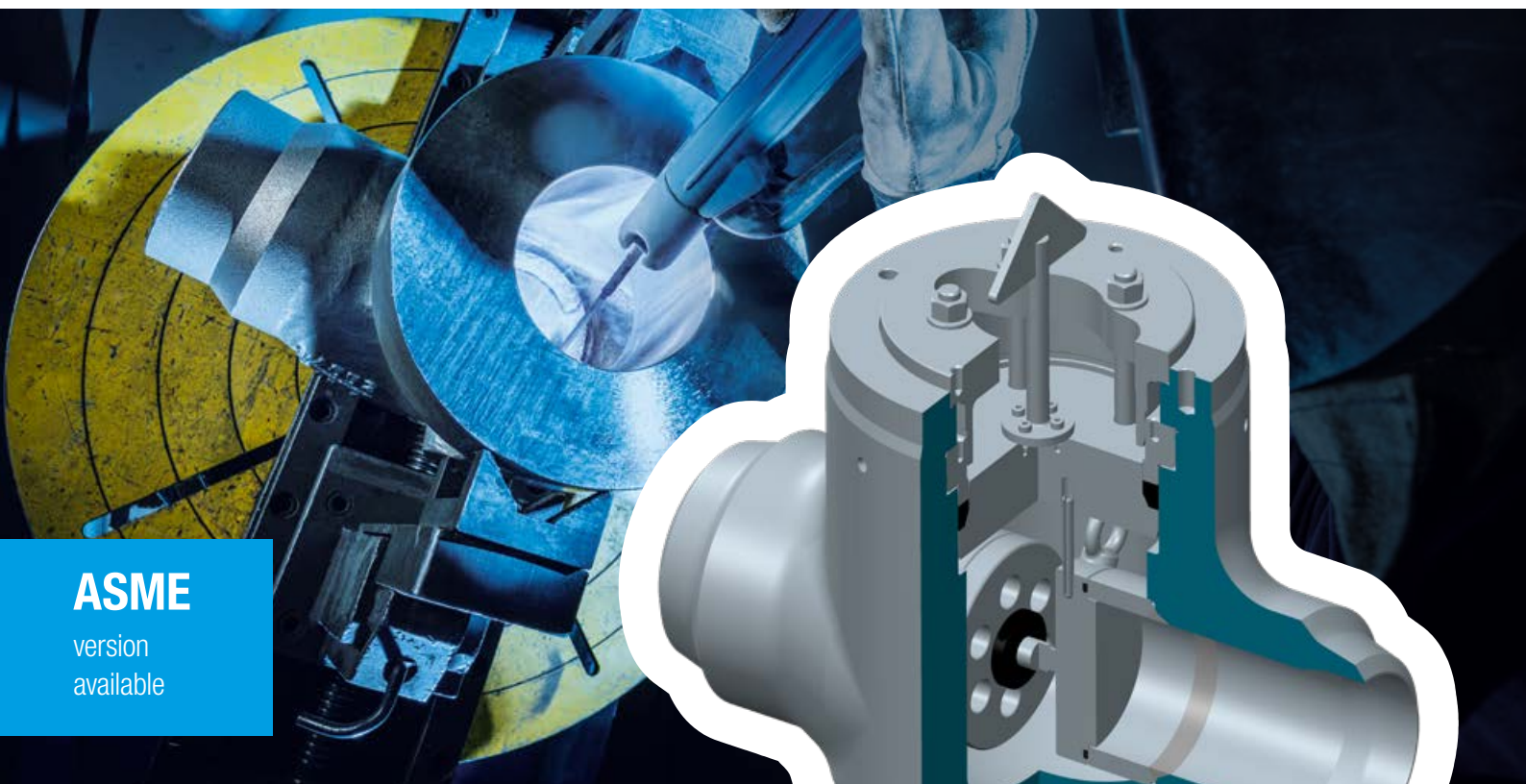



ASME

version
available

HIGH PRESSURE LINE BLIND VALVES

DPV 16-63 990 VW PD 16-63 DN 65-600

Design highlights

- Body and pressure sealing cover made of forged steel
- Position indicator
- Pressure sealing cover
- Cover can be used to dismantle the pressure sealing cover

Advantages

- Free of pores and cavities compared to cast steel
- Indicates whether the DPV is open or closed
- Increasing external impermeability as operating pressure rises
- No special tools needed to dismantle the cover

Version

- Body made of pressed plate welded steel design
- Welded seat rings
- Position indicator
- Pressure-sealing cover as per VGB guidelines

Operating data

- Operating pressure up to 680 bar
- Operating temperature up to 650 °C

Materials

- 1.0460
- 1.4901
- 1.4903
- 1.5415
- 1.6368
- 1.7335
- 1.7383

Other materials available on request.

Flow media

Depending on the choice of materials, the high pressure line blind valves can be used for water, steam, gas, oil or other non-aggressive media.

Applications

In chemical, industrial and power plants.

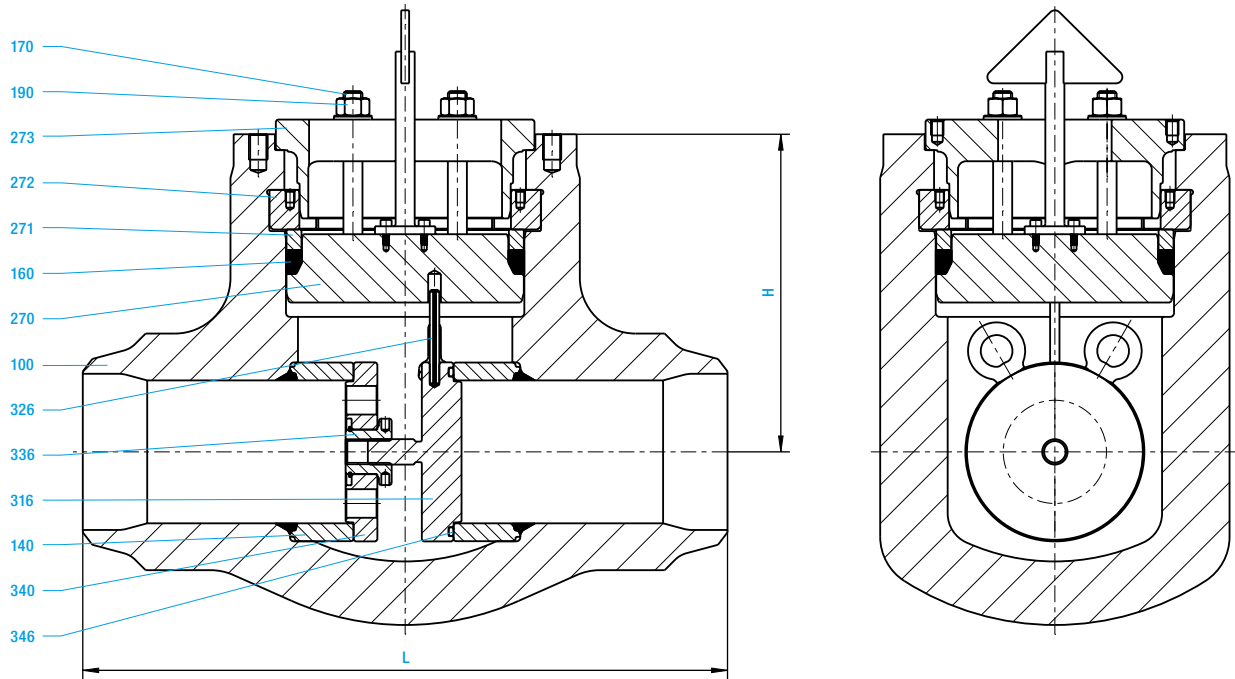
Area of application

Permissible operating pressure [bar(g)] at calculation temperature [°C] ¹⁾

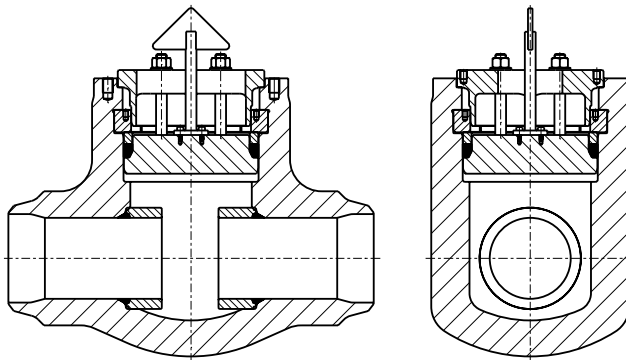
Material	PD	20	120	150	200	250	300	350	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650
1.0460	16	160	160	160	151	132	118	99	80	76	73	69	65	61	54	45	37																	
	25	250	250	250	235	206	184	155	125	119	113	107	102	96	85	71	58																	
	32	320	320	320	302	264	236	198	160	153	145	138	130	123	109	91	75																	
	40	400	400	400	377	330	295	248	200	191	182	172	163	153	136	113	93																	
1.5415	16	192	192	192	179	165	141	137	132	131	130	129	128	127	126	125	124	109	85	64	51	41												
	25	300	300	300	280	258	221	213	206	205	203	202	200	199	197	196	194	170	132	101	79	64												
	32	385	385	385	358	330	283	273	264	262	260	258	256	255	253	251	249	217	170	129	102	81												
	40	480	480	480	448	413	354	342	330	328	325	323	321	318	316	314	311	272	212	161	127	102												
1.7335	16	192	192	192	192	189	174	165	156	154	152	150	148	146	145	144	143	142	129	109	86	70	57	44	36	29								
	25	300	300	300	300	294	272	258	243	240	237	234	231	228	227	225	224	222	202	170	134	109	88	69	57	46								
	32	385	385	385	385	377	349	330	311	307	304	300	296	292	290	289	287	285	258	217	172	140	113	88	72	59								
	40	481	481	481	481	471	436	413	389	384	380	375	370	365	363	364	358	356	323	272	215	175	141	110	91	74								
1.7383	16	192	192	192	192	192	189	174	165	163	161	159	157	156	154	152	150	143	127	111	97	85	74	64	55	48	41	36	32					
	25	300	300	300	300	300	294	272	258	255	252	249	246	243	240	237	234	224	199	174	152	132	115	100	85	75	65	56	49					
	32	384	384	384	384	384	377	349	330	326	322	319	315	311	307	304	300	287	255	223	194	170	147	128	109	96	83	72	63					
	40	480	480	480	480	480	471	436	413	408	403	398	384	389	384	379	375	358	318	278	243	212	184	160	137	120	104	90	79					
1.6368	16	263	263	263	263	263	263	263	263																									
	25	410	410	410	410	410	410	410	410																									
	32	525	525	525	525	525	525	525	525																									
	40	657	657	657	657	627	657	657	657																									
1.4903	16	272	272	272	272	272	272	272	272	272	272	272	272	272	272	272	268	245	239	221	203	186	169	153	137	123	108	96	85	74	64	55	48	41
	25	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	418	383	372	344	316	290	263	238	213	191	169	150	132	115	100	85	75	65
	32	544	544	544	544	544	544	544	544	544	544	544	544	544	544	544	536	490	477	441	405	371	338	305	273	245	217	192	170	147	128	109	96	83
	40	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	669	613	596	552	507	464	422	382	342	306	271	240	212	184	160	137	120	104
1.4901	16	272	272	272	272	272	272	272	272	272	272	272	272	272	272	272	272	271	254	237	221	205	190	176	161	147	133	119	106	94	81	70	61	52
	25	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	425	423	397	370	345	320	297	275	252	230	208	186	166	147	127	110	95	82
	32	544	544	544	544	544	544	544	544	544	544	544	544	544	544	544	544	542	508	474	442	410	380	352	323	295	267	239	212	188	163	141	122	105
	40	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	677	635	592	552	512	475	440	404	369	334	298	265	235	204	176	152	131

1) Operating temperature = calculation temperature minus temperature surcharge according to the standard codes.

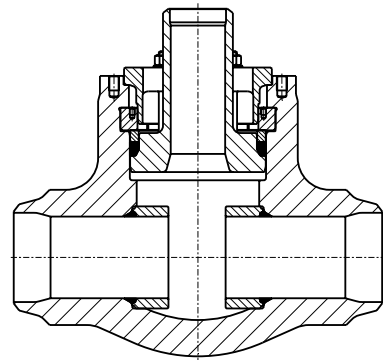
High pressure line blind valve with insert



High pressure line blind valve without insert



High pressure line blind valve with blow-out insert



Special design with blow-out insert or guide tube available on request

Materials

Item	Designation	1.0460 (21)	1.5415 (42)	1.7335 (44)	1.7383 (45)	1.6368 (46)	1.4903 (63)	1.4901 (66)
100	Body	1.0460	1.5415	1.7335	1.7383	1.6368	1.4903	1.4901
140	Seat ring	1.0460	1.5415	1.7335	1.7383	1.6368	1.4903	1.4901
	Armoured with	Stellite	Stellite	Stellite	Stellite	Stellite	Stellite	Stellite
160	Gasket	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite
170	Clamping screw	A 193 B7	A 193 B7	A 193 B7	A 193 B7	A 193 B7	A 193 B7	A 193 B7
190	Hexagonal nut	A 194 2H	A 194 2H	A 194 2H	A 194 2H	A 194 2H	A 194 2H	A 194 2H
270	Cover	1.7383	1.7383	1.7383	1.7383	1.4903	1.4903	1.4901
271	Support ring	1.7383	1.7383	1.7383	1.7383	1.4903	1.4903	1.4901
272	Segment ring	1.7383	1.7383	1.7383	1.7383	1.4903	1.4903	1.4901
273	Support cap	1.0460	1.0460	1.0460	1.0460	1.0460	1.0460	1.0460
316	Shut-off device	1.7383	1.7383	1.7383	1.7383	1.4903	1.4903	1.4901
326	Tension pin	1.4021	1.4021	1.4021	1.4021	1.4021	1.4021	1.4021
336	Yoke sleeve	CW 713 R	CW 713 R	CW 713 R	CW 713 R	CW 713 R	CW 713 R	CW 713 R
340	Goggle disc	1.7383	1.7383	1.7383	1.7383	1.7383	1.7383	1.7383
346	O-ring	Viton	Viton	Viton	Viton	Viton	Viton	Viton

Spare parts

Dimensions/mm and weights/kg

DN	DPV 16			DPV 25			DPV 32			DPV 40			DPV 63		
	L	H	kg	L	H	kg	L	H	kg	L	H	kg	L	H	kg
65							330	208	59	330	231	59	on request		
80	305	207	49	305	207	49	368	221	91	368	246	91			
100	406	231	83	406	231	83	457	250	150	457	278	150			
125	483	285	137	483	285	137	533	303	288	533	337	288			
150	559	321	265	559	321	265	609	388	445	609	431	445			
200	711	401	401	711	401	401	762	431	796	762	479	796			
250	864	477	744	864	477	744	1270	528	1542	1270	587	1542			
300	991	543	1182	991	543	1182	on request			on request					
350	on request			on request											
400															
450															
500															
600															