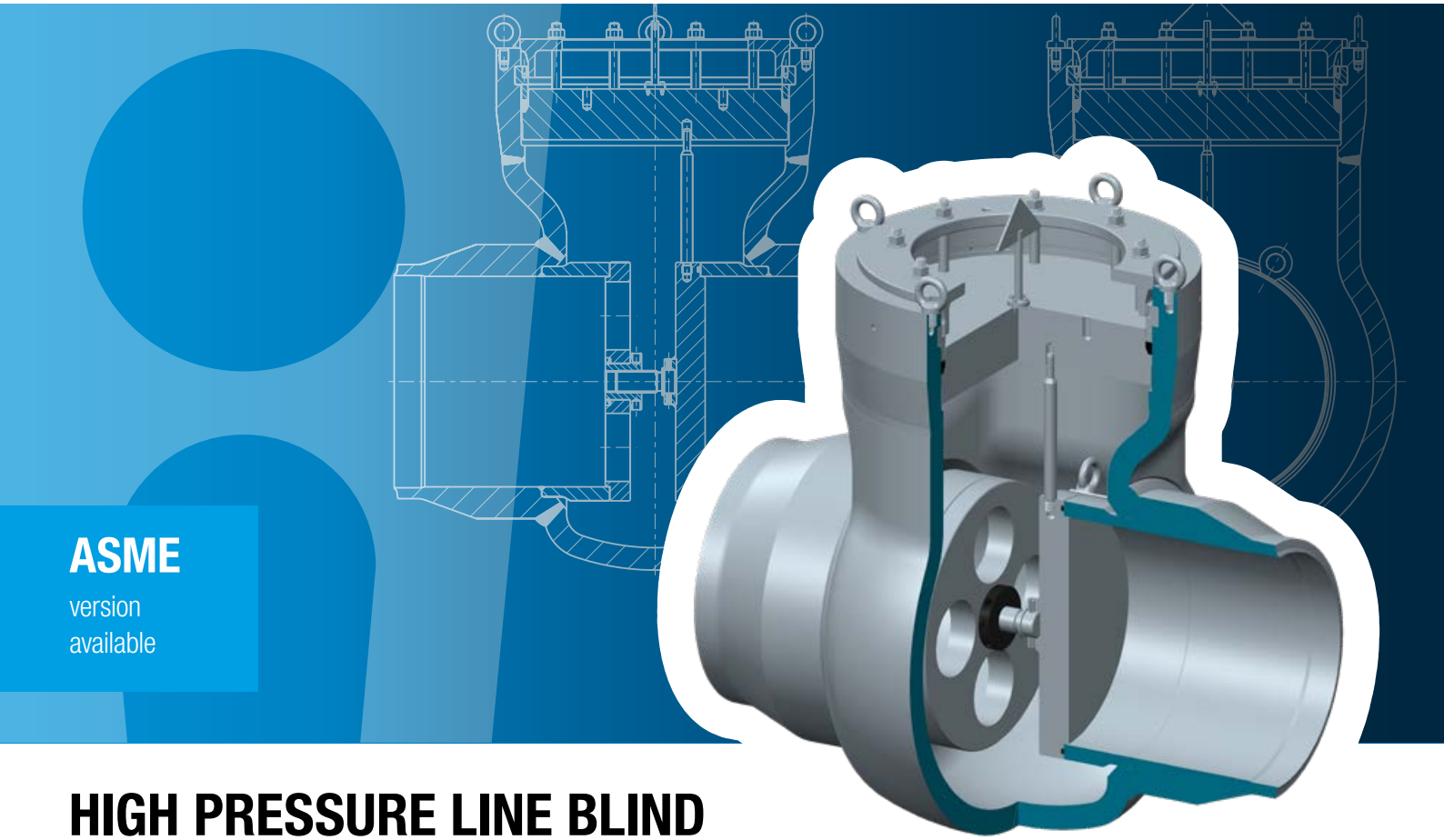


HIGH PRESSURE LINE BLIND VALVES

DPV 10 990 VW PD 10 DN 350-700

Design highlights

- Thin wall thickness
- Position indicator
- Pressure sealing cover as per VGB regulations

Advantages

- Enables high temperature gradients and cyclical loading
- Indicates whether the DPV is open or closed
- Increasing external impermeability as operating pressure rises

Subject to technical modifications

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

Operating data
- Operating pressure up to 120 bar
- Operating temperature up to 650 °C

Materials
- 1.0425
- 1.5415
- 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.

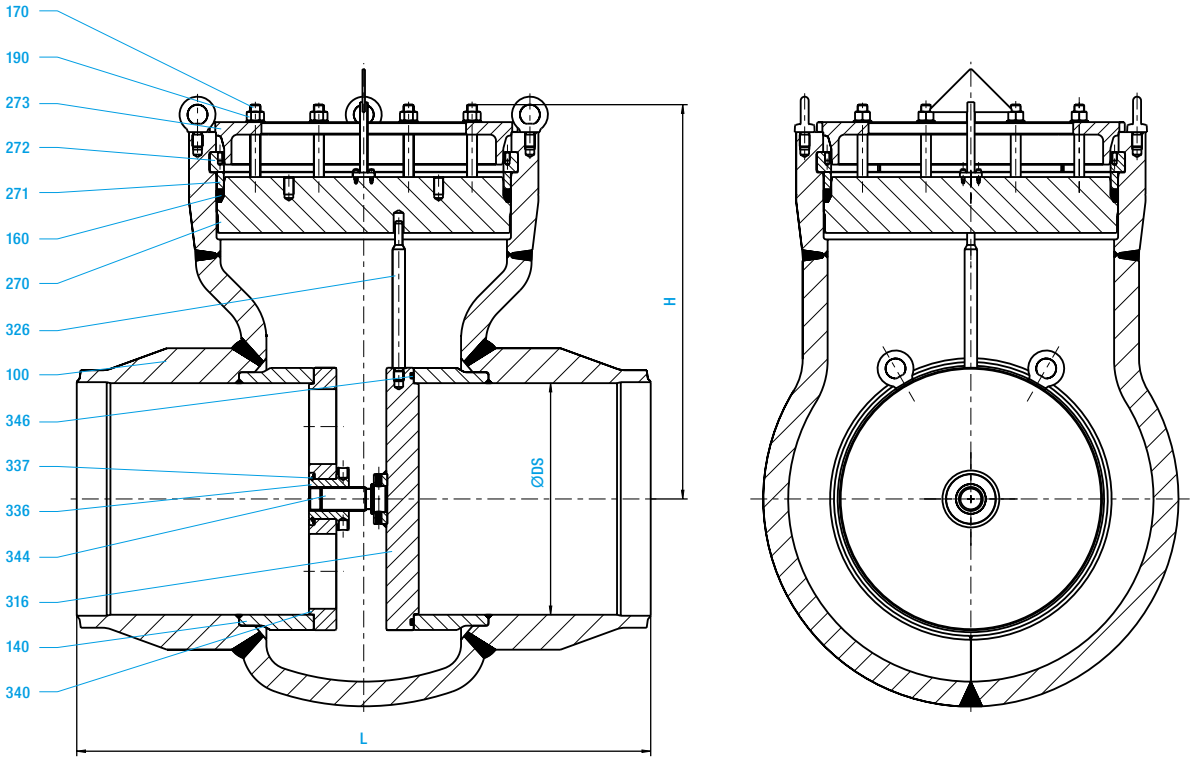
Area of application

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

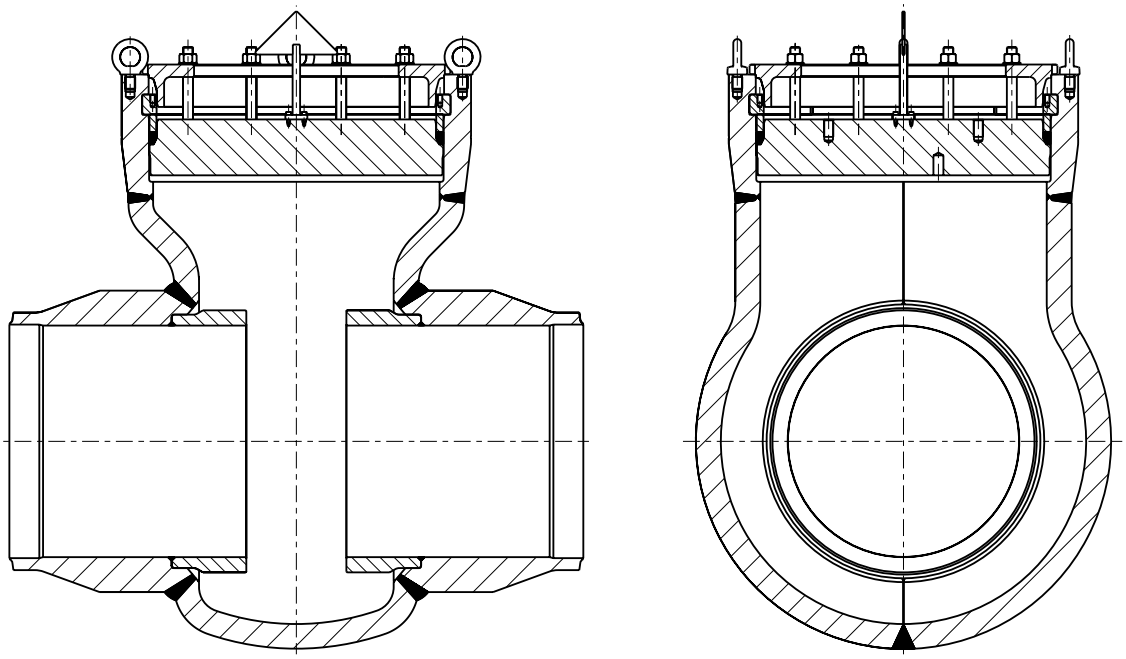
Material	PD	20	120	150	200	250	300	350	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650
1.0425	**10**	100	100	100	94	82	74	62	50	48	45	43	41	38	34	28	23																	
1.5415	**10**	120	120	120	112	103	88	85	82	82	81	81	80	79	79	78	78	68	53	40	32	25												
1.7335	**10**	120	120	120	120	118	109	103	97	96	95	94	92	91	91	90	89	89	81	68	54	44	35	28	23	18								
1.7383 [2)]	**10**	120	120	120	120	120	118	109	103	102	101	99	98	97	96	95	94	89	79	69	61	53	46	40	34	30	26	22	20					

1) Operating temperature = calculation temperature minus temperature surcharge according to the standard codes.
2) For temperatures > 570 °C, stem material 1.4980, seat armoured with Stellite, and high-temperature packing.

High pressure line blind valve with insert



High pressure line blind valve without insert



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

Materials

Item	Designation	1.0425 (22)	1.5415 (42)	1.7335 (44)	1.7383 (45)
100	Body	1.0425	1.5415	1.7335	1.7383
140	Seat ring	1.0460	1.5415	1.7335	1.7383
	Armoured with	Stellite	Stellite	Stellite	Stellite
160	*Gasket*	*Graphite*	*Graphite*	*Graphite*	*Graphite*
170	Bolt	1.7709	1.7709	1.7709	1.7709
190	Hexagonal nut	1.7218	1.7218	1.7218	1.7218
270	Cover	1.7383	1.7383	1.7383	1.7383
271	Support ring	1.7383	1.7383	1.7383	1.7383
272	Segment ring	1.7383	1.7383	1.7383	1.7383
273	Support cap	1.0460	1.0460	1.0460	1.0460
316	Shut-off device	1.7383	1.7383	1.7383	1.7383
326	Pin	1.4021	1.4021	1.4021	1.4021
336	Yoke sleeve	CW 713 R	CW 713 R	CW 713 R	CW 713 R
337	Securing ring	Spring steel	Spring steel	Spring steel	Spring steel
340	Goggle disc	1.7383	1.7383	1.7383	1.7383
344	Bolt	1.4021	1.4021	1.4021	1.4021
346	*O-ring*	*Viton*	*Viton*	*Viton*	*Viton*

Spare parts

Dimensions/mm and weights/kg

DN	ØDS	L	H	kg
350	330	850	645	710
400	375	950	690	1150
450	419	1050	710	1400
500	464	1150	861	1800
600	559	1350	945	2540
700	640	1550	1150	3750