150	160	180	200	230	290	310	350	400	480	550	600	730	850	980	1100	1200	1250	1450
D - PN25	95	105	115	140	150	165	185	200	235	270	300	330	360	425	485	555	620	670	730	845
D - PN40	95	105	115	140	150	165	185	200	235	270	300	350	375	450	515	580	660	685	755	890
H	65	75	85	100	110	125	145	160	190	220	250	295	320	385	450	510	585	610	670	--

### FIG.0V-PN63 LIFT CHECK VALVE DIN PN63 Face to Face F2

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	175	200	250	300	350	400	500	600	--
L RF/BW	210	230	230	260	260	300	340	380	430	500	550	600	650	775	900	1025	1150	1400	1600	--
D	105	130	140	155	170	180	205	215	250	295	345	375	415	470	530	600	670	800	930	--
H	105	120	120	135	150	160	180	200	230	280	310	340	390	430	500	--	--	--	--	--

### FIG.0V-PN100 LIFT CHECK VALVE DIN PN100 Face to Face F2

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	175	200	250	300	--	--	--	--	--
L RF/BW	210	230	230	260	260	300	340	380	430	500	550	600	650	775	900	--	--	--	--	--
D	105	130	140	155	170	195	220	230	265	315	355	385	430	505	585	--	--	--	--	--
H	105	120	120	135	150	170	200	220	250	300	350	380	410	480	570	--	--	--	--	--

### FIG.0V-PN160 LIFT CHECK VALVE DIN PN160 Face to Face F2

SIZE DN	15	20	25	32	40	50	65	80	100	125	150	175	200	250	300	--	--	--	--	--
L RF/BW	210	230	230	260	260	300	340	380	430	500	550	600	650	775	900	--	--	--	--	--
D	105	130	140	155	170	195	220	230	265	315	355	390	430	515	585	--	--	--	--	--
H	110	125	125	140	155	180	220	240	270	320	370	400	430	500	600	--	--	--	--	--

	-10/20 C	100 C	150 C	200 C	250 C	300 C	350 C	400 C	450 C	
PN 16	25	16	14	10	9.1	8.3	7			bar
PN 25	40	23.3	21.7	19.4	17.8	16.1	15	14.4	13.9	bar
PN 40	40	37.3	34.7	30.2	28.4	25.8	24	23.1	22.2	bar

### *features on request*

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li><input type="radio"/> DISC WITH PTFE OR RUBBER</li> <li><input type="radio"/> INTEGRAL SEAT</li> <li><input type="radio"/> BY-PASS</li> <li><input type="radio"/> DRAIN PLUG</li> </ul> | <ul style="list-style-type: none"> <li><input type="radio"/> BW ENDS</li> <li><input type="radio"/> RTJ FLANGES</li> <li><input type="radio"/> ANSI CONNECTIONS</li> </ul> |
|--|--|

All dimensions in mm (except where differently indicated)

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

ISO 9001-2008  
CERTIFIED

