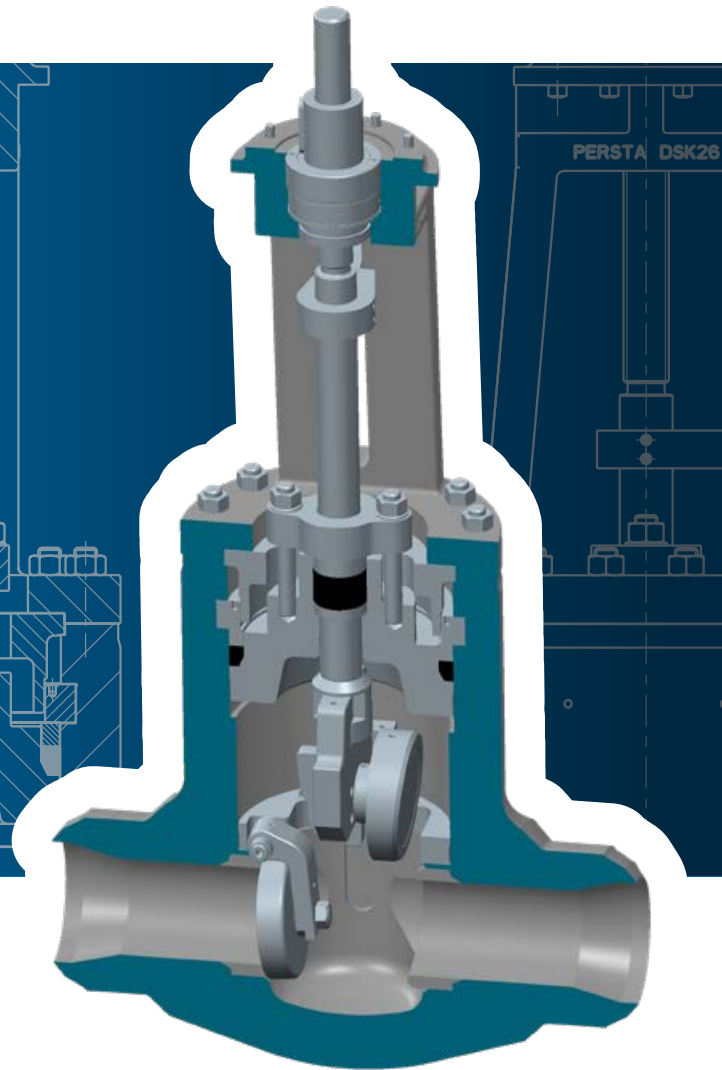


ASME

version
available

HIGH PRESSURE STOP CHECK VALVE

DRA 26 640 ST PD 25 / 40 DN 80-200



Design highlights

- Operates as swing check valve and as gate valve
- Seals in both directions
- Full straight flow passage
- Full opening angle of swing check disc
- Flexibly attached swing check disc and shut-off device
- Shut-off system guided in groove
- Shut-off system with anti-twist protection

Advantages

- Potential savings:
 - One valve
 - Only two weld seams in the pipeline
 - Installation space and weight
 - Less need for insulation
 - Less maintenance and inspection work
- Secure protection of relevant and complex system parts
- Better flow characteristics than check valves
- Minimised pressure drop
- Better mobility and adjustment of the shut-off elements to the body seat
- Prevents position deviations in the shut-off unit and protects against damage
- More effective adjustment to the body seat with the same contact points at all times

Version

- Body hollow forged
- Double-sided high pressure shut-off system
 - Functions as a swing check valve
 - Functions as a shut-off gate valve
- Internal valve shaft mounted in a separate retaining ring
- Moving shut-off system guided in groove
- Defined limit stop for the swing check disc
- Pressure sealing bonnet as per VGB guidelines
- Seats generally armoured with Stellite

Operating data

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

Materials

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

Other materials and nominal diameters available on request.

Flow media

Depending on the choice of materials, the high pressure stop check valve 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	50	100	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	25	250	250	250	250	250	235	206	184	155	125	119	113	107	102	96	85	71	58																	
1.5415	25	300	300	300	300	300	280	258	221	213	206	205	203	202	200	199	197	196	194	170	132	101	79	64												
1.7335	25	300	300	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								
1.7383 ²⁾	25	300	300	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					
1.6368	25	410	410	410	410	410	410	410	410	410	410																									
1.4903 ²⁾	25	425	425	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	64
1.4901 ²⁾	25	425	425	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

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.

Area of application

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

Material	PD	20	50	100	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	40	400	400	400	400	400	377	330	295	248	200	190	181	172	162	153	135	113	93																		
1.5415	40	480	480	480	480	480	447	412	353	341	330	327	325	322	320	318	315	313	311	271	212	161	127	101													
1.7335	40	481	481	481	481	481	481	471	436	412	388	384	379	374	370	365	363	360	358	355	322	271	215	175	141	110	90	73									
1.7383 ²⁾	40	480	480	480	480	480	480	480	471	436	412	407	403	398	393	388	384	379	374	358	318	278	242	212	183	160	136	120	103	89	79						
1.6368	40	657	657	657	657	657	657	657	657	657	657																										
1.4903 ²⁾	40	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	680	669	612	596	551	506	464	421	381	341	306	271	240	212	183	160	136	120	103	
1.4901 ²⁾	40	680	680	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.

2) For temperatures > 570 °C, stem material 1.4980, seat armoured with Stellite, and high-temperature packing.

